

EASO

European Association for the Study of Obesity

asoi

Association for the Study of
Obesity on the Island of Ireland



30th EUROPEAN CONGRESS ON OBESITY

17-20 May 2023 | The Convention Centre Dublin | Dublin, Ireland

PROGRAMME BOOK

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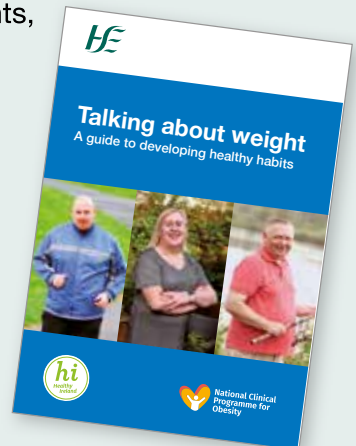


New Irish resources to help healthcare professionals talk to patients about health and weight



A number of new resources, developed by the HSE with input from clinical experts and patients, seek to support clinicians to engage in helpful conversations and interventions with patients about health and weight.

The resources include training on evidence based obesity management and a booklet for patients to support healthier lifestyles. They are in line with Clinical Practice Guidelines for the Management of Obesity in Ireland.





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ACKNOWLEDGEMENT

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Logos are placed in Alphabetical order.



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VENUE FLOOR PLAN

LEVEL 3/4/5
AUDITORIUM



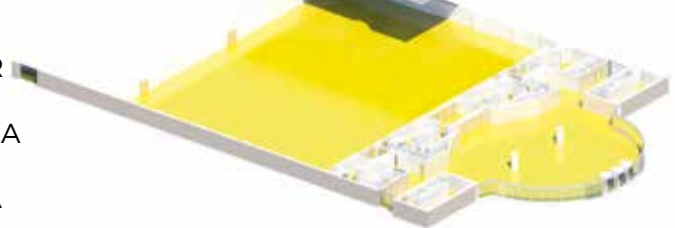
LEVEL 2
WICKLOW HALL 1



LEVEL 1
LIFFEY A
LIFFEY B
LIFFEY HALL 1
LIFFEY HALL 2
SPEAKER PREVIEW ROOM
(LIFFEY MEETING ROOM 1)



GROUND FLOOR
REGISTRATION
EXHIBITION AREA
POSTER AREA
CATERING AREA





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PROGRAMME AT A GLANCE

17 MAY 2023, WEDNESDAY

TRACK 1

TRACK 2

TRACK 3

TRACK 4

TEACHING WORKSHOPS

08:30 - 12:30

The Auditorium

EASO/ASOI Masterclass in Obesity Plenary Overview Session:

Understanding Obesity

08:30 - 09:40

Wicklow Hall 1

EASO SAB Masterclass: Immunophenotyping in obesity research masterclass

09:00 - 12:00

COFFEE BREAK

09:40 - 10:00

The Auditorium					Liffey A					Liffey B					Liffey Hall 1					Liffey Hall 2																													
EASO Public Health Task Force Workshop: Rethinking Obesity Prevention in the 21 st Century 10:00 - 12:10										EASO COTF Masterclass in Obesity in Children and Adolescents 10:00 - 12:00										EASO/ASOI Management and Intervention for Primary Care 10:00 - 12:00										EASO/ASOI Management and Intervention for Secondary Care 10:00 - 12:00										EASO Psychology, Behaviour & Mental Health Working Group 10:00 - 12:00									
LUNCH (EXHIBITION AREA) 12:00 - 12:30																																																	
TOPIC SESSIONS AND ACCEPTED SYMPOSIA 12:30 - 14:00																																																	
Topic Session T1: Clustering approaches and biomarkers in obesity										Topic Session T2: Systems Thinking to address Obesity and Public Health										Topic Session T3: Family										Abstract Session T4: Adult Medications 1										Accepted Symposium: Integrating the patients' perspective in obesity care: using patient-reported outcome measures in clinical practices, research and registries.									
ABSTRACT SESSIONS AND ACCEPTED SYMPOSIA 14:15 - 15:45																																																	
Topic Session T4: Pharmacotherapy update										Abstract Session T2: Obesity across the lifecourse 14:15 - 15:30										EASO Physical Activity, Fitness and Function Working Group										EASO/WHO Session: Reducing the impact of digital marketing of foods to children and adolescents										EASO/ESC Joint Session: Obesity and Cardiovascular diseases: Two intertwined global epidemics									
COFFEE BREAK/COMMERCIAL EXHIBITION (EXHIBITION AREA) 15:45 - 16:15																																																	
										Industry Supported Session 16:15 - 17:45																				Industry Supported Session 16:15 - 17:45																			
The Auditorium																																																	
Opening Plenary Session Obesity and inequality: where are we and how should we proceed? 17:45 - 18:30																																																	
The Auditorium																																																	
ECO2023 OPENING CEREMONY 18:30 - 19:00																																																	
Exhibition Area																																																	
ECO2023 WELCOME RECEPTION 19:00 - 21:00																																																	



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PROGRAMME AT A GLANCE

18 MAY 2023, THURSDAY

TRACK 1

TRACK 2

TRACK 3

TRACK 4

PLENARY LECTURE 08:30 - 09:15				
The Auditorium	Liffey A	Liffey B	Liffey Hall 1	Liffey Hall 2
Plenary Lecture T1: Immunometabolism				
TOPIC SESSIONS AND ACCEPTED SYMPOSIA 09:30 - 11:00				
The Auditorium	Liffey A	Liffey B	Liffey Hall 1	Liffey Hall 2
Topic Session T1: Mitochondrial Dysfunction	Topic Session T2: Addressing the public health challenge of an insecure global environment	Topic Session T3: Play and Activity	Topic Session T4: The role and importance of multidisciplinary treatment in the era of effective pharmacology	EASO/KSSO Joint Session: Digital Therapeutics and Big Data
COFFEE BREAK/COMMERCIAL EXHIBITION (EXHIBITION AREA) 11:00 - 11:30				
ABSTRACT SESSIONS AND ACCEPTED SYMPOSIA 11:30 - 13:00				
The Auditorium	Liffey A	Liffey B	Liffey Hall 1	Liffey Hall 2
Abstract Session T1: Adipose Tissue	Abstract Session T2: Public Health Policy	Abstract Session T4: Adult Medications 2	EASO Paediatric COMs	EASO-Novo Nordisk Foundation New Investigator Awards Session
LUNCH (EXHIBITION AREA) 13:00 - 14:00				
The Auditorium	Liffey A	Liffey Hall 1	Liffey Hall 2	Exhibition Area
			WHO/WHO EURO session: Launch of the WHO health service delivery framework for prevention and management of obesity 13:15 - 14:45	Posters Viewing 13:15 - 14:45
The Auditorium	Liffey A	Liffey B	Liffey Hall 1	Liffey Hall 2
EASO-Novo Nordisk Foundation Obesity Prize for Excellence 15:00 - 15:45				
COFFEE BREAK/COMMERCIAL EXHIBITION (EXHIBITION AREA) 15:45 - 16:15				
ABSTRACT SESSIONS AND POSTER PITCH SESSIONS 16:15 - 17:45				
The Auditorium	Liffey A	Liffey B	Liffey Hall 1	Liffey Hall 2
Abstract Session T3: Treatment and Management	Abstract Session T2: Obesity Risk	Abstract Session T4: Medical Nutrition Therapy: EASO and EFAD	EASO/ESE Joint Session: Endocrine Disruptors	EASO Early Career Network Best Thesis Award
Exhibition Area				
Track Specific Posters Networking Reception: Track 1 and Track 3 17:45 - 18:30				



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PROGRAMME AT A GLANCE

19 MAY 2023, FRIDAY

TRACK 1

TRACK 2

TRACK 3

TRACK 4

PLENARY LECTURE				
08:30 - 09:15				
The Auditorium	Liffey A	Liffey B	Liffey Hall 1	Liffey Hall 2
Plenary Lecture T2: Obesity and Sustainability 08:30 - 09:15				
TOPIC SESSIONS AND ACCEPTED SYMPOSIA				
09:30 - 11:00				
The Auditorium	Liffey A	Liffey B	Liffey Hall 1	Liffey Hall 2
Topic Session T1: Inflammation	Topic Session T2: Commercial Determinants of Health	Topic Session T3: Treatment in Childhood and Adolescence	Topic Session T4: Mental Health and Obesity	Late Breaking Abstracts: New pharmacological approaches to the management of obesity
COFFEE BREAK/COMMERCIAL EXHIBITION (EXHIBITION AREA)				
11:00 - 11:30				
ABSTRACT SESSIONS AND ACCEPTED SYMPOSIA				
11:30 - 13:00				
The Auditorium	Liffey A	Liffey B	Liffey Hall 1	Liffey Hall 2
EASO Adult COMs	Abstract Session T3: Growth & Development	Accepted Symposium: Thermoregulation in Obesity Susceptibility and Obesity Management: Emerging Concepts, Issues and Opportunities	Abstract Session T2: Environmental determinants of obesity	EASO/ESPEN Joint Session: Malnutrition in Obesity: Medical & Social aspects
LUNCH (EXHIBITION AREA)				
13:00 - 14:00				
Liffey A	Liffey B	Liffey Hall 1	Liffey Hall 2	Exhibition Area
EASO / IFSO-EC Session: Anti-Obesity Drugs and/or Bariatric Metabolic Surgery 13:30 - 15:00	EASO/OC Joint Workshop 13:00 - 15:00	Industry Supported Session 13:15 - 14:45		Posters Viewing 13:15 - 14:45
The Auditorium	Liffey A	Liffey B	Liffey Hall 1	Liffey Hall 2
Plenary Lecture T1: Clustering of obesity phenotypes - learnings from diabetes 15:00 - 15:45	Plenary Lecture T3: Adolescent Health and Obesity 15:00 - 15:45			
COFFEE BREAK/COMMERCIAL EXHIBITION (EXHIBITION AREA)				
15:45 - 16:15				
ABSTRACT SESSIONS AND ACCEPTED SYMPOSIA				
16:15 - 17:45				
The Auditorium	Liffey A	Liffey B	Liffey Hall 1	Liffey Hall 2
Accepted Symposium: Challenges and possibilities in economic analysis when investigating long-term consequences of obesity	The Use of Evidence-Based Dietary Interventions for the Management of Obesity	EASO/WHO Session: Ongoing work to prevent and manage childhood obesity in the WHO European Region	EASO ACTION Update Session	Food marketing and young people: Monitoring methodologies, challenges and novel perspectives. A joint session from the EASO Childhood Obesity and Public Health Taskforces.
Exhibition Area				
Track Specific Posters Networking Reception: Track 2 and Track 4				
17:45 - 18:30				



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PROGRAMME AT A GLANCE

20 MAY 2023, SATURDAY

TRACK 1

TRACK 2

TRACK 3

TRACK 4

PLENARY LECTURE

08:30 - 09:15

Liffey A

Liffey B

Liffey Hall 1

Liffey Hall 2

Plenary Session T4:
The future of obesity management: accessing and delivering chronic care for obesity

TOPIC SESSIONS, ABSTRACT SESSIONS AND ACCEPTED SYMPOSIA

09:30 - 11:00

Liffey A

Liffey B

Liffey Hall 1

Liffey Hall 2

Topic Session T2:
Digital Media, Mental Health and Stigma

Abstract Session T4:
Bariatric Surgery

Topic Session T1:
Neurobiology - the basic science of food intake behaviour during obesity treatment

Accepted Symposium: How is obesity in children and adolescents treated in the real-world?: case-based examples from five health systems

COFFEE BREAK/COMMERCIAL EXHIBITION (EXHIBITION AREA)

11:00 - 11:30

TOPIC SESSIONS, ABSTRACT SESSIONS AND ACCEPTED SYMPOSIA

11:30 - 13:00

Liffey A

Liffey B

Liffey Hall 1

Liffey Hall 2

Topic Session T4:
Obesity and Cancer Treatment and Outcomes

Abstract Session T1:
Immunometabolism/Inflammation

Topic Session T3:
Socioeconomic Position

Liffey Hall 1

CLOSING PLENARY SESSION:

13:00 - 13:45

Liffey Hall 1

Closing Ceremony and Abstract Award Presentation

13:45 - 14:15

CLOSE



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17 MAY 2023, WEDNESDAY

TRACK 1

TRACK 2

TRACK 3

TRACK 4

08:30-12:30

TEACHING WORKSHOPS (RCPI CPD approval confirmed)

08:30-09:40

EASO/ASOI Masterclass in Obesity Plenary Overview Session: Understanding Obesity

THE AUDITORIUM

Chairs: Cathy Breen (Ireland), Donal O'Shea (Ireland)

08:30-08:35

Welcome & Intro

C Breen (Ireland)

08:35-08:45

Chronic disease, 'breaking good news'

L Kaplan (US)

08:45-08:50

Patient experience of diagnosis/obesity as a disease

S Birney (Ireland)

08:50-09:00

Obesity Prevention and Treatment strategies - are we speaking the same language?: Health promotion

X Ramos-Salas (Sweden)

09:00-09:20

Obesity Prevention and Treatment strategies - are we speaking the same language?: Primary and Secondary prevention

M Bryant (UK)

09:20-09:30

Obesity Prevention and Treatment strategies - are we speaking the same language?: Treatment

L Busetto (Italy)

09:30-09:40

Q&A, Summary

D O'Shea (Ireland)

09:00-12:00

EASO SAB Masterclass: Immunophenotyping in obesity research masterclass

WICKLOW HALL 1

Chairs: Gijs Goossens (Netherlands), Fiona McGillicuddy (Ireland)

09:00-09:20

Inflammation in adipose tissue - overview of the immune-cell-adipose axis

F Sheedy (Ireland)

09:20-09:40

Immunometabolism and metabolic flexibility

A Hogan (Ireland)

09:40-10:00

HDL particles in health and disease - novel immunometabolic markers

F McGillicuddy (Ireland)

10:00-10:30

Break and networking

10:30-10:50

How to immunophenotype in large-scale human studies - role for TruCulture

J Sugrue (France)

10:50-11:10

Inflammatory and immune cell profiling in human adipose tissue

J Lysaght (Ireland)

11:10-11:30

Single cell multiomic analysis of iPSC derived kidney organoids reveals the complexity of TGF β signalling to chromatin

J Crean (Ireland)

11:30-12:00

Round-table discussion: 'Challenges and solutions with working adipose and its associated immune cell populations'

*J Lysaght (Ireland)
F McGillicuddy (Ireland)*

09:40-10:00

COFFEE BREAK/COMMERCIAL EXHIBITION

LEVEL 1 FOYER



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17 MAY 2023, WEDNESDAY

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TRACK 4

10:00-12:10	EASO Public Health Task Force Workshop: Rethinking Obesity Prevention in the 21st Century	THE AUDITORIUM
	Chairs: Euan Woodward (UK), Ximena Ramos-Salas (Sweden)	
10:00-10:10	Welcome and Introduction	<i>E Woodward (UK)</i>
10:10-10:25	Is it a Risk Factor or a Disease (and Does It Matter?) Capturing Perspectives on Health Promotion and Obesity Prevention	<i>X Ramos Salas (Sweden)</i>
10:25-10:30	Audience Interactive Polling	
10:30-10:50	Rebalancing Our Concept of Obesity: Changing the Fundamental Drivers of Weight and Health	<i>H Rutter (UK)</i>
10:50-10:55	Audience Interactive Polling	
10:55-11:10	Are We There Yet? Evidence and Context to Inform Obesity Prevention Strategies	<i>J Baker (Denmark)</i>
11:10-11:15	Audience Interactive Polling	
11:15-11:30	Obesity Prevention on the Ground in Ireland: Where Do We Go From Here?	<i>S O'Brien (Ireland)</i>
11:30-11:35	Audience Interactive Polling	
11:35-12:05	Audience Q&A with Speakers	<i>J Baker (Denmark) S O'Brien (Ireland) X Ramos Salas (Sweden) H Rutter (UK) E Woodward (UK)</i>
12:05-12:10	Closing remarks and adjourn	<i>E Woodward (UK)</i>
10:00-12:00	EASO COTF Masterclass: Obesity in Children and Adolescents	ROOM: LIFFEY A
	Chairs: Grace O'Malley (Ireland), Louise Baur (Australia)	
10:00-10:20	Pathway of care	<i>E van Mil (Netherlands)</i>
10:20-10:40	Maximising treatment, minimising risk	<i>H Jebeile (Australia)</i>
10:40-11:00	Clinical support for children with obesity: an Icelandic perspective	<i>T Helgason (Iceland)</i>
11:00-11:20	Rare genetics - when to test	<i>J C Holm (Denmark)</i>
11:20-11:40	Adolescent complications	<i>J C Holm (Denmark)</i>
11:40-12:00	Discussion	



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17 MAY 2023, WEDNESDAY

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10:00-12:00	EASO/ASOI Management and Intervention for Primary Care	ROOM: LIFFEY B
	Chairs: Mary Jordan (Ireland), Dror Dicker (Israel)	
10:00-10:30	Obesity Medication - prescribing in primary care	<i>S de Giorgio (UK)</i>
10:30-10:45	Model of Care for Obesity: referral pathways and resources - what is available, what is to come?	<i>K Gaynor (Ireland)</i>
10:45-11:00	Best Health Programme in the community - Update and Feedback	<i>S Seery (Ireland)</i>
11:00-11:30	Bariatric Surgery - what do we need to know in primary care	<i>H Heneghan (Ireland)</i>
11:30-12:00	Reducing weight bias in primary care - approaching the conversation, practical solutions	<i>M Crotty (Ireland), B Ingólfssdóttir (Iceland)</i>
10:00-12:00	EASO/ASOI Management and Intervention for Secondary Care	ROOM: LIFFEY HALL 1
	Chairs: Jean O'Connell (Ireland), Maria Hassapidou (Greece)	
10:00-10:30	Obesities, not Obesity	<i>L Kaplan (US)</i>
10:30-10:45	Adaptation of the nutrition care process to obesity care	<i>S Browne (Ireland)</i>
10:45-11:00	Optimising function and participation in complex obesity	<i>E O'Malley (Ireland)</i>
11:00-11:20	Overcoming internalised weight bias - what can we do?	<i>C O'Grada (Ireland), V Mooney (Ireland/Spain)</i>
11:20-11:40	Pharmacotherapy in multidisciplinary care	<i>K Neff (Ireland)</i>
11:40-12:00	Bariatric surgery - what it is and what it isn't	<i>R Batterham (UK)</i>



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TRACK 1	TRACK 2	TRACK 3	TRACK 4
10:00-12:00	EASO Psychology, Behaviour & Mental Health Working Group Can we align the stars: bringing together eating disorders and weight management services to support people living with obesity and emotional and or disordered eating		ROOM: LIFFEY HALL 2
	Chairs: Jason Halford (UK), Amy Ahern (UK)		
10:00-10:10	An introduction to the importance of this area and the new EASO Psychology, Behaviour & Mental Health Working Group	<i>A Ahern (UK), J Halford (UK)</i>	
10:10-10:30	Panel session: Lived experience perspective Understanding the impact of emotional and disordered eating in people living with obesity	<i>K Clare (UK), S Birney (Ireland), J Marwood (UK)</i>	
10:30-10:45	Learning from research: The role of emotional, disordered and addictive eating in adults living with obesity - improving the social narrative	<i>T Burrows (Australia)</i>	
10:45-11:00	Research insights on weight stigma and psychological implications of living with obesity from the UK and Ireland	<i>L McGowan (UK)</i>	
11:00-11:30	Learning from practice: Understanding the needs of children and young people living with emotional and disordered eating and obesity - improving the medical narrative	<i>D Nicholls (UK)</i>	
11:30-12:00	Learning from practice: Delivering person centred care in practice: the role of trauma informed support approaches	<i>E Murphy (Ireland)</i>	
12:00-12:30	LUNCH	EXHIBITION AREA	
12:30-14:00	TOPIC SESSIONS AND ACCEPTED SYMPOSIA		
12:30-14:00	T1 - Clustering approaches and biomarkers in obesity		THE AUDITORIUM
	Chair: Alexander Miras (UK)		
12:30-13:00	TS01.01 Clustering of phenotypes - towards personalised interventions	<i>E Blaak (Netherlands)</i>	
13:00-13:30	TS01.02 Gut proteins as a novel biomarker of obesity complications	<i>G Mingrone (Italy)</i>	
13:30-13:45	TS01.03 Baseline gene expression in subcutaneous adipose tissue predicts diet-induced weight loss in individuals with obesity	<i>BW Van Der Kolk (Finland)</i>	
13:45-14:00	TS01.04 Phenotype Tailored Lifestyle Intervention on Weight Loss and Cardiometabolic Risk Factors in Adults with Obesity: Results from a 12-week Clinical Trial	<i>A Acosta (US)</i>	



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12:30-14:00		T2 - Systems thinking to address Obesity and Public Health		ROOM: LIFFEY A
		Chairs: Harry Rutter (UK), Emma Boyland (UK)		
12:30-13:00	TS02.01	Driving whole systems thinking to tackle obesity		<i>J Nobles (UK)</i>
13:00-13:30	TS02.02	Using AI to explore how the environment and health interact		<i>J Lakerveld (Netherlands)</i>
13:30-14:00	TS02.03	Environmental determinants of physical activity and obesity: Latest evidence and effective actions		<i>JM Oppert (France)</i>
12:30-14:00		T3 - Family		ROOM: LIFFEY B
		Chairs: Pétur Julisson (Norway), Batya Kornboim (Israel)		
12:30-13:00	TS03.01	Communication for parents/Family blame/judgement		<i>F Gillison (UK)</i>
13:00-13:30	TS03.02	Family meals		<i>J Fulkerson (US)</i>
13:30-14:00	TS03.03	Family dynamics and communication		<i>P Nowicka (Sweden)</i>
12:30-14:00		T4 - Adult Medications 1		ROOM: LIFFEY HALL 1
		Chairs: Jose Nunes Silva (Portugal), Francis Finucane (Ireland)		
12:30-12:45	AD01.01	Swallowable intragastric balloon program and GLP1 agonist combined treatment for obesity: an international multicenter study		<i>R Ienca (Italy)</i>
12:45-13:00	AD01.02	Efficient Remote Management of Obesity Pharmacotherapy with an AI-Powered Digital Platform		<i>N Minsky (Israel)</i>
13:00-13:15	AD01.03	A Machine-Learning Driven Model and a Polygenic Risk Score Based on Key Components of Appetite Regulation Predict Weight-Loss Response to Liraglutide		<i>A Acosta (US)</i>
13:15-13:30	AD01.04	The Effect of Treatment with a Glucagon-like-peptide-1 Analogue on Metabolic Activity in Adipose Tissue: data from a proof-of-concept PET-CT study		<i>C O'Donnell (Ireland)</i>
13:30-13:45	AD01.05	Weight outcomes with setmelanotide over 3 years in patients with POMC or LEPR deficiency obesity		<i>K Clément (France)</i>
13:45-14:00	AD01.06	A Phase I Study of Single Rising Doses of BI 1820237, a Novel NPY2 Receptor Agonist, Alone or in Combination with Low-dose Liraglutide in Healthy Men with Overweight/Obesity		<i>B Kalsch (Germany)</i>



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12:30-14:00	Accepted Symposium: Integrating the patients' perspective in obesity care: using patient-reported outcome measures in clinical practices, research and registries.		ROOM: LIFFEY HALL 2
	Chair: Ronald Liem (Netherlands)		
12:30-12:35		Opening, evaluation use of PROMs/main questions, introduction speakers.	<i>R Liem (Netherlands)</i>
12:35-12:42	AS1.01	How do you select the right PROM?	<i>C de Vries (Netherlands)</i>
12:42-12:47		Why is using PROM important for PLWO.	<i>T Kyle (US)</i>
12:47-12:52	AS1.02	Overview standard set research.	<i>P Dijkhorst (Netherlands)</i>
12:52-13:07	AS1.03	Panel discussion: Use of PROMs in research	<i>S Flint (UK), X Ramos Salas (Canada), A Saadi (Switzerland), S de Blaeij (Netherlands)</i>
13:07-13:12	AS1.04	Overview standard set clinic practise	<i>P Dijkhorst (Netherlands)</i>
13:12-13:17		Why is using PROM important for PLWO.	<i>M Bahlke (Germany)</i>
13:17-13:32	AS1.05	Panel discussion: Use of PROMs in clinical practice	<i>S Abbott (UK), B Halpern (Brazil), B R Ruanova (Mexico), N Wijling (Netherlands)</i>
13:32-13:37		Why is using PROM important for PLWO?	<i>S Birney (Ireland)</i>
13:37-13:50	AS1.06	Panel discussion: Use of PROMs in registries	<i>J Halford (UK), J Ottosson (Sweden), N Isack (UK), A Budin (Australia)</i>
13:50-14:00		Summary and closing discussion	<i>C de Vries (Netherlands)</i>
14:15-15:45	ABSTRACT SESSIONS AND ACCEPTED SYMPOSIA		
14:15-15:45	T4 - Pharmacotherapy update		THE AUDITORIUM
	Chairs: Lubomira Fabryova (Slovakia), Teodora Handjieva-Darlenska (Bulgaria)		
14:15-14:45	TS04.01	Obesity Pharmacotherapy: Where We Are, and Where We're Going	<i>S Pedersen (Canada)</i>
14:45-15:15		What is the future of metabolic and bariatric surgery in the era of effective anti-obesity pharmacotherapy?	<i>R Batterham (UK)</i>
15:15-15:45		Management of Rare Obesityes	<i>S Farooqi (UK)</i>



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14:15-15:45

T2 - Abstract Session: Obesity across the lifecourse

ROOM: LIFFEY A

Chairs: Caroline Heary (Ireland), Simon Russell (UK)

14:15-14:30

AD02.02

Do elderly people with obesity have different barriers, attitudes and perceptions toward obesity and its management when compared to younger PwO? A sub-analysis of ACTION IO study

D Dicker (Israel)

14:30-14:45

AD02.03

Dual trajectories of body mass index and insomnia symptoms and their associations with changes in perceived cognitive functioning before and after retirement

T Lallukka (Finland)

14:45-15:00

AD02.04

The age-dependent association of body mass index and metabolic syndrome with frailty: A mixed-effects model approach

P Ler (Sweden)

15:00-15:15

AD02.05

Distribution of Direct Healthcare Costs and Obesity-related Complications Among High-cost Individuals Living with Obesity: A UK Retrospective Open Cohort Study

J Pearson-Stuttard (UK)

15:15-15:30

AD02.06

Body mass index and breast cancer risk among post-menopausal women with and without cardiometabolic diseases: evidence from the UK Biobank prospective cohort

E Fontvieille (France)

14:15-15:45

EASO Physical Activity, Fitness and Function Working Group

ROOM: LIFFEY B

Chairs: Grace O'Malley (Ireland), Jean-Michel Oppert (France)

14:15-14:20

Introductory remarks - EASO Physical Activity, Fitness and Function Working Group.

JM Oppert (France)

14:20-14:50

Physical activity, physical fitness and function in childhood obesity.

G O'Malley (Ireland)

14:50-15:10

Physical activity and weight maintenance: why is it so challenging? What does the research tell us?

A Bellicha (France)

15:10-15:30

Physical activity and weight maintenance: why is it so challenging? The patient's perspective

S Sigurdardottir (Iceland)

15:30-15:45

Discussion - Implications for practice



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14:15-15:45	Accepted Symposium: EASO/WHO Session: Reducing the impact of digital marketing of foods to children and adolescents	ROOM: LIFFEY HALL 1
	Chairs: Kremlin Wickramasinghe (Denmark), Emma Boyland (UK)	
14:15-14:20	Welcoming words	<i>K Wickramasinghe (Denmark), E Boyland (UK)</i>
14:20-14:30	Update of the current evidence on digital food marketing exposure, power, and impact	<i>E Boyland (UK)</i>
14:30-14:40	WHO priority actions and innovative monitoring tools	<i>O Zhiteneva (Denmark)</i>
14:40-14:50	Presentation of the WHO Europe NPM second edition	<i>M Bica (Denmark)</i>
15:40-15:00	Strengthening regulations to restrict marketing of HFSS foods to children: updates from WHO	<i>K Hetz (Denmark)</i>
15:00-15:40	Panel discussion and Q&A	<i>K Wickramasinghe (Denmark), E Boyland (UK)</i>
15:40-15:45	Closing words	
14:15-15:45	EASO/ESC Joint Session Obesity and Cardiovascular diseases: Two intertwined global epidemics	ROOM: LIFFEY HALL 2
	Chairs: Theresa McDonagh (UK), Paolo Sbraccia (Italy)	
14:15-14:35	How to diagnose heart failure in people with obesity	<i>M Lee (UK)</i>
14:35-14:55	Impact of obesity on outcomes in heart failure	<i>L Meems (Netherlands)</i>
14:55-15:15	Obesity and cardiovascular disease: mechanistic insights and management strategies	<i>J Wilding (UK)</i>
15:15-15:35	Role of epicardial adipose tissue in coronary dysfunction	<i>A Dutour (France)</i>
15:35-15:45	Discussion	



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15:45-16:15	COFFEE BREAK/COMMERCIAL EXHIBITION	EXHIBITION AREA
16:15-17:45	INDUSTRY SUPPORTED SESSION	ROOM: LIFFEY A
16:15-17:45	INDUSTRY SUPPORTED SESSION	ROOM: LIFFEY HALL 1
17:45-18:30	OPENING PLENARY SESSION	
17:45-18:30	Obesity and inequality: Where are we and how should we proceed?	THE AUDITORIUM
	Chairs: Grace O'Malley (Ireland), Jason Halford Halford (UK)	
	Obesity and inequality: Where are we and how should we proceed	<i>M Marmot (UK)</i>
18:30-19:00	ECO2023 OPENING CEREMONY Grace O'Malley (Ireland), Jason Halford (UK)	THE AUDITORIUM
19:00-21:00	ECO2023 WELCOME RECEPTION	EXHIBITION AREA



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08:30-09:15		PLENARY LECTURE		
08:30-09:15		T1 - Immunometabolism		THE AUDITORIUM
		Chair: Fiona McGilliguddy (Ireland), Gema Frühbeck (Spain)		
		Implications of metabolic dysfunction in obesity on the immune system		L O'Neill (Ireland)
09:30-11:00		TOPIC SESSIONS AND ACCEPTED SYMPOSIA		
09:30-11:00		T1 - Mitochondrial Dysfunction		THE AUDITORIUM
		Chairs: Roberto Vettor (Italy), Maria del Mar Malagon (Spain)		
09:30-10:00	TS05.01	Mitochondrial dysfunction in obesity - from cell to organ dysfunction		K Pietilainen (Finland)
10:00-10:30	TS05.02	Revisiting the importance of mitochondrial bioenergetics in obesity-related insulin resistance		G Holloway (Canada)
10:30-10:45	TS05.03	Dietary nitrate mitigates gut dysbiosis as a key mechanism to prevent glucose intolerance and cardiac dysfunction in high-fat diet-fed mice		H L Petrick (Canada)
10:45-11:00	TS05.04	CETP expression increases body metabolism at both thermoneutrality and cold exposure contributing to a leaner phenotype		H C F Oliveira (Brazil)
09:30-11:00		T2 - Addressing the public health challenge of an insecure global environment		ROOM: LIFFEY A
		Chairs: Kremlin Wickramasinghe (Denmark), Johanna Ralston (US)		
09:30-10:00		A Public Health approach to Obesity - ensuring high quality systems from prevention to long-term care		J Breda (Greece)
10:00-10:30	TS06.01	Addressing individual determinants of food insecurity		E Grimaccia (Italy)
10:30-10:45	TS06.02	Consumer attitudes and behaviours towards more sustainable diets: a scoping review		J Harrington (Ireland)
10:45-11:00	TS06.03	Long term effects of COVID-19 lockdown on people with obesity-TURK-COM Study		D Yazıcı (Türkiye)
09:30-11:00		T3 - Play and Activity		ROOM: LIFFEY B
		Chairs: Paulina Nowicka (Sweden), David Thivel (France)		
09:30-10:00	TS07.01	Exercise physiology in children and adolescents with obesity		A Barker (UK)
10:00-10:30	TS07.02	Implementing activity policy for all (children and vulnerable groups)		C Woods (Ireland)
10:30-11:00	TS07.03	Physical activity in children: How are we doing and what can we do to prevent disease		R Jago (UK)



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09:30-11:00	Topic Session T4: The role and importance of multidisciplinary treatment in the era of effective pharmacology		ROOM: LIFFEY HALL 1
	Chair: Feray Akbaş (Türkiye)		
09:30-10:00	TS08.01	Do new obesity medications may reduce the need for MDT support in obesity treatment?	<i>C le Roux (Ireland)</i>
10:00-10:30	TS08.02	Effective obesity treatment requires holistic intervention, rehabilitation and support in conjunction with pharmacotherapy	<i>C Breen (Ireland)</i>
10:30-11:00		Access to treatment and criteria for reimbursement: How does this impact patients responses/behaviours	<i>B Keenan (Ireland)</i>
09:30-11:00	EASO/KSSO Joint Session: Digital Therapeutics and Big Data		ROOM: LIFFEY HALL 2
	Chairs: Jason Halford (UK), Cheol-Young Park (Korea)		
09:30-09:50	AS3.01	Current status of obesity in Asian population	<i>Y H Kim (Korea)</i>
09:50-10:10		The Roczen programme: a digitally enabled, medically-led intervention for obesity and T2D - outcomes at 1 year	<i>B McGowan (UK)</i>
10:10-10:30		How to use Medical Big data for obesity research	<i>J Baker (Denmark)</i>
10:30-10:50	AS3.02	Application of the CGM in obesity management program	<i>S J Moon (Korea)</i>
10:50-11:00		Discussion	
11:00-11:30	COFFEE BREAK/COMMERCIAL EXHIBITION		EXHIBITION AREA
11:30-13:00	ABSTRACT SESSIONS AND ACCEPTED SYMPOSIA		
11:30-13:00	T1 - Adipose Tissue		THE AUDITORIUM
	Chairs: Abdul Dulloo (Switzerland), Ellen Blaak (Netherlands)		
11:30-11:45	AD03.01	Exploring a novel cell communication pathway in the adipose tissue for nanomedicine applications in obesity	<i>A Gordon (Spain)</i>
11:45-12:00	AD03.02	Positive association of aquaporin-7 and brown adipose tissue whitening in experimental obesity: impact of cold exposure and bariatric surgery	<i>A Rodríguez (Spain)</i>
12:00-12:15	AD03.03	Role of IL-36γ in the regulation of visceral adipose tissue chronic inflammation	<i>V Catalán (Spain)</i>
12:15-12:30	AD03.04	The role of Coiled-Coil-Helix-Coiled-coil-Helix Domain 10 (CHCHD10) in adipocyte biology	<i>X Wu (China)</i>
12:30-12:45	AD03.05	The role of prk1 serine/threonine kinase in resistance to human insulin and type 2 diabetes mellitus associated with obesity	<i>A Lecube (Spain)</i>
12:45-13:00	AD03.06	Effect of PPARα deletion specifically in brown adipocytes on adipocytes biology	<i>P L Batrow (France)</i>



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11:30-13:00	T2 - Public Health Policy		ROOM: LIFFEY A
	Chairs: Janas Harrington (Ireland), Dana Mullerova (CZE)		
11:30-11:45	AD04.01	Combining evidence synthesis with policy options mapping to inform obesity policy development in Northern Ireland	<i>C Reynolds (Ireland)</i>
11:45-12:00	AD04.02	A whole systems approach to obesity prevention: a rapid synthesis of evidence to inform the Northern Ireland Obesity Prevention Strategy Project Board	<i>J Mack (Ireland)</i>
12:00-12:15	AD04.03	Changes in recommended strategies and the prevailing obesity narrative expressed within Australian obesity policies over the last 25 years	<i>T Gill (Australia)</i>
12:15-12:30	AD04.04	Is Calorie Labelling an Equitable and Effective Obesity Policy? Triangulating evidence	<i>E Robinson (UK)</i>
12:30-12:45	AD04.05	Harmonizing indicators of diet and physical activity to monitor obesity in pan-European surveillance	<i>A Hebestreit (Germany)</i>
12:45-13:00	AD04.06	Can local action impact effectively on determinants of healthy weight? Lessons from Scotland	<i>R Ireland (UK)</i>
11:30-13:00	T4 - Adult Medications 2		ROOM: LIFFEY B
	Chairs: Johanna Brix (Austria), Dilek Yazıcı (Türkiye)		
11:30-11:45	AD05.01	Liraglutide and naltrexone/bupropion similarly improve body composition, glycemia, liver and endothelial health in patients with obesity: results from a comparative 6-month longitudinal study	<i>G Argyrakopoulou (Greece)</i>
11:45-12:00	AD05.03	Effect of liraglutide 3.0 in different abdominal fat layers measured by ultrasound. The importance of perirenal fat	<i>G Cuatrecasas (Spain)</i>
12:00-12:15	AD05.04	Utility of novel glucagon-like peptide-1 receptor agonists as anti-obesity medications in liver transplant recipients	<i>G Srivastava (US)</i>
12:15-12:30	AD05.05	Efficacy and safety of once weekly semaglutide 2.4 mg for weight management in a predominantly Asian population with overweight or obesity in the STEP 7 randomised clinical trial	<i>M R Hansen (Denmark)</i>
12:30-12:45	AD05.06	Time to Weight Plateau with Tirzepatide Across BMI Categories in SURMOUNT-1	<i>RL Batterham (UK)</i>
12:45-13:00		Discussion	



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11:30-13:00	EASO Paediatric COMs	ROOM: LIFFEY HALL 1
	Chairs: Jennifer Baker (Denmark), Jens-Christian Holm (Denmark)	
11:30-11:45	COMs Service Presentation: National University Hospital of Iceland	<i>T Helgason (Iceland)</i>
11:45-12:00	An Overview of the West Yorkshire Complications of Excess Weight (CEW) Service	<i>C Steele (UK)</i>
12:00-12:15	COMs Service Presentation: Expertise Centre Lifestyle Medicine Children	<i>E van Mil (Netherlands)</i>
12:15-12:30	COMs Service Presentation: University Medical Center in Gdansk, Program "6-10-14 for Health"	<i>P Metelska (Poland)</i>
12:30-12:45	COMs Service Presentation: Adipositaszentrum Zentralschweiz, Luzerner Kantonsspital (Lucerne)	<i>M Sykora (Switzerland)</i>
12:45-13:00	COMs Service Presentation: Children's Health Ireland	<i>G O'Malley (Ireland)</i>
11:30-13:00	EASO-Novo Nordisk Foundation New Investigator Awards Session	ROOM: LIFFEY HALL 2
	Chairs: Volkan Yumuk, (Türkiye), Dana Mullerova (CZE), Arne Astrup (Denmark)	
11:30-11:35	Welcome from EASO	<i>V Yumuk (Türkiye)</i>
11:35-11:40	Introduction to NNF Obesity Unit	<i>A Astrup (Denmark)</i>
11:40-11:45	Presentation of New Investigator Award in Basic Science	
11:45-12:00	New Investigator Award in Basic Science Lecture	<i>C F Cobos (Spain)</i>
12:00-12:05	Presentation of New Investigator Award in Childhood Obesity	
12:05-12:20	New Investigator Award in Childhood Obesity Lecture	<i>C C Sanchez (Spain)</i>
12:20-12:25	Presentation of New Investigator Award in Clinical Research	
12:25-12:40	New Investigator Award in Clinical Research Lecture	<i>S Heinonen (Finland)</i>
12:40-12:45	Presentation of New Investigator Award in Public Health	
11:30-11:45	New Investigator Award in Public Health Lecture	<i>S Mills (UK)</i>



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13:00-14:00	LUNCH	EXHIBITION AREA
13:15-14:45	WHO/WHO EURO session: Launch of the WHO health service delivery framework for prevention and management of obesity	ROOM: LIFFEY HALL 2
	Chair: Francesco Branca (Switzerland)	
13:15-13:22	Welcome	T James (Ireland)
13:22-13:30	Opening Remarks	J Bowman (Belgium), F Branca (Switzerland)
13:30-13:40	Reflections	V Mooney (Ireland, Spain)
13:40-13:55	WHO health service delivery framework for prevention and management of obesity	F Celletti (Switzerland), K Wickramasinghe (Denmark)
13:55-14:30	Country Panel: Wins, challenges and priorities of the health system response to the obesity epidemic	Moderator: Francesco Branca (Switzerland) Panelists: M J Gregório (Portugal) D O'Shea (Ireland) R Ntsie (South Africa) V Yumuk (Türkiye)
14:30-14:40	Q&A led by a moderator	
14:40-14:45	Closing Remarks	K Wickramasinghe (Denmark)
15:00-15:45	EASO-Novo Nordisk Foundation Obesity Prize for Excellence	THE AUDITORIUM
	Chairs: Jason Halford (UK), Arne Astrup (Denmark)	
15:00-15:05	Welcome from EASO	J Halford (UK)
15:05-15:10	Introduction to NNF Obesity Unit	A Astrup (Denmark)
15:10-15:15	Presentation of Award by J Halford and A Astrup to Roelof Smit (on behalf of Ruth Loos)	
15:15-15:20	Introductory video	
15:20-15:40	Excellence Prize Lecture	R Loos (Denmark)
15:40-15:45	Q&A	
15:45-16:15	COFFEE BREAK/COMMERCIAL EXHIBITION	EXHIBITION AREA



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16:15-17:45 ABSTRACT SESSIONS AND POSTER PITCH SESSIONS

16:15-17:45 T3 - Treatment and Management THE AUDITORIUM

Chairs: Bogdan Pascu (Romania), Sharleen O'Reilly (Ireland)

16:15-16:30 AD06.01 Natural History of Congenital Deficiency of Leptin and its Receptor - A Population Based Study *S Saeed (UK)*

16:30-16:45 AD06.02 Evaluation of clinical benefit following setmelanotide treatment in patients with Bardet-Biedl syndrome *E Forsythe (UK)*

16:45-17:00 AD06.03 Lifestyle Habits, Weight Status and Body Composition in Treatment Naive Transgender/Gender Diverse Adolescents *Y Lebenthal (Israel)*

17:00-17:15 AD06.04 Reducing BMI below the obesity threshold in adolescents treated with once-weekly subcutaneous semaglutide 2.4 mg: a post-hoc analysis from the STEP TEENS randomised controlled trial *A Kelly (US)*

17:15-17:30 AD06.05 Diminished Glucagon Suppression and Reduced GLP-1 Response to Oral Glucose in Children and Adolescents with Obesity and Insulin Resistance *E D B Hovendal (Denmark)*

17:30-17:45 AD06.06 Optimising Praxis-oriented Obesity Research with Storytelling: Co-creating Health Professional Communication Training with PPI *M O'Brien (Ireland)*

16:15-17:45 T2 - Obesity Risk ROOM: LIFFEY A

Chairs: Celine Murrin (Ireland), Michal Kasher-Meron (Israel)

16:15-16:30 AD07.01 Polygenic risk of obesity and BMI trajectories in twin pairs from Finland: A 36-year follow-up *B Berntzen (Finland)*

16:30-16:45 AD07.02 Genetically and environmentally predicted obesity in relation to risk of cardiovascular disease *E Ojalehto (Sweden)*

16:45-17:00 AD07.03 BMI across adulthood, COVID-19 and long COVID in two British birth cohorts *C Bridger Staatz (UK)*

17:00-17:15 AD07.04 Built environment and the incidence of adult obesity in Catalonia, Spain: a large population-based cohort study *T Duarte Salles (Spain)*

17:15-17:30 AD07.06 The psychological scarring effects of past obesity and increased risk of mortality: evidence from two epidemiological cohort studies *I G N E Putra (UK)*

17:30-17:45 Discussion



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16:15-17:45		T4 - Medical Nutrition Therapy: EASO and EFAD	ROOM: LIFFEY B
		Chairs: Werd Al-Najim (Ireland), Maria Hassapidou (Greece)	
16:15-16:30	AD08.01	Metabolic profiles reflect weight loss maintenance and the composition of diet after very-low-energy diet	<i>M Näätänen (Finland)</i>
16:30-16:45	AD08.02	Mediterranean diet preserves kidney function in patients with obesity and type 2 diabetes: from the CORDIOPREV study	<i>A Podadera Herreros (Spain)</i>
16:45-17:00	AD08.03	Sarcopenia is associated with mild cognitive impairment in young patients living with obesity	<i>M Comas (Spain)</i>
17:00-17:15		Dissemination of MNT guidelines for Obesity: Methodology & Options	<i>A Vlassopoulos (Greece)</i>
17:15-17:30		Investigating the views of practitioners and patients: A framework for MNT guidelines implementation.	<i>O Androutsos (Greece)</i>
17:30-17:45		A glimpse in translating MNT guidelines into practice: Results from pilot studies.	<i>H Mulrooney (UK)</i>
16:15-17:45		EASO/ESE Joint Session: Endocrine Disruptors	ROOM: LIFFEY HALL 1
		Chair: Volkan Yumuk (Türkiye)	
16:15-16:40		Overview of endocrine disruptors as factor in the exploding obesity pandemic	<i>R Barouki (France)</i>
16:40-17:05		EDCs and obesity from early life to adulthood: an update on current knowledge	<i>A-S Parent (Belgium)</i>
17:05-17:30		Impact of endocrine disruptor policies on obesity	<i>J Bowman Busato (Belgium)</i>
17:30-17:45		Discussion	
16:15-17:45		EASO Early Career Network Best Thesis Award	ROOM: LIFFEY HALL 2
		Chairs: Cilius Esmann Fonvig (Denmark), Lisa Heggie (UK)	
16:15-16:20		Welcome from ECN Board	<i>C E Fonvig (Denmark)</i>
16:20-16:35		Best Thesis Candidate 1	<i>J Lund (Denmark)</i>
16:35-16:50		Best Thesis Candidate 2	<i>N Steenackers (Belgium)</i>
16:50-17:05		Best Thesis Candidate 3	<i>S Stinson (Denmark)</i>
17:05-17:30		Presentation: Communicating obesity science to achieve impact	<i>E Boyland (UK)</i>
17:30-17:35		Engagement with the ECN	<i>L Heggie (UK)</i>
17:35-17:45		Announcement: winner of the EASO ECN Best Thesis award 2023	<i>E Boyland (UK)</i>



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17:45-18:30

TRACK SPECIFIC POSTERS NETWORKING RECEPTION: TRACK 1 AND 3

EXHIBITION AREA

Track 1 - Guided Posters

Chairs: Frederick Sheedy (Ireland), Emilia Huvinen (Finland)

PO1.096	Complex lifestyle intervention modulates plasma extracellular vesicles and their acute exercise-induced dynamics in adults with obesity	<i>O Mytiai (Slovakia)</i>
PO1.097	Neutrophil serine proteases as the endogenous suppressors of white adipose tissue browning and adaptive thermogenesis in obesity	<i>L Yuan (Hong Kong)</i>
PO1.098	Communication between adipose tissue and bone: Waist/hip ratio a significant predictor of Undercarboxylated Osteocalcin in Obesity	<i>V Berisha Muharremi (Kosovo)</i>
PO1.099	Cold-induced thermogenesis shows a diurnal variation, that unfolds differently in males and females	<i>M Boon (Netherlands)</i>
PO1.100	Co-supplementation with dietary nitrate and resveratrol enhance the cellular response to aerobic exercise in a model of high-fat diet-induced obesity	<i>RM Handy (Canada)</i>
PO1.101	Towards understanding stress-related metabolism: relationship of long-term hair glucocorticoid levels and circulating FGF21 in patients with obesity	<i>R Lengton (Netherlands)</i>
PO1.102	The Reward Value of Oral Erythritol in Comparison to Sucrose and Sucralose	<i>E Flad (Switzerland)</i>
PO1.103	The relationship between metabolic endotoxemia and brown adipose tissue metabolic activity: a cross-sectional study in two independent cohorts of adults	<i>FM Acosta Manzano (Finland)</i>
PO1.104	Effect of Diet-Induced Weight Loss on Telomere Length and Mitochondrial DNA Copy Number Variations in Patients with Obesity: a pilot study	<i>R Cancellato (Italy)</i>
PO1.105	Liver-associated dysmetabolism is related to brain structure and perfusion changes in obesity: the BARICO study	<i>F Seidel (Netherlands)</i>
PO1.106	Conversion from Trimethylamine to Trimethylamine N-oxide in patients with coronary heart disease is sex-dependent: CORDIOPREV study	<i>H García Fernández (Spain)</i>



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Track 3 - Guided Posters

Chairs: Julie Aarestrup (Denmark), Rachel Flanagan (Ireland)

PO3.087	Effect of semaglutide 2.4 mg on alanine aminotransferase in adolescents with obesity: a post-hoc analysis of the STEP TEENS trial	<i>R Sorig (Denmark)</i>
PO3.088	Four-year follow-up of metabolic risk factors in children treated for obesity in the preschool age: Pooled secondary outcomes from a Randomized Controlled trial	<i>M Brissman (Sweden)</i>
PO3.089	How do severity of obesity and relative weight loss affect growth pattern? Findings from the Swedish Childhood Obesity Treatment Register (BORIS)	<i>RR Putri (Sweden)</i>
PO3.090	Sustained weight loss after one year of treatment in lifestyle interventions for childhood obesity. A retrospective cohort study	<i>RM Jørgensen (Denmark)</i>
PO3.091	Associations between prenatal maternal cortisol, stress and anxiety, and childhood obesity at 5 years	<i>K Matvienko Sikar (Ireland)</i>
PO3.092	Dietary inflammation and associations with weight status in European children: preliminary findings from an individual participant data meta-analysis and quantile regression	<i>K Vingrys (Australia)</i>
PO3.093	Association of markers of glycemic control with gingivitis in children and adolescents with obesity without diabetes	<i>V Chuy (France)</i>
PO3.094	Effects of a community-based high-intensity interval training program on body composition, blood pressure and quality of life in children and adolescents with obesity: A randomized controlled trial	<i>CN Eggertsen (Denmark)</i>
PO3.095	Epicardial fat is associated with markers of systemic inflammation (GlycA and hsCRP) in preadolescent children: The GUSTO study	<i>SA Sadaranathan (Singapore)</i>
PO3.096	Interventions to prevent obesity in children and adolescents aged 5 to 18 years old: a Cochrane systematic review and meta-analysis of randomised controlled trials	<i>F Spiga (UK)</i>
PO3.097	Adherence to Mediterranean diet and obesity in children and adolescents: A systematic review and meta-analysis	<i>A Larruy García (Spain)</i>
PO3.098	Polygenic prediction of BMI from 4 months to early adulthood: a longitudinal study	<i>S Begum (UK)</i>
PO3.099	Body image and lifestyle behaviors in high school adolescents	<i>M Bordeleau (Canada)</i>
PO3.100	Association of Obesity and Body Image Discordance with Suicidal Behaviors in Korean Adolescents	<i>C Son (South Korea)</i>
PO3.101	Modelling the potential impact on inequalities in childhood obesity of intervening on early years risk factors: A policy simulation using data from the UK Millennium Cohort Study	<i>S Hope (UK)</i>
PO3.102	Sweetness in a glass: a study on children's sweet preference and sensitivity	<i>B V Belkom (Netherlands)</i>
PO3.103	Skeletal muscle mass, strength and physical performance in children and adolescents with obesity	<i>M Zembura (Poland)</i>



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19 MAY 2023, FRIDAY

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08:30-09:15		PLENARY LECTURE	
08:30-09:15		T2 - Obesity and Sustainability	THE AUDITORIUM
		Chairs: Louisa Ells (UK), Janas Harrington (Ireland)	
08:30-09:15		Obesity and Sustainability: Co-Benefits and Opportunities	<i>K Wickramasinghe (Denmark)</i>
09:30-11:00		TOPIC SESSIONS AND ACCEPTED SYMPOSIA	
09:30-11:00		T1 - Inflammation	THE AUDITORIUM
		Chairs: Gijs Goossens (Netherlands), Helen Roche (Ireland)	
09:30-10:00	TS09.01	Adipocyte fibrosis: The hallmark of deteriorating cardiometabolic health	<i>K Clement (France)</i>
10:00-10:30		Trained immunity in obesity related complications	<i>R Stienstra (Netherlands)</i>
10:30-10:45	TS09.02	Role of adipose-derived ApoM in adipose tissue inflammation	<i>L Frances (France)</i>
10:45-11:00	TS09.03	Pathological remodeling and functions of white adipose tissue in weight loss consecutive to obesity	<i>C Rebiere (France)</i>
09:30-11:00		T2 - Commercial Determinants of Health	ROOM: LIFFEY A
		Chairs: Emma Boyland (UK), Aileen McGloin (Ireland)	
09:30-10:00	TS10.01	Understanding the commercial determinants of dietary health: Recent evidence and priorities for action	<i>C Knai (UK)</i>
10:00-10:30	TS10.02	Insights into the economic globalisation and arrangements that underpin the commercial determinants of health	<i>S Friel (Australia)</i>
10:30-11:00	TS10.03	How is "big tech" influencing our eating behaviours and health?	<i>T Masterson (US)</i>
09:30-11:00		T3 - Treatment in Childhood and Adolescence	ROOM: LIFFEY B
		Chairs: Yael Iebenthal (Israel), Tryggvi Helgason (Iceland)	
09:30-10:00	TS11.01	First line MDT treatment	<i>P B Juliusson (Norway)</i>
10:00-10:30		Medications: Future directions of medications for children living within obesity	<i>E L T van den Akker (Netherlands)</i>
10:30-11:00	TS11.02	Bariatric surgery for adolescent obesity	<i>J Hamilton (Canada)</i>



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09:30-11:00		T4 - Mental Health and Obesity	ROOM: LIFFEY HALL 1
Chairs: Amy Ahern (UK), Hiba Jebile (Australia)			
09:30-10:00	TS12.01	Bariatric Surgery in adolescents with Mental Health Disorders	<i>K Jarvholm (Sweden)</i>
10:00-10:30	TS12.02	Eating disorders - Influence and considerations for obesity treatment	<i>H Jebile (Australia)</i>
10:30-10:45	TS12.03	Liraglutide 3.0 mg and Mental Health: Can Psychiatric Symptoms Predict Adherence to Therapy?	<i>M L Petroni (Italy)</i>
10:45-11:00	TS12.04	Hypoglycemia during extended oral glucose tolerance test in non-diabetic obese subjects according to binge eating and food addiction	<i>M Rania (Italy)</i>
09:30-11:00		Late Breaking Abstracts: New pharmacological approaches to the management of obesity	ROOM: LIFFEY HALL 2
Chairs: Hermann Toplak (Austria), Gabriella Lieberman (Israel)			
09:30-10:00	AD09.01	The Tirzepatide Clinical Development Program: Rationale and Design of the SURMOUNT Trials	<i>C W Le Roux (Ireland)</i>
10:00-10:30	AD09.02	Tirzepatide for the Treatment of Obesity: the SURMOUNT-1 Clinical Trial	<i>J L Aronne (US)</i>
10:30-11:00	AD09.03	Nutrient-stimulated hormone-based therapeutics in development: A focus on orforglipron and retatrutide	<i>A M Jastreboff (US)</i>
11:00-11:30		COFFEE BREAK/COMMERCIAL EXHIBITION	EXHIBITION AREA
11:30-13:00		ABSTRACT SESSIONS AND ACCEPTED SYMPOSIA	
11:30-13:00		EASO ADULT COMs: Case Study Discussion Session	THE AUDITORIUM
Chairs: Andreea Ciudin (Spain), Bart van der Schueren (Belgium)			
11:30-11:50		Post-Bariatric Hypoglycemia	<i>R Vangoitsenhoven (Belgium)</i>
11:50-12:10		Weight Regain	<i>A Ciudin (Spain)</i>
12:10-12:30		Combination Pharmacotherapy using Semaglutide 2.4 and/or Tirzepatide	<i>S Butsch (US)</i>
12:30-13:00		Panel Discussion on	



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11:30-13:00		T3 - Growth & Development		ROOM: LIFFEY A
		Chairs: Britt Jensen (Denmark), Melania Manco (Italy)		
11:30-11:45	AD10.01	Sleep timing behaviour, sleep duration and adherence to obesogenic dietary patterns in the transition from pre-school to school age: results from the birth cohort Generation XXI		<i>S Vilela (Portugal)</i>
11:45-12:00	AD10.02	Residential greenness and childhood BMI trajectories from birth to 7 years of age		<i>H Lagström (Finland)</i>
12:00-12:15	AD10.03	Impact of early exposure to traffic-related air pollution on the developmental trajectories of body mass index: New findings from the PARIS birth cohort		<i>C Roda (France)</i>
12:15-12:30	AD10.04	Trends in childhood body mass index status across 67 years of measurement: A cohort study		<i>J Aarestrup (Denmark)</i>
12:30-12:45	AD10.05	The experience of height and weight screening and the association with body image among children in Norwegian elementary schools		<i>T L Drilen (Norway)</i>
12:45-13:00	AD10.06	Burden of Obesity-related Complications in Adolescents Living with Overweight and Obesity: A Retrospective Open Cohort Study in a UK Real-world Population		<i>J Pearson Stuttard (UK)</i>
11:30-13:00		Accepted Symposium: Thermoregulation in Obesity Susceptibility and Obesity Management: Emerging Concepts, Issues and Opportunities		ROOM: LIFFEY B
		Chairv: Abdul Dulloo (Switzerland)		
11:30-11:50	AS4.01	Core body temperature: a neglected variable in weight regulation and obesity susceptibility		<i>A Dulloo (Switzerland)</i>
11:50-12:10	AS4.02	Does cold exposure increase appetite and food intake in humans?		<i>É Doucet (Canada)</i>
12:10-12:30	AS4.03	Does cold have any metabolic benefits?		<i>D Blondin (Canada)</i>
12:30-12:50	AS4.04	Dynamic indoor climate - an opportunity to enhance cardiovascular and metabolic health while decreasing building energy use		<i>H Pallubinsky (Netherlands)</i>
12:50-13:00		Discussion		



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11:30-13:00		T2 - Environmental Determinants of Obesity	ROOM: LIFFEY HALL 1
Chair: Emma Boyland (UK)			
11:30-11:45	AD11.01	Industry responses to the work of those involved in exposing the harmful practices of corporations	<i>M Mialon (Ireland)</i>
11:45-12:00	AD11.02	Evaluating fourteen interventions promoting the selection of lower-calorie options in food delivery apps: Results from three randomised controlled trials	<i>A Keleher (UK)</i>
12:00-12:15	AD11.03	Neighbourhood safety is associated with more weight loss and reduction in waist circumference during a combined lifestyle intervention for patients living with obesity	<i>B Brouwer (Netherlands)</i>
12:15-12:30	AD11.04	Understanding Socioeconomic Inequalities in Body Mass Index and Body Composition through Interactions between Internalising/ Externalising Symptoms and Environmental Conditions	<i>C Bridger Staatz (UK)</i>
12:30-12:45	AD11.05	Inhabitants' perspectives about the current healthy weight approach activities and facilities in five Dutch low SEP neighborhoods	<i>M Ter Bogt (Netherlands)</i>
12:45-13:00	AD11.06	The Prominence of Healthy and Unhealthy Food in Supermarkets in Urban Ireland	<i>S O' Mahony (Ireland)</i>
11:30-13:00		EASO/ESPEN Joint Session: Malnutrition in Obesity: Medical & Social aspects	ROOM: LIFFEY HALL 2
Chair: Marwan El Ghoch (Lebanon/Italy)			
11:30-11:55		Social determinants of malnutrition in obesity	<i>S Friel (Australia)</i>
11:55-12:20		How to diagnose and treat malnutrition in obesity	<i>R Barazzoni (Italy)</i>
12:20-12:45		Up-to-date on the EASO/ESPEN initiative on Sarcopenic Obesity	<i>L Maria Donini (Italy)</i>
12:45-13:00		Discussion	



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13:00-14:00	LUNCH	EXHIBITION AREA
13:30-15:00	EASO / IFSO-EC Session: Anti-Obesity Drugs and/or Bariatric Metabolic Surgery	ROOM: LIFFEY A
	Chairs: Barbara McGowan (UK), Ralph Peterli (Switzerland)	
13:30-13:50	Effects of New Drugs in Appetite and Eating Behaviour	<i>J Halford (UK)</i>
13:50-14:10	Weight Maintenance after Bariatric Surgery, Mission Impossible?	<i>D Dicker (Israel)</i>
14:10-14:30	Results of the GLIDE Clinical Trial: Gastric Banding plus Liraglutide in Patients with Type 2 Diabetes and obesity	<i>L Dobbie (UK)</i>
14:30-14:50	Will Bariatric/Metabolic Surgery (BMS) Still be Needed in 10 Years?	<i>R Peterli (Switzerland)</i>
14:50-15:00	Discussion	
13:00-15:00	EASO/OC JOINT WORKSHOP	ROOM: LIFFEY B
	Chairs: Denise Campbell-Scherer (Canada), Simon Williams (UK), Nicole Pearce (Canada), Scott Butsch (US)	
	Advancing person-centred obesity care through education globally Workshop Description: This workshop will explore the learnings of an 8-year International Coalition to Improve Training in Obesity Management. Our interdisciplinary and intercultural network has brought experience in advancing person-centred, culturally informed obesity education and care in their jurisdictions. We will also be exploring the learnings of developing and implementing obesity competencies. The workshop will bring together those providing and interested in exploring the current state of obesity education around the world, and highlight gaps and priorities for the next decade.	
13:15-14:45	INDUSTRY SUPPORTED SESSION	ROOM: LIFFEY HALL 1
15:00-15:45	PLENARY SESSION	
15:00-15:45	Clustering of obesity phenotypes - learnings from diabetes	THE AUDITORIUM
	Chairs: Jorn Sagen (Norway), Davor Stimac (Croatia)	
	Precision Medicine in Diabetes and Obesity	<i>E Pearson (UK)</i>
15:00-15:45	T3 - Adolescent health and obesity	ROOM: LIFFEY A
	Chairs: Jennifer Baker (Denmark), Clodagh O'Gorman (Ireland)	
	Adolescent health and obesity	<i>R Viner (UK)</i>



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15:45-16:15	COFFEE BREAK/COMMERCIAL EXHIBITION	EXHIBITION AREA
16:15-17:45	ABSTRACT SESSIONS AND ACCEPTED SYMPOSIA	
16:15-17:45	Accepted Symposium: Challenges and possibilities in economic analysis when investigating long-term consequences of obesity	THE AUDITORIUM
	Chairs: Samira Jabakhanji (Germany, Ireland)	
16:15-16:20	Introduction	
16:20-16:35	Long-term modelling of obesity: Methods, outcomes and implications for economic evaluation and policies - a systematic review	S Jabakhanji (Germany, Ireland), F Manke-Reimers (Germany), D Sonntag (Germany)
16:35-16:45	Association between paediatric obesity and early adult health care utilisation - can we learn from cross-country comparisons?	V Halsteinli (Norway), E Hagman (Sweden)
16:45-16:55	The association between paediatric obesity treatment outcome and early adulthood health care utilisation and associated costs - Preliminary findings from a prospective cohort study	E Hagman (Sweden)
16:55-17:05	Modelling productivity-adjusted life-expectancy associated with higher body mass index	J Sorensen (Ireland), G Valentelyte (Ireland)
17:05-17:20	Clinical perspective on investigating long-term consequences of obesity	C Marcus (Sweden)
17:20-17:40	Panel Discussion including PLWO Representative	E Jeurissen (Belgium)
17:40-17:45	Closing	
16:15-17:45	The Use of Evidence-Based Dietary Interventions for the Management of Obesity	ROOM: LIFFEY A
	Chairs: Luca Busetto (Italy), Felipe Casanueva (Spain)	
16:15-16:20	Welcome and Introductions	L Busetto (Italy), F Casanueva (Spain)
16:20-16:30	Scientific update of overweight and obesity treatments and the new international guidelines of medical nutrition	L Busetto (Italy)
16:30-16:45	Main studies on VLCKD in obesity and future directions	F Casanueva (Spain)
16:45-17:00	Improving obesity treatment engagement and treatment response: The role of meal replacements	J Ard (US)
17:00-17:15	Analysing the appropriate way of treating obesity	B van der Schueren (Belgium)
17:15-17:30	An Interdisciplinary approach to Obesity Therapy	B Burguera (US)
17:30-17:45	Panel discussion and Q & A / Final comments and closing	



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16:15-17:45	EASO/WHO Session: Ongoing work to prevent and manage childhood obesity in the WHO European Region	ROOM: LIFFEY B
	Chairs: Kremlin Wickramasinghe (Denmark)	
16:15-16:20	Welcoming words	<i>K Wickramasinghe (Denmark)</i>
16:20-16:30	AS6.01 Launch COSI-COVID preliminary report: Impact of the COVID-19 pandemic on the eating habits, physical activity and sedentary behaviours of school-aged children in 13 countries within the WHO European Region: "COSI COVID" Study, 2020-2022	<i>A I Rito (Portugal)</i>
16:30-16:40	AS6.02 Obesity dialogues - fostering policy options in Western Balkans and Central Asia	<i>M M Heinen (Denmark)</i>
16:40-16:50	AS6.03 Train-the-trainer course on Childhood Obesity Management for Primary Care Physicians in the WHO European Region: A pilot project	<i>N Farpour-Lambert (Switzerland)</i>
16:50-17:00	AS6.04 Improving data on overweight, obesity and undernutrition among children under the age of 5 years in the WHO European Region	<i>M Buoncristiano (Italy)</i>
17:00-17:10	AS6.05 Implementing policies that work: the WHO/EURO Sugar and Calorie Reduction Network	<i>V Pyne (UK)</i>
17:10-17:45	Interactive Q&A and discussion session	<i>J Williams (Denmark)</i>
17:40-17:45	Closure	<i>K Wickramasinghe (Denmark)</i>
16:15-17:45	EASO ACTION Update Session	ROOM: LIFFEY HALL 1
	Chairs: Dror Dicker (Israel), Vicki Mooney (Ireland/Spain)	
16:15-16:25	Opening Remarks and Session Rationale: Methodologies of ACTION studies	<i>D Dicker (Israel)</i>
16:25-16:40	Key take away from ACTION IO - general findings	<i>P Sbraccia (Italy)</i>
16:40-16:55	Key take away from ACTION Teens	<i>J Halford (UK)</i>
16:55-17:05	Results from ACTION IO - Elderly	<i>D Dicker (Israel)</i>
17:05-17:20	Patient perspectives: Relevance of ACTION findings on life cycle of PwO	<i>M Coelho (Portugal), R C Tucker (UK)</i>
17:20-17:25	Summary/overview	<i>D Dicker (Israel)</i>
17:25-17:45	Panel discussion	



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16:15-17:45		Food marketing and young people: Monitoring methodologies, challenges and novel perspectives. A joint session from the EASO Childhood Obesity and Public Health Taskforces.	ROOM: LIFFEY HALL 2
		Chairs: Travis Masterson (US), Chris Macey (Ireland)	
16:15-16:40		Contemporary methods for monitoring food marketing to young people	<i>E Boyland (UK)</i>
16:40-17:00		Who wins - industry or children's best interests? The data protection challenges in digital food marketing research	<i>M Tatlow-Golden (UK,Ireland)</i>
17:00-17:15	AD12.01	Children's overall exposure to HFSS food marketing in the UK	<i>K Spooner (UK)</i>
17:15-17:30	AD12.02	The restaurant industry's charitable activities: What do children aged 9-17 years think of them and what's their potential effect on children's purchasing behaviours?	<i>E Pauzé (Canada)</i>
17:30-17:45		Discussion	
17:45-18:30		TRACK SPECIFIC POSTERS NETWORKING RECEPTION: TRACK 2 AND 4	EXHIBITION AREA
		Track 2 - Guided Posters	
		Chairs: Bram Berntzen (Finland), Eugenia Romano (UK)	
	PO2.126	Exploring attitudes and perceptions regarding obesity on Twitter during the COVID-19 pandemic: A sentiment analysis and topic modeling approach	<i>J C Correia (Switzerland)</i>
	PO2.127	Enrollment, engagement, and effectiveness of a diabetes prevention program delivered using synchronous distance technology	<i>C Dunn (US)</i>
	PO2.128	Patient-led obesity stigma awareness training for entry level healthcare students in Ireland - perceptions and feedback	<i>J O'Connell (Ireland)</i>
	PO2.129	"What happened, [you] used to be so pretty" - the lived experiences of obesity-related stigma: an IMI2 SOPHIA study	<i>E Hollmann (Ireland)</i>
	PO2.130	Modelling productivity-adjusted life-expectancy associated with higher body mass index	<i>J Sørensen (Ireland)</i>
	PO2.131	Feasibility and acceptability of an acceptance-based guided self-help programme for weight loss maintenance	<i>J Mueller (UK)</i>
	PO2.132	Obesity As A Disease: Philosophical Considerations	<i>M Steele (Ireland)</i>
	PO2.133	Applying the Business Impact Assessment for Obesity and Population-Level Nutrition (BIA-Obesity) in Ireland	<i>M Steele (Ireland)</i>
	PO2.134	Onset and development of eating disorders in adolescents and adults with overweight and obesity: a scoping review of models and frameworks	<i>R Khalid (Australia)</i>
	PO2.135	"See me as a person first": patient perceptions and experiences of enacted weight stigma by healthcare providers across healthcare settings - A qualitative evidence synthesis	<i>L Ryan (Ireland)</i>



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Track 4 - Guided Posters

Chairs: Colin Dunlevy (Ireland), Eszter Halmy (Hungary), Lidia Arhire Graur (Romania)

PO4.169	What Are the Factors That Affect Weight Loss Program Adherence?	A Norouzy (Iran)
PO4.170	Progression of Obesity-related Complications Over 10 Years in a UK Population: A Retrospective Open Cohort Study	J Pearson-Stuttard (UK)
PO4.171	Diagnosis of overweight and obesity and its association with performance rates of obesity care in the primary care setting	M Kasher Meron (Israel)
PO4.172	Improving weight-related discussions using a 3D-virtual training tool for healthcare professionals	F Quigley (UK)
PO4.173	Effects of liraglutide 3mg among patients living with psoriasis and obesity: beyond metabolic control?	J Nicolau Ramis (Spain)
PO4.174	Baseline characteristics in the Remote Diet Intervention to REduce long-COVID symptoms Trial (ReDIRECT)	L Haag (UK)
PO4.175	Updated meta-analysis of studies from 2011 to 2021 comparing the effectiveness of intermittent energy restriction versus continuous energy restriction	J H Kang (South Korea)
PO4.176	What are the weight management practices and support needs of young people living with excess weight?	J R Marwood (UK)
PO4.177	Innovative obesity management and prevention online portal to support persons with obesity: STOP Project RCT	A Moorhead (Ireland)
PO4.178	Long-term body composition in patients with POMC or LEPR deficiency obesity following setmelanotide	K Clément (France)
PO4.179	Obesity phenotypes are poor predictors of genetic mutations associated with obesity	K Alabduljabbar (Ireland)
PO4.180	Clinical phenotyping of adults with genetic obesity	M S Welling (Netherlands)
PO4.181	Supplementation with medium-chain fatty acids increases body weight loss during very low-calorie ketogenic diet: a retrospective analysis in a real-life setting	L Verde (Italy)
PO4.182	Improved systemic glucose and lipid metabolism in obese humans upon olfactory odour stimulation	K Timper (Switzerland)



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PO4.183	The Effects of Whole-Body Cryostimulation at Two Different Temperatures in Patients with Obesity	<i>J M Fontana (Italy)</i>
PO4.184	Comparison of CT and DEXA in the evaluation of body composition in patients with severe obesity	<i>A Ciudin (Spain)</i>
PO4.186	Sarcopenic obesity in type 2 diabetes mellitus	<i>C Conte (Italy)</i>
PO4.187	Proof of applicability of ESPEN/EASO sarcopenic obesity diagnostic criteria (ESPEN/EASO-SO) in a wide cohort of Caucasian in-patients	<i>A Brunani (Italy)</i>
PO4.188	Clinical characteristics of variants in {POMC}, {PCSK1}, {LEPR}, {NCOA1}, and {SH2B1}	<i>E Van Den Akker (Netherlands)</i>
PO4.189	Predictive Weight Loss Outcome Scores Associated with Semaglutide in Patients with Diabetes Mellitus	<i>A Acosta (US)</i>
PO4.190	Clinical and mechanistic outcomes of bariatric surgery on metabolic indices and postprandial gastrointestinal hormone secretion: a prospective and patient-controlled study	<i>S Simati (Greece)</i>
PO4.191	Cardiometabolic Disease Severity and not BMI per se Predicts Poor COVID-19 Outcomes	<i>W T Garvey (US)</i>
PO4.192	The Experiences of People Living with Obesity and Chronic Pain: A Qualitative Evidence Synthesis (QES)	<i>N S Hinwood (Ireland)</i>
PO4.193	A ketogenic low-energy diet is superior to a control non-ketogenic diet in reducing calf subcutaneous adipose tissue in females with lipedema	<i>J Lundanes (Norway)</i>
PO4.194	Efficacy of The Low-Calorie Diet in the Treatment of Adults Living with Non-alcoholic Fatty Liver Disease (NAFLD) and Obesity: A Systematic Review and Meta-analysis	<i>L J Dobbie (UK)</i>
PO4.195	Mediterranean Diet and metabolic improvements for tertiary prevention of breast cancer: analysis after weight loss in women with a previous history of breast cancer	<i>E Cava (Italy)</i>
PO4.196	Service evaluation of the remote delivery of a digital tier 2 weight management programme	<i>N Brosnahan (UK)</i>



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08:30-09:15	PLENARY LECTURE		
08:30-09:15	T4 - The future of obesity management: Accessing and delivering chronic care for obesity		ROOM: LIFFEY HALL 1
	Chairs: Donal O'Shea (Ireland), Luca Busetto (Italy)		
	T4 - The future of obesity management: Accessing and delivering chronic care for obesity		<i>L Kaplan (US)</i>
09:30-11:00	TOPIC SESSIONS, ABSTRACT SESSIONS AND ACCEPTED SYMPOSIA		
09:30-11:00	T2 - Digital Media, Mental Health and Stigma		ROOM: LIFFEY A
	Chairs: Lisa Heggie (UK), Kathy Looney (Ireland)		
09:30-10:00	Digital media use: How is mental health impacted in young people?		<i>D Nicholls (UK)</i>
10:00-10:30	Reducing stigma: Towards a person-centred approach that promotes health for all		<i>X Ramos-Salas (Sweden)</i>
10:30-11:00	Patient Perspectives		<i>V Mooney (Ireland/Spain)</i>
09:30-11:00	T4 - Bariatric Surgery		ROOM: LIFFEY B
	Chairs: Naomi Fearon (Ireland), Marwan El Ghoch (Lebanon/Italy)		
09:30-09:45	AD13.05 Post-prandial hyperinsulinemic hypoglycemia after Roux-en-Y-gastric bypass: 20 years of experience in a tertiary center		<i>F E Vanesa Paola (Spain)</i>
09:45-10:00	AD13.01 Association between incidence of type 2 diabetes and mortality in patients with obesity: up to 30 years follow-up of the Swedish Obese Subjects study		<i>K Sjöholm (Sweden)</i>
10:00-10:15	AD13.02 Prevalence of fatty liver disease associated with metabolic dysfunction, concordance between biopsy and non-invasive methods, and predictive factors of remission 3 years after bariatric surgery		<i>A Lecube (Spain)</i>
10:15-10:30	AD13.03 Weight regain following bariatric surgery and In vitro fertilization outcomes		<i>R Machtinger (Israel)</i>
10:30-10:45	AD13.04 The impact of lifestyle modification program delivered before bariatric surgery in preventing long-term weight regain after surgery: A 5-year follow-up study		<i>M El Ghoch (Lebanon/Italy)</i>
10:45-11:00	AD13.06 Effects of Bariatric Surgery on Muscular Function, Metabolic Profile and Bone Mineral Density in Women with Obesity and Positive Parameters for Sarcopenia: a one-year follow-up		<i>N N C Carvalho (Brazil)</i>



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09:30-11:00		T1 - Neurobiology: The basic science of food intake behaviour during obesity treatment	ROOM: LIFFEY HALL 1
		Chair: Carel le Roux (Ireland), Tony Comuzzie (US)	
09:30-10:00	TS13.01	What do we learn regarding mechanisms of obesity interventions when we study food intake behaviours in rodents and humans?	<i>A Spector (US)</i>
10:00-10:30		Neurobiology: Molecular mechanisms of thinness	<i>S Farooqi (UK)</i>
10:30-10:45	TS13.02	Aerobic Exercise Training in Overweight, Young Adults does not Induce Weight Loss but Causes a Reduction in Resting Metabolic Rate	<i>T Knaan (Israel)</i>
10:45-11:00	TS13.03	Basal Metabolic Rate among individuals living with overweight or obesity: The value of predictive equations	<i>K P S Van Dessel (Belgium)</i>
09:30-11:00		Accepted Symposium - How is obesity in children and adolescents treated in the real-world?: case-based examples from five health systems	ROOM: LIFFEY HALL 2
		Chairs: Allen Browne (US), Louise Baur (Australia)	
09:30-09:35		Introduction	<i>A Browne (US)</i>
09:35-09:40		Case #1 - 15 year old female with severe obesity	<i>V O'Hara (US)</i>
09:40-10:05		Panel discussion	<i>L Baur (Australia), C E Fonvig (Denmark), C Fox (US) M Coelho (Portugal), R Courtney-Tucker (UK), C Maffei (Italy), G O'Malley (Ireland)</i>
10:05-10:15		Q&A	
10:15-10:20		Case #2 - 8 year old male with severe obesity	<i>V O'Hara (US)</i>
10:20-10:45		Panel discussion	<i>L Baur (Australia), C E Fonvig (Denmark), C Fox (US), M Coelho (Portugal), R Courtney-Tucker (UK), C Maffei (Italy), G O'Malley (Ireland)</i>
10:45-10:55		Q&A	
10:55-11:00		Closing Comments	<i>A Browne (US)</i>



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20 MAY 2023, SATURDAY

TRACK 1

TRACK 2

TRACK 3

TRACK 4

11:00-11:30	COFFEE BREAK/COMMERCIAL EXHIBITION		EXHIBITION AREA
11:30-13:00	TOPIC SESSIONS, ABSTRACT SESSIONS AND ACCEPTED SYMPOSIA		
11:30-13:00	T4 - Obesity and Cancer Treatment and Outcomes		ROOM: LIFFEY A
	Chairs: Jennifer Baker (Denmark), Jennifer Baker (Denmark)		
11:30-12:00		Cancer treatment in patients with obesity	<i>A Renehan (UK)</i>
12:00-12:30	TS14.01	Intentional weight loss for endometrial cancer management	<i>D Brennan (Ireland)</i>
12:30-13:00	TS14.02	Obesity as a barrier to accessing cancer screening	<i>Y Graham (UK)</i>
11:30-13:00	T1 - Immunometabolism/Inflammation		ROOM: LIFFEY B
	Chairs: Frederick Sheedy (Ireland), Andy Hogan (Ireland)		
11:30-11:45	AD14.01	Effects of a chronic intake of the natural sweeteners erythritol and xylitol on vascular function, abdominal fat and glucose tolerance in patients with obesity	<i>V Bordier (Switzerland)</i>
11:45-12:00	AD14.02	The HDL proteome as a novel biomarker of metabolic health in obesity	<i>F C Mcgillcuddy (Ireland)</i>
12:00-12:15	AD14.03	Saturated fat increases inflammation, lipid metabolism and oncogenic signaling in obesity-linked oesophageal cancer to a greater extent than monounsaturated fat	<i>K A J Mitchelson (Ireland)</i>
12:15-12:30	AD14.04	Natural killer cells in children & adults with obesity, from dysregulation to restoration	<i>A E Hogan (Ireland)</i>
12:30-12:45	AD14.05	Therapeutic delivery of the immunophilin protein FKBP1, as a novel treatment for obesity and metabolic syndrome	<i>S L Annett (Ireland)</i>
12:45-13:00	AD14.06	Prospective relation between long-term glucocorticoid exposure and incident cardiovascular diseases in a large population based cohort: results from the Lifelines cohort study	<i>E S Van Der Valk (Netherlands)</i>



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20 MAY 2023, SATURDAY

TRACK 1

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TRACK 3

TRACK 4

11:30-13:00	T3 - Socioeconomic Position		ROOM: LIFFEY HALL 1
	Chairs: Britt Jensen (Denmark), Nicola Heslehurst (UK)		
11:30-12:00	TS15.01	Social disparities in child and adolescent obesity	<i>K Jenner (UK), T Lobstein (UK)</i>
12:00-12:30	TS15.02	Social determinants of child and adolescent health	C Summerbell (UK)
12:30-13:00		Impact of early life SEP on obesity	S Sebert (Finland)
13:00-13:45	CLOSING PLENARY SESSION		ROOM: LIFFEY HALL 1
	Chairs: Paulina Nowicka (Sweden), Cathy Breen (Ireland)		
		Obesity clinical trial research: avoiding pitfalls, embracing excellence	<i>J Higgins (UK)</i>
13:45-14:15	Closing Ceremony and Abstract Award Presentation		ROOM: LIFFEY HALL 1
	Chairs: Grace O'Malley (Ireland), Cathy Breen (Ireland), Luca Busetto (Italy)		

CLOSING REMARKS



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INDUSTRY SPONSORED SATELLITE SYMPOSIA



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INDUSTRY SPONSORED SATELLITE SYMPOSIA

Industry Sponsored Satellite Symposia are sessions that are planned and conducted by the corporate community in conjunction with ECO2023.

They provide attendees with additional educational/informational opportunities but are not part of the official ECO2023 scientific programme.

BOEHRINGER INGELHEIM

Date : Wednesday, 17 May 2023

Time : 16:15-17:45



16:15-17:45	What Matters to Patients: Metabolic Health Beyond Weight Loss	ROOM: LIFFEY HALL 1
16:15-16:20	Introduction	<i>J Halford (UK)</i>
16:20-16:35	Obesity and Current Unmet Needs	<i>F Cody Stanford (US)</i>
16:35-16:50	Patient Reported Outcomes	<i>S Birney (Ireland)</i>
16:50-17:05	The Concept of Mono, Dual & Triple Agonists	<i>L Kaplan (US)</i>
17:05-17:20	Emerging Clinical Data in GCGR/GLP-1R Agonism	<i>F Knop (Denmark)</i>
17:20-17:45	How will Emerging Data and PROs Impact Obesity Management?	<i>Panel Discussion</i>

Organised by Radcliffe Medical Education.

EASO 23 IME Symposium: What Matters to Patients: Metabolic Health Beyond Weight Loss' program: Boehringer Ingelheim (BI) has provided funding for this program. BI has had no input into the agenda, presentations or collateral content. Radcliffe Medical retains full and sole editorial control. It is not intended for healthcare professionals based in the UK or Ireland.

ECO 2023 | JOIN US FOR THIS LIVE SYMPOSIUM!

What Matters to Patients: Metabolic Health Beyond Weight Loss

Chaired by Prof Jason Halford, this symposium will guide us through the evolving landscape of metabolic health management in obesity.

LEARNING OBJECTIVES

- Describe global incidence of obesity and limitations of existing pharmacological approaches
- Recall pre-clinical data for emerging dual GLP-1/GCGR agonists in obesity
- Recall clinical and safety data from dual GLP-1/GCGR agonists in obesity
- Discuss the potential clinical impact of novel obesity agents such as dual GLP-1/GCGR and triple GLP-1/GCGR/GIP agonists
- Describe a standardised approach toward patient reported outcomes in obesity



17 MAY 2023 | 16:15 - 17:45 IST
LIFFEY HALL 1

With Prof Jason Halford, Dr Lee Kaplan, Prof Filip Knop,
Dr Fatima Cody Stanford and Susie Birney



FIND OUT MORE



Organised by Radcliffe Medical Education
EASO 23 IME Symposium: What Matters to Patients: Metabolic Health Beyond Weight Loss' program: Boehringer Ingelheim (BI) has provided funding for this program. BI has had no input into the agenda, presentations or collateral content. Radcliffe Medical retains full and sole editorial control. It is not intended for healthcare professionals based in the UK or Ireland.



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INDUSTRY SPONSORED SATELLITE SYMPOSIA

CURRAX PHARMACEUTICALS LLC



Date : Wednesday, 17 May 2023

Time : 16:15-17:45

16:15-17:45	Topic Session: "One Size Does Not Fit All: Evolving Approaches to Optimize Obesity Pharmacotherapy"	ROOM: LIFFEY A
16:15-16:20	Introduction- One Size Does Not Fit All: Evolving Approaches to Optimize Obesity Pharmacotherapy	M Kyle (US)
16:20-16:45	Anti-Obesity Medications	C Le Roux (Ireland)
16:45-17:10	Precision Medicine for Obesity: New Tools to Enhance Weight Loss	A Acosta (US)
17:10-17:30	Presentation and Discussion of Patient Case Studies	A Acosta (US), C Le Roux (Ireland)
17:30-17:45	Q&A	



17-20 May, 2023
Dublin, Ireland

The Convention Centre Dublin
Liffey A

Wednesday, 17 May 2023
16:15 – 17:45 GMT



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MYS-0271-001 03/23

PLEASE JOIN US TO DISCUSS

One Size Does Not Fit All: Evolving Approaches to Optimize Obesity Pharmacotherapy

A Discussion Featuring:



Dr. Andres Acosta

Assistant Professor of Medicine
Mayo Clinic
Rochester, MN USA



Professor Carel le Roux

Metabolic Medicine
University College Dublin, Ireland



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INDUSTRY SPONSORED SATELLITE SYMPOSIA

RHYTHM PHARMACEUTICALS



Date : Friday, 19 May 2023

Time : 13:15-14:45

13:15-14:45	Hyperphagia and early-onset, severe obesity: What does good multidisciplinary team (MDT) care look like for patients living with MC4R pathway diseases?	ROOM: LIFFEY HALL 1
13:15-13:20	Welcome and introductions.	<i>C Le Roux (Ireland)</i>
13:20-13:30	Understanding hyperphagia - what does it mean to be genetically hungry?	<i>C Le Roux (Ireland)</i>
13:30-13:45	The MC4R pathway - genetic impairments: a root cause of hyperphagia and early-onset, severe obesity.	<i>S Farooqi (UK)</i>
13:45-14:00	Bardet-Biedl Syndrome - the real-life burden of hyperphagia on patients and caregivers.	<i>E Forsythe (UK)</i>
14:00-14:10	The importance of early diagnosis and genetic testing.	<i>C Le Roux (Ireland), S Farooqi (UK), E Forsythe (UK)</i>
14:10-14:25	What does good MDT care look like for patients living with MC4R pathway diseases?	<i>C Le Roux (Ireland), S Farooqi (UK), E Forsythe (UK)</i>
14:25-14:40	Q&A	
14:40-14:45	Summary and close.	<i>C Le Roux (Ireland)</i>

INVITATION



DATE
19 May 2023
TIME
13:15 -14:45
LOCATION
Liffey Hall 1

European Congress on Obesity
Rhythm Satellite Symposium
ECO 2023



Hyperphagia and early-onset, severe obesity: What does good multidisciplinary team (MDT) care look like for patients living with MC4R pathway diseases?

We look forward to welcoming you to this dynamic, discussion-based session.
For more details and to stay updated with the latest symposium information,
visit www.Path4HCPs.com

 TOPIC	 SPEAKER
Welcome and introductions	All Moderated by: Prof. Carel Le Roux
Understanding hyperphagia – what does it mean to be genetically hungry?	Prof. Carel Le Roux
The MC4R pathway – genetic impairments: a root cause of hyperphagia and early-onset, severe obesity	Prof. Sadaf Farooqi
Bardet-Biedl Syndrome – the real-life burden of hyperphagia on patients and caregivers	Dr. Elizabeth Forsythe
The importance of early diagnosis and genetic testing	All Moderated by: Prof. Carel Le Roux
What does good MDT care look like for patients living with MC4R pathway diseases?	All Moderated by: Prof. Carel Le Roux
Q&A	All Moderated by: Prof. Carel Le Roux
Summary and close	Prof. Carel Le Roux

This discussion is intended for HCPs only and a Rhythm Pharmaceuticals medicinal product may be discussed at the symposium.

Adverse events should be reported. Reporting forms and information in ROI can be found at www.hpra.ie, and in the UK at <https://yellowcard.mhra.gov.uk>. Adverse events should also be reported to Rhythm Pharmaceuticals on medinfo@rhythmtx.com. Copies of the Summary of Product Characteristics or Prescribing Information for the UK and Ireland are [here](#).

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at **booth 7** to learn more.



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ABSTRACTS



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PLENARY LECTURE



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PLENARY LECTURE

PL1	Social justice and health equity <i>Michael Marmot</i>
PL2	Innovative and sustainable approaches to tackling obesity, other noncommunicable diseases and their risk factors in the WHO European Region <i>Kremlin Wickramasinghe, Stephen Whiting, Selina Dagless, Holly Rippin, Olga Andreeva, Regina Malykh, Julianne Williams</i>
PL3	Precision medicine in diabetes and obesity <i>Ewan Pearson</i>
PL4	Adolescent health and obesity <i>Russell Viner</i>
PL5	Obesity clinical trial research: avoiding pitfalls, embracing excellence <i>Julian Higgins</i>



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TOPIC SESSIONS



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TOPIC SESSIONS

- TS01.01** **Clustering of phenotypes- towards personalized interventions**
Ellen Blaak
- TS01.02** **Role of the upper gut in metabolic diseases**
Giultrude Mingrone
- TS01.03** **Baseline gene expression in subcutaneous adipose tissue predicts diet-induced weight loss in individuals with obesity**
Ali Oghabian, Birgitta W Van Der Kolk, Pekka Marttinen, Armand Valsesia, Dominique Langin, Wim H Saris, Arne Astrup, Ellen E Blaak, Kirsi H Pietiläinen
- TS01.04** **Phenotype Tailored Lifestyle Intervention on Weight Loss and Cardiometabolic Risk Factors in Adults with Obesity: Results from a 12-week Clinical Trial**
Lizeth Cifuentes, Wissam Ghusn, Fauzi Feris, Alejandro Campos, Daniel Sacoto, Alan De La Rosa, Maria D Hurtado, Matthew M Clark, Donald D Hensrud, Andres Acosta
- TS02.01** **How are we progressing with our whole systems approaches to obesity prevention?**
James Nobles
- TS02.02** **Using AI to explore how the environment and health interact**
Jeroen Lakerveld
- TS02.03** **Environmental determinants of physical activity and obesity**
Jean-Michel Oppert
- TS03.01** **Support for parents in communicating with children about weight**
Fiona Gillison, Elisabeth Grey
- TS03.02** **Diet- and weight-related outcomes of the HOME Plus and NU-HOME randomized controlled trials to prevent childhood obesity through family meals**
Jayne A Fulkerson
- TS03.03** **Family dynamics and communication**
Paulina Nowicka
- TS04.01** **Approach to Pharmacotherapy for Obesity: The Path Forward**
Sue D Pedersen
- TS05.01** **Mitochondrial Dysfunction in Obesity - From Cell to Organ Dysfunction**
Kirsi H Pietiläinen
- TS05.02** **Revisiting the importance of mitochondrial bioenergetics in obesity-related insulin resistance**
Graham Holloway
- TS05.03** **Dietary nitrate mitigates gut dysbiosis as a key mechanism to prevent glucose intolerance and cardiac dysfunction in high-fat diet-fed mice**
Heather L. Petrick, Leslie M. Ogilvie, Herver S. Brunetta, Avery Robinson, Rachel M. Handy, Aleah J. Kirsh, Pierre Andre Barbeau, Bridget Coyle Asbil, Connor Gianetto Hill, Kaitlyn M.J.H. Dennis, Luc J.C. van Loon, Jonathan D. Schertzer, Emma Allen Vercoe, Jeremy A. Simpson, Graham P. Holloway
- TS05.04** **CETP expression increases body metabolism at both thermoneutrality and cold exposure contributing to a leaner phenotype**
Helena C.F. Oliveira, Julia Z Castelli, Helena F Raposo, Pedro A S Nogueira, Licio A Velloso, Claudia D C Navarro, Marina R Sartori, Anibal Eugenio Vercesi
- TS06.01** **Addressing individual determinants of food insecurity.**
Elena Grimaccia
- TS06.02** **Consumer attitudes and behaviours towards more sustainable diets: a scoping review**
Tara A Kenny, Jayne V Woodside, Ivan J Perry, Janas M Harrington



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TOPIC SESSIONS

- TS06.03 Long term effects of COVID-19 lockdown on people with obesity-TURK-COM Study**
Dilek Yazıcı, Seda Sancak, Sinem Kıyıcı, Mehmet Sargin, Feray Akbaş, Taner Bayraktaroğlu, Kubilay Karsıdağ, Dilek Yavuz, Hasan İlkova, Volkan Yumuk
- TS07.01 Exercise physiology in children and adolescents with obesity**
Alan Robert Barker
- TS07.02 Implementing activity policy for all (children and vulnerable groups)**
Catherine B. Woods
- TS07.03 Physical activity in children: How are we doing and what can we do to prevent disease**
Russ Jago
- TS08.01 The role of multidisciplinary treatment in the era of effective pharmacology. Do new obesity medications reduce the need for MDT support in obesity treatment?**
Carel W Le Roux
- TS08.02 Effective obesity treatment requires holistic intervention, rehabilitation and support in conjunction with pharmacotherapy**
Cathy Breen
- TS09.01 Adipocyte fibrosis: An hallmark of deteriorated cardiometabolic health**
Karine Clément, Geneviève Marcelin
- TS09.02 Role of adipose-derived ApoM in adipose tissue inflammation**
Laurie Frances, Mikael Croyal, Soline Pittet, Milan Boulaire, Cédric Moro, Christina Christoffersen, Geneviève Tavernier, Nathalie Viguerie
- TS09.03 Pathological remodeling and functions of white adipose tissue in weight loss consecutive to obesity**
Clémentine Rebiere, Christine Rouault, Fatiha Merabtene, Karine Clément, Geneviève Marcelin
- TS10.01 Understanding the commercial determinants of dietary health: Recent evidence and priorities for action**
Cecile Knaj, Laurence Blanchard, Cherry Law, Stephanie Ray, Matt Egan, Mark Petticrew, Harry Rutter, María Jesús Vega-Salas, Julia Bidonde, Gemma Bridge
- TS10.02 Insights into the economic globalisation and arrangements that underpin the commercial determinants of health**
Sharon Friel
- TS10.03 How is "big tech" influencing our eating behaviours and health?**
Travis Masterson
- TS11.01 Multi-disciplinary treatment of children and adolescents with obesity - experiences from Norway**
Pétur Benedikt Júlíusson
- TS11.02 'Bariatric surgery for adolescent obesity**
Jill Hamilton
- TS12.01 Bariatric Surgery in adolescents with Mental Health Disorders**
Kajsa Jarvholm
- TS12.02 Eating disorders - Influence and considerations for obesity treatment**
Hiba Jebelle
- TS12.03 Liraglutide 3.0 mg and Mental Health: Can Psychiatric Symptoms Predict Adherence to Therapy?**
Maria Letizia Petroni, Silvia Tempia Valenta, Michele Stecchi, Federica Perazza, Anna Rita Atti
- TS12.04 Hypoglycemia during extended oral glucose tolerance test in non-diabetic obese subjects according to binge eating and food addiction**
Marianna Rania, Elvira Anna Carbone, Mariarita Caroleo, Francesca Condoleo, Franco Arturi, Cristina Segura Garcia



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TOPIC SESSIONS

- TS13.01** **What do we learn regarding mechanisms of obesity interventions when we study food intake behaviors in rodents and humans?**
[*Alan C Spector*](#)
- TS13.02** **Aerobic Exercise Training in Overweight, Young Adults does not Induce Weight Loss but Causes a Reduction in Resting Metabolic Rate**
[*Tzachi Knaan, Eylam Ziv Av, Gal Dubnov Raz, Edward Melanson, Yftach Gepner*](#)
- TS13.03** **Basal Metabolic Rate among individuals living with overweight or obesity: The value of predictive equations**
[*Kristof Pol Steffi Van Dessel, An Verrijken, Christophe De Block, Ann Verhaegen, Frida Peiffer, Luc Van Gaal, Cindy De Wachter, Eveline Dirinck*](#)
- TS14.01** **Intentional Weight Loss to Treat Uterine Cancer**
[*Donal Brennan*](#)
- TS14.02** **A systematic review of obesity as a barrier to accessing cancer screening services**
[*Yitka N H Graham, Catherine Hayes, Julie Cox, Mahawar K Kamal, Fox Ann, Yemm Heather, Yitka Graham*](#)
- TS15.01** **Social disparities in child and adolescent obesity**
[*Tim Lobstein, Tim Lobstein, Tim Lobstein, Katharine Jenner*](#)
- TS15.02** **Evidence from trials of interventions to prevent childhood obesity: what is most likely to decrease health inequalities and why?**
[*Carolyn D Summerbell*](#)



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ACCEPTED
SYMPOSIUM



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ACCEPTED SYMPOSIUM

- AS1.01** **How do you select the right PROM?**
Claire De Vries, Phillip Dijkhorst, Ignace Janssen, Ronald Liem, Bart Van Wagenveld, Valerie Monpellier
- AS1.02** **Development of a standard set for patient reported outcome measures in obesity treatment research: outcomes of the S.Q.O.T. consensus meetings**
Phillip Jacobus Dijkhorst, Claire De Vries, Caroline B. Terwee, Ignace Janssen, Ronald Liem, Bart Van Wagenveld, Valerie M. Monpellier
- AS1.03** **Symposium: Integrating the patients' perspective in obesity care: using patient-reported outcome measures in clinical and research setting. Abstract title: Panel discussion: use of patient reported outcome measures (PROMs) in research**
Phillip Jacobus Dijkhorst, Stuart William Flint, Maarten M. Hoogbergen, Alend Saadi, Sandra De Blaeij
- AS1.04** **A standard set of Patient Reported Outcome Measures to use in clinical practice for obesity treatment: outcomes of the S.Q.O.T. III multidisciplinary consensus meeting**
Phillip Jacobus Dijkhorst, Caroline B. Terwee, Ignace Janssen, Ronald Liem, Valerie M. Monpellier, Bart Van Wagenveld, Claire De Vries
- AS1.05** **Symposium: Integrating the patients' perspective in obesity care: using patient-reported outcome measures in clinical and research setting. Abstract title: Panel discussion: use of patient reported outcome measures (PROMs) in clinical practice**
Sally Abbott, Bruno Halpern, Bernardo Rea Ruanova, Natasja Wijling, Phillip Jacobus Dijkhorst
- AS1.06** **Symposium: Integrating the patients' perspective in obesity care: using patient-reported outcome measures in clinical and research setting. Abstract title: Panel discussion: use of patient reported outcome measures (PROMs) in registries**
Phillip Jacobus Dijkhorst, Johan Ottoson, John Morton, Ximena Ramos Salas, Nadya Isack
- AS2** **New approaches to reduce digital marketing exposure to children and adolescents of the WHO European Office for the Prevention and Control of Noncommunicable Diseases (NCD Office)**
Kathrin Hetz, Margarida Bica, Olga Zhiteneva, Emma Boyland, Kremlin Wickramasinghe
- AS3.01** **Current status of obesity in Korean population**
Yang Hyun Kim
- AS3.02** **Application of the CGM in obesity management program**
Sun Joon Moon
- AS4.01** **Core body temperature: a neglected variable in weight regulation and obesity susceptibility**
Abdul G Dullo
- AS4.02** **Does cold exposure increase appetite and food intake in humans?**
Eric Doucet, Kurt Mcinnis, François Haman
- AS4.03** **Are there metabolic benefits of cold exposure?**
Francois Haman
- AS4.04** **Dynamic indoor climate - an opportunity to enhance cardiometabolic health while decreasing building energy use**
Hannah Pallubinsky, Hannah Pallubinsky, Wouter Van Marken Lichtenbelt
- AS5** **The association between paediatric obesity treatment outcome and early adulthood health care utilisation and associated costs - Preliminary findings from a prospective cohort study**
Emilia Hagman, Resthie R Putri, Louise Lindberg, Claude Marcus
- AS6.01** **Impact of the COVID-19 pandemic on the eating habits, physical activity and sedentary behaviours of school-aged children in 13 countries within the WHO European Region: "COSI COVID" Study, 2020-2022**
Ana Isabel Rito, Marta Buoncristiano, Sofia Mendes, Inês Figueira, Shynar Abdrakhmanova, Dilorom Akhmedova, Silvia Ciardullo, Anna Fijałkowska, Andrea Gualtieri, Constanta Huidumac-Petrescu, Natia Kakutia, Enisa Kujundžić, Sanja Musić Milanović, Nabil Seyidov, Lorraine Tabone, Lubica Tichá, Mirjam M. Heinen, Stephen Whiting, Julianne Williams, Ivo Rakovac, Kremlin Wickramasinghe



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ACCEPTED SYMPOSIUM

- AS6.02 Obesity dialogues - fostering policy options in Western Balkans and Central Asia**
Igor Spiroski, Shynar Abdrakhmanova, Ana Isabel Rito, Ivo Rakovac, Mirjam M Heinen, Steve Whiting, Julianne Williams, Kremlin Wickramasinghe
- AS6.03 Train-the-trainer course on Childhood Obesity Management for Primary Care Physicians in the WHO European Region: A pilot project**
Nathalie J. Farpour-Lambert, Julianne Williams, Mirjam Heinen, Shynar Abdrakhmanova, Ana Isabel Rito, Igor Spiroski, Kremlin Wickramasinghe
- AS6.04 Improving data on overweight, obesity and undernutrition among children under the age of 5 years in the WHO European Region**
Kremlin Wickramasinghe, Mirjam M. Heinen, Marta Buoncristiano, Iveta Pudule, Ana Isabel Rito, Angela Spinelli, Wolfgang Ahrens, Elaine Borghi, Monica C Flores-Urrutia, Karen McColl, Franco Sassi, Julianne Williams, Ivo Rakovac
- AS6.05 Implementing policies that work: the WHO/EURO Sugar and Calorie Reduction Network**
Vicki Pyne, Holly Rippin, Victoria Targett, Margarida Bica, Tazeem Bhatia, Kremlin Wickramasinghe
- AS7 How is Obesity in Children and Adolescents Treated in the Real-world? Case-based Examples from Five Health Systems**
Allen F Browne, Claudia Fox, Valerie O'Hara, Jens-Christian Holm, Claudio Maffei, Louise Baur, Grace O'Malley



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ABSTRACT SESSION



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ABSTRACT SESSION

- AD01.01** **Swallowable intragastric balloon program and GLP1 agonist combined treatment for obesity: an international multicenter study**
Roberta Ienca, Laura Ayuso, Maha Shahin
- AD01.02** **Efficient Remote Management of Obesity Pharmacotherapy with an AI-Powered Digital Platform**
Noga Minsky, Roy Eldor, Zvi Rosenmann, Yael Elish, Avraham Karasik
- AD01.03** **A Machine-Learning Driven Model and a Polygenic Risk Score Based on Key Components of Appetite Regulation Predict Weight-Loss Response to Liraglutide**
Lizeth Cifuentes, Tim O'connor, Wissam Ghusn, Alejandro Campos, Alison Mcrae, Elle Kolkin, Maria D. Hurtado, Michael Camilleri, Andres Acosta
- AD01.04** **The Effect of Treatment with a Glucagon-like-peptide-1 Analogue on Metabolic Activity in Adipose Tissue: data from a proof-of-concept PET-CT study**
Cliona O'Donnell, Shane Cilly, Desmond Killick, Odhran Ryan, Jonny Dodd, Andrew Hogan, David Murphy, Donal O'Shea, Silke Ryan
- AD01.05** **Weight outcomes with setmelanotide over 3 years in patients with POMC or LEPR deficiency obesity**
Karine Clément, Martin Wabitsch, Erica Van Den Akker, Jesús Argente, Andrea Navarra, Madhura Srinivasan, Guojun Yuan, Sonali Malhotra, Peter Kühnen
- AD01.06** **A Phase I Study of Single Rising Doses of BI 1820237, a Novel NPY2 Receptor Agonist, Alone or in Combination with Low-dose Liraglutide in Healthy Men with Overweight/Obesity**
Brigitte Kalsch, Nadine Beetz, Thomas Forst, Bernhard Schmid, Armin Schultz, Anita M Hennige
- AD02.02** **Do elderly people with obesity have different barriers, attitudes and perceptions toward obesity and its management when compared to younger PwO? A sub-analysis of ACTION IO study**
Dror Dicker, Assim Affadda, Ian Caterson, Walmir Coutinho, Ada Cuevas, Jason C G Halford, Carly Hughes, Masato Iwabuchi, Jae Heon Kang, Rita Nawar, Ricardo Reynoso, Georgia Rigas, Javier Salvador, Paolo Sbraccia, Verónica Vázquez Velázquez
- AD02.03** **Dual trajectories of body mass index and insomnia symptoms and their associations with changes in perceived cognitive functioning before and after retirement**
Antti Etholén, Anne Kouvonen, Mirja Hänninen, Jenni Kulmala, Ossi Rahkonen, Minna Mänty, Tea Lallukka
- AD02.04** **The age-dependent association of body mass index and metabolic syndrome with frailty: A mixed-effects model approach**
Peggy Ler, Alexander Ploner, Juulia Jylhävä, Deborah Finkel, Anna K Dahl Aslan, Ida K Karlsson
- AD02.05** **Distribution of Direct Healthcare Costs and Obesity-related Complications Among High-cost Individuals Living with Obesity: A UK Retrospective Open Cohort Study**
Jonathan Pearson-Stuttard, Sara Holloway, Kasper Sommer Matthiessen, Andrew Thompson, Silvia Capucci
- AD02.06** **Body mass index and breast cancer risk among post-menopausal women with and without cardiometabolic diseases: evidence from the UK Biobank prospective cohort.**
Emma Fontvieille, Anna Jansana, Laia Peruchet Noray, Vivian Viallon, Pietro Ferrari, Heinz Freisling
- AD03.01** **Exploring a novel cell communication pathway in the adipose tissue for nanomedicine applications in obesity**
Ana Gordon, Maria Del Carmen Soler Vazquez, Maria Dolores Ramirez Alba, Jaime Lopez Alcala, Carmen Tercero Alcazar, Olga Garcia Ruiz, Elena Garrido Rascon, Rocio Guzman Ruiz, Juan Jose Giner Casares, Maria Del Mar Malagon
- AD03.02** **Positive association of aquaporin-7 and brown adipose tissue whitening in experimental obesity: impact of cold exposure and bariatric surgery**
Amaja Rodríguez, Leire Méndez Giménez, Sara Becerril, Beatriz Ramírez, Ana W. Hernández Pardos, Javier A. Cienfuegos, Victor Valentí, Rafael Moncada, Victoria Catalán, Javier Gómez Ambrosi, Inês V. Da Silva, Graça Soveral, Gema Frühbeck



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- AD03.03** **Role of IL-36 γ in the regulation of visceral adipose tissue chronic inflammation**
Victoria Catalán, Javier Gómez Ambrosi, Beatriz Ramírez, Amaia Rodríguez, Sara Becerril, Amaia Mentxaka, Xabier Unamuno, Sofia Criado, Victor Valentí, Rafael Moncada, Gabriel Reina, Camilo Silva, Gema Frühbeck
- AD03.04** **The role of Coiled-Coil-Helix-Coiled-coil-Helix Domain 10 (CHCHD10) in adipocyte biology**
Xiaoping Wu, Zixuan Zhang, Jiuyu Zong, Lufengzi Yuan, Aimin Xu, Ruby Laichong Hoo
- AD03.05** **The role of prk1 serine/threonine kinase in resistance to human insulin and type 2 diabetes mellitus associated with obesity**
Albert Lecube, Fernando Herrerías, Marta Bueno, Maricruz De La Fuente, Maite Santamaría, Raquel Martí, Martha Zorzano, Raquel Ruano, Ana Gloria Soler, Carolina López Cano, Andre Yeramian
- AD03.06** **Effect of PPAR α deletion specifically in brown adipocytes on adipocytes biology**
Pierre-Louis Batrow, Nadine Gautier, Nathalie Rochet, Samah Rekima, Marielle Maret, Isabelle Mothe Satney, Ez Zoubir Amri
- AD04.01** **Combining evidence synthesis with policy options mapping to inform obesity policy development in Northern Ireland**
Jenny Mack, Ciara Marie Edel Reynolds, Helen Mcavoy
- AD04.02** **A whole systems approach to obesity prevention: a rapid synthesis of evidence to inform the Northern Ireland Obesity Prevention Strategy Project Board**
Gavin Breslin, Wendy Wills, Laura McGowan, Jenny Mack, Ciara Reynolds, Helen Mcavoy
- AD04.03** **Changes in recommended strategies and the prevailing obesity narrative expressed within Australian obesity policies over the last 25 years**
Kiri Kondou, Doaa Alsaidi, Tim Gill
- AD04.04** **Is Calorie Labelling an Equitable and Effective Obesity Policy? Triangulating evidence**
Eric Robinson, Andrew Jones
- AD04.05** **Harmonizing indicators of diet and physical activity to monitor obesity in pan-European surveillance**
Antje Hebestreit, Stefanie Do, Maïke Wolters, Gert B Mensink, Karim Abu Omar, Sven Messing, Agnieszka Neumann Podczaska, Katarzyna Wieczorowska Tobis, Wolfgang Ahrens, Celine Murrin
- AD04.06** **Can local action impact effectively on determinants of healthy weight? Lessons from Scotland**
Robin Ireland, Lorraine Tulloch
- AD05.01** **Liraglutide and naltrexone/bupropion similarly improve body composition, glycemia, liver and endothelial health in patients with obesity: results from a comparative 6-month longitudinal study**
Georgia Argyrakopoulou, Sofia K. Konstantinidou, Stamatiá Simati, Konstantinos Stefanakis, Christina Chelmi, Nikos Bontozoglou, Konstantina Kyriakopoulou, Christos S. Mantzoros, Alexander Kokkinos
- AD05.03** **Effect of liraglutide 3.0 in different abdominal fat layers measured by ultrasound. The importance of perirenal fat**
Guillem Cuatrecasas, Guillem Cuatrecasas, Francisco De Cabo, Concepción Conchillo, Marta Calbo, Olga Rossell, Laia Dachs, Aguilar Gerardo, Maria Jose Coves, Ioana Patrascioiu, Iñaki Marina, Sonia March, Camila Benito, Peitx Monica, Elena Muñoz
- AD05.04** **Utility of novel glucagon-like peptide-1 receptor agonists as anti-obesity medications in liver transplant recipients**
Seth Henry Richardson, Gunther Wong, Manhal Izzy, Gitanjali Srivastava
- AD05.05** **Efficacy and safety of once weekly semaglutide 2.4 mg for weight management in a predominantly Asian population with overweight or obesity in the STEP 7 randomised clinical trial**
Yiming Mu, Xiaolei Bao, Freddy G. Eliaschewitz, Morten Rix Hansen, Bom Taeck Kim, Anna Koroleva, Ronald C.W. Ma, Tao Yang, Ning Zu, Ming Liu



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- AD05.06** **Time to Weight Plateau with Tirzepatide Across BMI Categories in SURMOUNT-1**
Rachel L Batterham, Clare J Lee, Dachuang Cao, Nadia N Ahmad, Mathijs C Bunck, Adam Stefanski, Luis Emilio Garcia Pérez, Julia P Dunn
- AD06.01** **Natural History of Congenital Deficiency of Leptin and its Receptor - A Population Based Study**
Sadia Saeed, Roohia Khanam, Jaida Manzoor, Qasim M Janjua, Lijiao Ning, Hina Ayesha, Waqas I Khan, Stephen O'rahilly, Amélie Bonnefond, Taeed A Butt, Muhammad Arslan, Philippe Froguel
- AD06.02** **Evaluation of clinical benefit following setmelanotide treatment in patients with Bardet-Biedl syndrome**
Andrea M. Haqq, Wendy K. Chung, Hélène Dollfus, Anoop Iqbal, Gabriel Á. Martos Moreno, Christine Poitou, Jack A. Yanovski, Sonali Malhotra, Elizabeth Forsythe, Karine Clément, Jesús Argente
- AD06.03** **Lifestyle Habits, Weight Status and Body Composition in Treatment Naïve Transgender/Gender Diverse Adolescents**
Ophir Borger, Anat Segev Becker, Michal Yackobovitch Gavan, Avivit Brenner, Tamar Sheppes, Liat Perl, Asaf Oren, Yael Lebenthal
- AD06.04** **Reducing BMI below the obesity threshold in adolescents treated with once-weekly subcutaneous semaglutide 2.4 mg: a post-hoc analysis from the STEP TEENS randomised controlled trial**
Aaron Kelly, Silva Arslanian, Dan Hesse, Aske Thorn Iversen, Antje Körner, Signe Schmidt, Rasmus Sørrig, Daniel Weghuber, Ania M. Jastreboff
- AD06.05** **Diminished Glucagon Suppression and Reduced GLP-1 Response to Oral Glucose in Children and Adolescents with Obesity and Insulin Resistance**
Sara Elizabeth Stinson, Ieraí Fernández De Retana Alzola, Emilie Damgaard Brüner Hovendal, Morten Asp Vonsild Lund, Cilius Esmann Fonvig, Louise Aas Holm, Anna E. Jonsson, Christine Frithioff Bøjsøe, Michael Christiansen, Oluf Pedersen, Lars Ångquist, Thorkild I.a. Sørensen, Jens Juul Holst, Bolette Hartmann, Jens Christian Holm, Torben Hansen
- AD06.06** **Optimising Praxis-oriented Obesity Research with Storytelling: Co-creating Health Professional Communication Training with PPI**
Maeve O'Brien, Walter Eppich, Claire Mulhall, Claire Condron, Grace O'Malley
- AD07.01** **Polygenic risk of obesity and BMI trajectories in twin pairs from Finland: A 36-year follow-up**
Bram Bertzen, Teemu Palviainen, Kirsi Pietiläinen, Jaakko Kaprio
- AD07.02** **Genetically and environmentally predicted obesity in relation to risk of cardiovascular disease**
Elsa Ojalehto, Yiqiang Zhan, Julia Jylhävä, Chandra A. Reynolds, Anna K Dahl Aslan, Ida K. Karlsson
- AD07.03** **BMI across adulthood, COVID-19 and long COVID in two British birth cohorts**
Charis Bridger Staatz, David Bann, George Ploubidis B Ploubidis, Alissa Goodman, Richard J Silverwood
- AD07.04** **Built environment and the incidence of adult obesity in Catalonia, Spain: a large population-based cohort study**
Matthew Bennett, Jeroen De Bont, Mark Nieuwenhuijsen, Talita Duarte Salles
- AD07.05** **Long-term Modelling of Obesity: Methods, Outcomes and Implications for Economic Evaluation and Policies - a Systematic Review**
Samira Barbara Jabakhanji, Fabian Manke-Reimers, Annika Hohmann, Rosemarie McGee, Grace O'Malley, Diana Sonntag
- AD07.06** **The psychological scarring effects of past obesity and increased risk of mortality: evidence from two epidemiological cohort studies**
Eric Robinson, I Gusti Ngurah Edi Putra, Michael Daly, Angelina Sutin, Andrew Steptoe
- AD08.01** **Metabolic profiles reflect weight loss maintenance and the composition of diet after very-low-energy diet**
Mari Näätänen, Anna Kärlund, Santtu Mikkonen, Anton Klävus, Otto Savolainen, Marko Lehtonen, Leila Karhunen, Kati Hanhineva, Marjukka Kolehmainen



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- Mediterranean diet preserves kidney function in patients with obesity and type 2 diabetes: from the CORDIOPREV study**
AD08.02 *Alicia Podadera Herreros, Francisco Miguel Gutiérrez Mariscal, Juan Francisco Alcalá Díaz, Ana Ojeda Rodríguez, Antonio Pablo Arenas De Larriva, Esther Porras Pérez, Javier Delgado Lista, José Lopez Miranda, Elena María Yubero Serrano*
- Sarcopenia is associated with mild cognitive impairment in young patients living with obesity**
AD08.03 *Marta Comas, Enzamaría Fidalio, Vanesa Flores, Fiorella Palmas, Pilar Costa, Alba Rojano, Andreea Ciudin*
- The Tirzepatide Clinical Development Program: Rationale and Design of the SURMOUNT Trials**
AD09.01 *Carel W Le Roux, Nadia N Ahmad, Julia P Dunn, Shuyu Zhang, Mathijs C Bunck*
- Tirzepatide for the Treatment of Obesity: the SURMOUNT-1 Clinical Trial**
AD09.02 *Louis J Aronne, Ania M Jastreboff, Adam Stefanski, Shuyu Zhang, Mathijs Bunc, Luis Emilio García Pérez, Nadia N Ahmad*
- Nutrient-stimulated hormone-based therapeutics in development: A focus on orforglipron and retatrutide**
AD09.03 *Ania M. Jastreboff, Tamer Coskun, Edward Pratt, Christof Kazda, Zvonko Milicevic*
- Sleep timing behaviour, sleep duration and adherence to obesogenic dietary patterns in the transition from pre-school to school age: results from the birth cohort Generation XXI**
AD10.01 *Sofia Vilela, Andreia Oliveira*
- Residential greenness and childhood BMI trajectories from birth to 7 years of age**
AD10.02 *Hanna Lagström, Mirikka Lahdenperä, Carlos Gonzales Inca, Samuli Rautava, Jaana Pentti, Jussi Vahtera*
- Impact of early exposure to traffic-related air pollution on the developmental trajectories of body mass index: New findings from the PARIS birth cohort**
AD10.03 *Riem Nur, Céline Roda, Léa Lefebvre, Isabelle Momas*
- Trends in childhood body mass index status across 67 years of measurement: A cohort study**
AD10.04 *Julie Aarestrup, Dorthe C Pedersen, Lise G Bjerregaard, Britt W Jensen, Katja B Leth Møller, Rikke K Jacobsen, Will Johnson, Jennifer L Baker*
- The experience of height and weight screening and the association with body image among children in Norwegian elementary schools**
AD10.05 *Tove L. Drilen, Trine T. Eik Nes, Ellen M.i. Ersfjord, Christian A. Klöckner, Rønnaug A. Ødegård*
- Burden of Obesity-related Complications in Adolescents Living with Overweight and Obesity: A Retrospective Open Cohort Study in a UK Real-world Population**
AD10.06 *Jonathan Pearson-Stuttard, Sara Holloway, Kasper Sommer Matthiessen, Andrew Thompson, Silvia Capucci*
- Industry responses to the work of those involved in exposing the harmful practices of corporations**
AD11.01 *Mélissa Mialon, Karen Evans Reeves, Britta Matthes, Phil Chamberlain, Anna Gilmore, Nino Paichadze*
- Evaluating fourteen interventions promoting the selection of lower-calorie options in food delivery apps: Results from three randomised controlled trials**
AD11.02 *Filippo Bianchi, Madison Luick, Lauren Brandy, Jonathon Bone, Stefan Kelly, James Farrington, Jovita Leung, Abigail Mottershow, Filip Murar, Bobby Stuijzand, Frances Bain, Susan A. Jebb, Hugo Harper, Rachel Pechey, Anna Keleher*
- Neighbourhood safety is associated with more weight loss and reduction in waist circumference during a combined lifestyle intervention for patients living with obesity**
AD11.03 *Boëlle Brouwer, Susanne Kuckuck, Renate Meeusen, Mostafa Mohseni, Elisabeth F.C. Van Rossum*
- Understanding Socioeconomic Inequalities in Body Mass Index and Body Composition through Interactions between Internalising/Externalising Symptoms and Environmental Conditions**
AD11.04 *Charis Bridger Staatz, Yvonne Kelly, Rebecca E Lacey, Rebecca Hardy*



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- AD11.05** **Inhabitants' perspectives about the current healthy weight approach activities and facilities in five Dutch low SEP neighborhoods**
Maud Ter Bogt, Kris Bevelander, Yentl Te Riele, Gerard Molleman, Maria Van Den Muijsenbergh, Gerdine Fransen
- AD11.06** **The Prominence of Healthy and Unhealthy Food in Supermarkets in Urban Ireland**
Sinead O' Mahony, Aideen McCann, Nuala Collins, Gerardine Doyle, Kevin Burke, Adrian Moore, Eileen R Gibney
- AD12.01** **Children's Overall Exposure to High Fat, Sugar and Salt Food and Non-alcoholic Beverage Marketing in the UK**
Emma Boyland, Kira Spooner, Jean Adams, Kathryn Backholer, Asim Bhatti, Bridget Kelly, Jordan Maclean, Monique Potvin Kent, Richard Purves, Mimi Tatlow Golden, Kelly Wallace, Paul Christiansen
- AD12.02** **The restaurant industry's charitable activities: What do children aged 9-17 years think of them and what's their potential effect on children's purchasing behaviours?**
Elise Pauzé, Monique Potvin Kent, Leia Minaker
- AD13.01** **Association between incidence of type 2 diabetes and mortality in patients with obesity: up to 30 years follow-up of the Swedish Obese Subjects study**
Kajsa Sjöholm, Magdalena Taube, Per-Arne Svensson, Johanna C Andersson-Assarsson, Felipe M Kristensson, Peter Jacobson, Björn Carlsson, Markku Peltonen, Lena M S Carlsson
- AD13.02** **Prevalence of fatty liver disease associated with metabolic dysfunction, concordance between biopsy and non-invasive methods, and predictive factors of remission 3 years after bariatric surgery**
Albert Lecube, Núria Mestres, Enric Sánchez, Raquel Martí, Martha Zorzano, Maricruz De La Fuente, Carolina López Cano, Ana Gloria Soler, Maite Santamaría, Josep León, Fernando Herrerías, Marta Bueno
- AD13.03** **Weight regain following bariatric surgery and In vitro fertilization outcomes**
Ronit Machtinger, Bar Zemer Tov, May Igawa, Gabriella Lieberman, Raoul Orvieto, Tomer Ziv Baran
- AD13.04** **The impact of lifestyle modification program delivered before bariatric surgery in preventing long-term weight regain after surgery: A 5-year follow-up study**
Marwan El Ghoch, Salvatore Vaccaro, Leila Itani, Francesca Scazzina, Stefano Bonilauri, Concetta Maria Cartelli, Massimo Pellegrini
- AD13.05** **Post-prandial hyperinsulinemic hypoglycemia after Roux-en-Y-gastric bypass: 20 years of experience in a tertiary center**
Flores Escobar Vanesa Paola, Cordero Vasquez Efrain, Comas Martinez Marta, Hernandez Hernandez Irene, Fidilio Enzamaría, Sanchez Perez Marta, Vilallonga Ramón, Ciudin Mihai Andreea
- AD13.06** **Effects of Bariatric Surgery on Muscular Function, Metabolic Profile and Bone Mineral Density in Women with Obesity and Positive Parameters for Sarcopenia: a one-year follow-up**
Nara Nóbrega Crispim Carvalho, Heloisa Calegari Borges, Nariane Chaves Pereira Holanda, Caio Chaves De Holanda Limeira, Adélia Da Costa Pereira De Arruda Neta, Vinicius José Baccin Martins, João Modesto Filho, Flávia Cristina Fernandes Pimenta, José Luiz De Brito Alves, Vinicius Almeida Da Nóbrega



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- AD14.01** **Effects of a chronic intake of the natural sweeteners erythritol and xylitol on vascular function, abdominal fat and glucose tolerance in patients with obesity**
Valentine Bordier, Fabienne Teyssere, Jürgen Drewe, Philipp Madörin, Oliver Bieri, Arno Schmidt Trucksäss, Christoph Beglinger, Bettina K. Wölnerhanssen, Anne Christin Meyer Gerspach
- AD14.02** **The HDL proteome as a novel biomarker of metabolic health in obesity**
Weili Guo, Yvonne Lenighan, Eugene Dillon, Sean Curley, Marcella O'reilly, Arimin Mat, James Gibney, Andrew Hogan, Stephen Pennington, Donal O'shea, Helen M Roche, Fiona C Mcgillcuddy
- AD14.03** **Saturated fat increases inflammation, lipid metabolism and oncogenic signaling in obesity-linked oesophageal cancer to a greater extent than monounsaturated fat**
Kathleen A.J. Mitchelson, Fiona O'Connell, Kieran Wynne, David Matallanas, Jacintha O'sullivan, Helen Roche
- AD14.04** **Natural killer cells in children & adults with obesity, from dysregulation to restoration**
Conor De Barra, Nidhi Kedia Mehta, Laura Tobin, Michelle Sugrue, Mohammed Khalil, Cliona O' Donnell, David K Finlay, Declan Cody, Donal O' Shea, Andrew E. Hogan
- AD14.05** **Therapeutic delivery of the immunophilin protein FKBP1, as a novel treatment for obesity and metabolic syndrome**
Stephanie Louise Annett, Amy Short, Ananya Shankar Pushpa, Andy Hogan, Declan Cody, Donal O'shea, Rachel Bennett, Ciaran Campbell, Gianpiero Cavalleri, Helen Mccarthy, Tracy Robson
- AD14.06** **Prospective relation between long-term glucocorticoid exposure and incident cardiovascular diseases in a large population based cohort: results from the Lifelines cohort study**
Eline S Van Der Valk, Mostafa Mohseni, Anand M Iyer, Maartje J B Van Den Hurk, Robin Lengton, Susanne Kuckuck, Jenny A Visser, Mina Mirzaian, Sjoerd A A Van Den Berg, Elisabeth F C Van Rossum



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- PO1.002 Association of epicardial adipose tissue thickness with ejection fraction in patients with arterial hypertension**
Vladimir Pasechny, Denis Deev, Boris Pinkhasov, Elena Samsonova, Galina Soldatova
- PO1.003 Syndecan-4 (Sdc4) is a novel regulator in white adipose tissue browning for energy expenditure**
Jiuyu Zong, Xiaoping Wu, Xiaowen Huang, Zixuan Zhang, Aimin Xu, Ruby L.C. Hoo
- PO1.004 The role of epicardial adipose tissue, hormones and adipokines in the development of coronary heart disease in men with arterial hypertension**
Vladimir Pasechny, Denis Deev, Boris Pinkhasov, Elena Samsonova, Galina Soldatova, Vera Selyatitskaya
- PO1.005 Fatty acid translocase (Cd36) regulates energy substrate utilisation and insulin signalling in brown adipose tissue in spontaneously hypertensive rats**
Petr Mlejnek, Michal Pravenec, Jan Silhavy, Miroslava Simakova, Hana Malinska, Irena Markova, Martina Huttl
- PO1.006 Humans with Metabolically Active Brown Fat Demonstrate Higher Capacity to Catabolize Branched Chain Amino Acids**
Mueez U Din, Vanessa De Mello Laaksonen, Kati Hanhineva, John Newman, Karsten Kristiansen, Martin Klingenspor, Tobias Fromme, Tarja Niemi, Markku Taittonen, Teemu Saari, Juho Raiko, Pirjo Nuutila, Kirsi A Virtanen
- PO1.007 Single anastomosis duodeno-ileal bypass with sleeve-gastrectomy (SADI-S) in diet-induced obesity: impact on adipose tissue function**
Sara Becerril, Carlota Tuero, Javier A. Cienfuegos, Amaia Rodríguez, Victoria Catalán, Beatriz Ramírez, Víctor Valenti, Rafael Moncada, Xabier Unamuno, Javier Gómez Ambrosi, Gema Frühbeck
- PO1.008 The potential role of protein kinase CK2 in the context of adipogenic differentiation**
Anna Pilatone, Silvia Bettini, Maria Ruzzene, Luca Busetto, Roberto Vettor, Christian Borgo, Gabriella Milan
- PO1.009 Dietary intake of the plasticizer DINCH has effects on the development of obesity in mice**
Sontje Krupka, Kristin Schubert, Ulrike Rolle-Kampczyk, Martin von Bergen, Matthias Blüher, Nora Klötting
- PO1.010 The positive effects on adiposity and the adiponectin/leptin ratio of daily IL-1 RA administration are lost under a high-fat diet in mice**
Laura Salmón-Gómez, Norman Carcaño, Victoria Catalán, Beatriz Ramírez, Amaia Rodríguez, Gabriela Neira, Sara Becerril, Gema Frühbeck, Javier Gómez-Ambrosi
- PO1.011 Different impact of gynoid and android adiposity on adiponectin levels, in patients with severe obesity**
Anca Sirbu, Elisabeta Malinici, Miruna Popa, Iulia Soare, Sorina Martin, Carmen Barbu, Bogdan Smeu, Catalin Copaesuc, Simona Fica
- PO1.012 Androgen-dependent tissue factor pathway inhibitor-regulating protein (ADTRP) regulates adipose inflammation associated with obesity**
Sze Min Ong, Yock Young Dan, Muhammad Shabeer Bin Mohamed Yassin, Asim Shabbir, Delicia Shu Qin Ooi
- PO1.013 Utilising stable isotopes to understand the role and regulation of branched chain amino acid metabolism in adipose tissue**
Martina Wallace, Courtney Green, Pedro Cabrales, Christian Metallo
- PO1.014 Covid-19 infections and/or mRNA vaccination alter gene expressions in human adipose tissue**
Sontje Krupka, Anne Hoffmann, Arne Dietrich, Matthias Blüher, Nora Klötting
- PO1.015 Thermogenic Capacity of Human Supraclavicular Brown Fat and Cold-stimulated Brain Glucose Metabolism**
Mueez U Din, Eleni Rebelos, Teemu Saari, Tarja Niemi, Markku Taittonen, Martin Klingenspor, Lauri Nummenmaa, Pirjo Nuutila, Kirsi A Virtanen
- PO1.016 Role of NLRP3 inflammasome activation in regulation of adipose tissue metabolism**
Hafiz Muhammad Ahmad Javaid, Joo Young Huh
- PO1.017 Epigenetic regulation of SMAD3 in individuals with obesity and after energy restriction-based weight loss**
Andrea G Izquierdo, Marcos C Carreira, Ignacio Sajoux, Daniel De Luis, J Alfredo Martínez, Felipe F Casanueva, Ana B Crujeiras



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- PO1.018** **Extract rich in C-phycoyanin obtained from Spirulina using a greener approach restored serum leptin levels and resistin in mice treated with a hyperlipidic diet**
Artur Francisco Da Silva Neto, Camilly Fratelli, Yasmin Alaby Martins Ferreira, Claudia Maria Oller Do Nascimento, Monica Marques Telles, Anna Rafaela Cavalcante Braga, [Lila Missae Oyama](#)
- PO1.019** **Oxidative stress and inflammation in female Lewis rats depending on the diet and retinoic acid application**
Ivana Ilic, [Robert Mujkić](#), Andela Grgić, Marko Lovrić, Marija Delaš Aždajić, Ivan Lovrić, Nada Oršolić
- PO1.020** **Effects of aerobic, resistance and concurrent training in the white adipose tissue inflammatory status in rats with obesity induced by hyperlipidic diet**
Lidia Passinho Paz Pontes, Fernanda Alves Nakakura, Nelson Inácio Pinto Neto, Valter Tadeu Boldarine, Paloma Korehisa Maza, Felipe Avila, Hanna Karen Moreira Antunes, Ana Damaso, [Lila Missae Oyama](#)
- PO1.021** **Efficacy and safety of acute administration of D-allulose and erythritol in healthy participants**
[Fabienne Teyssere](#), Valentine Bordier, Aleksandra Budzinska, Nathalie Weltens, Christoph Beglinger, Lukas Van Oudenhove, Bettina K. Wölnerhanssen, Anne Christin Meyer Gerspach
- PO1.022** **Control of Feeding Behavior and Body Weight by Hypothalamic Cereblon (CRBN)**
[Jaemin Lee](#), Soojeong Kim, Doo Kyung Kim
- PO1.023** **Action of Ro 60-0175, 5-HT2C receptor agonist, in obese and diabetic Wistar rats**
[Ivaylo Atanasov Bogomilov](#), Nadka Boyadjieva, Rumen Nikolov, Vesela Mihneva, Ivona Daskalova
- PO1.024** **Long-term Stress and Appetite: Associations of Hair Cortisol and Cortisone with Serum Levels of Gastrointestinal Hormones**
[Susanne Kuckuck](#), Robin Lengton, Eline S Van Der Valk, Mostafa Mohseni, Anand M Iyer, Mariëtte R Boon, Sjoerd A. A. Van Den Berg, Elisabeth F.c. Van Rossum
- PO1.025** **Gut microbiota duo to Mediterranean diet are associated with appetite regulation in patients with metabolic syndrome: Gut-Brain Axis**
[Lidia Sanchez Alcohaldado](#), Daniel Castellano Castillo, Soukaina Boutriq, Lucia Aranega Martin, Aurora Laborda Illanes, Isaac Plaza Andrades, Alicia Gonzalez Gonzalez, Maria Isabel Queipo Ortuño
- PO1.026** **Multi-Omics-based Analysis of the Hypothalamic Remodeling in Murine Models of Obesity**
[Tomohiro Tanaka](#), Masafumi Inoue, Katsushi Takeda, Takuhiro Sonoyama, Hiroyuki Koyama, Daisuke Aotani, Kazuwa Nakao
- PO1.027** **Computational determinants of dietary behavior in obesity**
Joseph Alexandre Heng, Chloé Joray, Désirée Popelka, David Herzig, Rafael Polania, [Lia Bally](#)
- PO1.028** **Cognitive decline is associated with low muscle mass and gait speed and with decreased BMI and adiposity in a pilot senior cohort study**
[Carmen García-Ruano](#), Andrea Costa, Eduard Bargay, Ana M. García, Susana Tarongí, Jadwiga Konieczna, Dora Romaguera, Catalina Picó, Andreu Palou, Guillermo Amer, Paula Oliver
- PO1.029** **Myo-inositol supplementation in suckling rats modulates brain-derived neurotrophic factor (BDNF) signalling in adulthood altered by a mild gestational calorie restriction**
[Ana Valle](#), Pedro Castillo, Adrián García, Andreu Palou, Catalina Picó, Mariona Palou
- PO1.030** **The Impact of Cycling Cadence On Oxygen Consumption During Maximal And Submaximal Exercise**
[Enda F Murphy](#), Javier J Monedero, Conor Carey, Donal J Ogorman
- PO1.031** **Moderate Intensity Aerobic Exercise Increases Plasma Ketone Concentrations in Healthy Female Adults**
[Eabha Walsh](#), Aseel Alshogairi, Caitriona Lynch, Tara Kelly, Timothy O'Brien, Martin Leahy, Francis M. Finucane
- PO1.032** **The protective role of physical fitness on cardiometabolic risk during pregnancy. The GESTAFIT project**
[Pedro Acosta Manzano](#), Francisco M Acosta, Marta Flor Alemany, Blanca Gavilán Carrera, Manuel Delgado Fernández, Laura Baena García, Víctor Segura Jiménez, Mireille Nm Van Poppel, Virginia A Aparicio



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- PO1.033** **Investigating small intestinal adaptations to metabolic disease: a mouse RNA-Sequencing study comparing the small intestinal transcriptional landscape in obesity**
Margot Jacobs, Yuxian Lei, Naila Haq, Timothy Pullen, Maya Wilson, Jason West, Harith Rajagopalan, Bu Hayee, Gavin Bewick
- PO1.034** **Vertical sleeve gastrectomy changes gut microbiota composition and restores intestinal permeability in mice with diet-induced obesity**
Gabriela Moreira Soares, Sandra Lucinei Balbo, Gabriela Alves Bronczek, Kênia Moreno De Oliveira, Carine Marmantini, Lucas Zangerolamo, Lício Augusto Velloso, Everardo Magalhães Carneiro
- PO1.035** **Obesity, adipocytokines and Gut microbiota**
Wen Yuan Lin, Belle Yanyu Lin, Wei De Lin, Chih Kun Huang
- PO1.036** **Reduction of the number of intraepithelial lymphocytes in the jejunum of patients operated on Roux-en-Y Gastric Bypass vs. non-operated patients with obesity**
Amélie Vaugrente, Mathieu Uzzan, Alexandra Willemetz, Lara Ribeiro Parenti, David Moszkowicz, Maude Le Gall, Séverine Ledoux, André Bado
- PO1.037** **Is lactate really a "phoenix risen"? The anorectic and thermogenic effects of pharmacological lactate are largely driven by overlooked confounding factors**
Jens Lund, Alberte Wollesen Breum, Cláudia Gil, Sarah Falk, Frederike Sass, Marie Sophie Isidor, Oksana Dmytriyeva, Pablo Ranea Robles, Cecilie Vaad Mathiesen, Astrid Linde Basse, Olivia Sveidahl Johansen, Nicole Fadahunsi, Camilla Lund, Trine Sand Nicolaisen, Anders Bue Klein, Tao Ma, Brice Emanuelli, Maximilian Kleinert, Charlotte Mehlin Sørensen, Zachary Gerhart Hines, Christoffer Clemmensen
- PO1.038** **Metabolic effects of n-3 fatty acids administered as Calanus oil in dietary obese mice with modified PPAR α expression**
Veronika Kalendova, Olga Horakova, Martin Rossmeisl
- PO1.039** **Sodium-glucose cotransporter 2 (SGLT2) inhibition ameliorates steatohepatitis through autophagy activation by suppressing intracellular O-GlcNacylation**
Jae Hyuk Lee, Yong-ho Lee, Hye Jin Chun, Eun Ran Kim, Minyoung Lee, Da Hyun Choi, Bong Soo Cha
- PO1.040** **Waist-to-hip Ratio and Neck Circumference are associated with Non-alcoholic Fatty Liver Disease and Hepatic Fibrosis in Women with Severe Obesity, but not in Men**
Fannie Lajeunesse Trempe, Senela Dugas, Ina Maltais Payette, Marie Eve Piché, Georgios K. Dimitriadis, André Thernof, Laurent Biertho
- PO1.041** **Involvement of the main bioactive compounds present in *Opuntia stricta* var. *dillenii* extracts from whole fruit, peel, pulp and bagasse on their anti-steatotic effect**
Irene Besné Eserverri, Jenifer Trepiana, Iván Gómez López, María Pilar Cano, Gloria Lobo Rodrigo, María Puy Portillo
- PO1.042** **Predictors of weight control-related eating motivation in Polish adults with overweight and obesity - new technology: a threat or an opportunity?**
Kamila Czepczor Bernat, Justyna Modrzejewska, Adriana Modrzejewska, Paweł Matusik
- PO1.043** **Comparisons of motivation for physical activity in Polish men with normal and excess body weight**
Adriana Modrzejewska, Justyna Modrzejewska, Kamila Czepczor Bernat
- PO1.044** **Biochemical markers of different variants of apolipoprotein e genes polymorphism in obese people**
Tatyana Borisovna Sentsova, Lydia Ivanovna Ilyenko
- PO1.045** **Leukocyte mitochondrial DNA copy number, metabolic syndrome and metabolically healthy obesity in a Maltese Caucasian population**
Rachel Agius, Nikolai Paul Pace, Stephen Fava
- PO1.046** **Fructose induced metabolic alteration rescued by the "healthy diet"... or not?**
Arianna Mazzoli, Angela Di Porzio, Valentina Barrella, Maria Stefania Spagnuolo, Luisa Cigliano, Susanna Iossa



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- PO1.047** **Low dose high fructose corn syrup attenuates high-fat diet induced glucose intolerance and has negligible effects on obesity-associated adipose tissue inflammation**
Sarina Kajani, Sean Curley, Yvonne Lenighan, Marcella O'Reilly, Robyn Bruen, Gina Lynch, Kathleen Mitchelson, Eugene Dillon, Helen M. Roche, Fiona C. McGillicuddy
- PO1.048** **Inherited stress resiliency prevents the development of metabolic alterations in diet-induced obese mice**
Tovit Rosenzweig, Michaella Ben Shachar, Saumia Mehta, Albert Pinhasov
- PO1.049** **Oleylethanolamide as a therapeutic approach for obesity and insulin resistance: modulation of body composition, mitochondrial bioenergetics, endocannabinoidome mediators and gut microbiome**
Fabiano Cimmino, Giovanna Trinchese, Lidia Petrella, Gina Cavaliere, Angela Catapano, Jyoti Sihag, Cristoforo Silvestri, Vincenzo Di Marzo, Maria Pina Mallica
- PO1.050** **Methylation of specific positions in dloop, gstp1 and line1 are link to anthropometry and hand grip strenght in women**
Manuel Portela Collazo, Andrea González Izquierdo, Ana Belén Crujeiras Martínez, Federico Mallo Ferrer
- PO1.051** **2'-fucosyllactose alone or combined with resistant starch increase circulating short-chain fatty acids in lean men and men with prediabetes and obesity: a randomized crossover trial**
Emanuel Canfora, Lars Vliex, Taojun Wang, Arjen Nauta, Freek Bouwman, Jens Holst, Koen Venema, Erwin Zoetendal, Ellen Blaak
- PO1.052** **Effect of high-fat diet and aerobic exercise on the gut microbiota in aging: a study in female mice**
Paola Elizabeth Gámez Macías, Elisa Félix Soriano, Neira Sáinz Amillo, Miriam Samblas García, María Jesús Moreno Aliaga, Pedro González Muniesa
- PO1.053** **Mendelian randomization on the association of obesity with Vitamin D: Guangzhou Biobank Cohort Study**
Lin Xu
- PO1.054** **Hypolipidemic effects of beetroot juice in two rat models of metabolic syndrome are associated with deregulated proteins from lipin-phosphatidic acid signalling and mTOR signalling pathways**
Michal Pravenec, Jan Silhavy, Petr Mlejnek, Miroslava Simakova, Marek Vrbacky, Alena Pecinova, Tomas Mracek, Hana Malinska, Irena Markova, Martina Huttli, Denisa Miklankova
- PO1.055** **The Carbohydrate Content of Breakfast Does Not Influence Plasma Ketone Concentrations in Healthy Female Adults**
Eabha Walsh, Aseel Alshogairi, Cairiona Lynch, Tara Kelly, Timothy O'Brien, Martin Leahy, Francis M. Finucane
- PO1.056** **Dietary lysine intake: a strong predictor of plasma albumin concentration**
Omar Obeid, Marie Elizabeth Ragi, Carla El Mallah
- PO1.057** **Lysine deficiency induced hyperactivity and anxiety-like behaviour in rats**
Carla El-Mallah, Marie-Elizabeth Ragi, Omar Obeid
- PO1.058** **Influence of maternal diet on breastmilk miRNAs**
Maria De Lucas, María Victoria Jiménez Cabanillas, Pilar Cobo, Pere Bibiloni, Andreu Palou, Juana Sánchez, Francisca Serra
- PO1.059** **Association between Dietary Inflammatory Index and fatty liver in patients with overweight and obesity**
Eleonora Paggiogalle, Francesco Frigerio, Federica Luisi, Michele Di Martino, Carlo Catalano, Carla Lubrano, Lorenzo M Donini
- PO1.060** **Diet enriched with lupin protein purified extract reduced food intake and body weight preserving body composition in rats**
Camila Jiménez González, Zainab Mastoor, Laura Fernández De Castro, María Luisa Rúa, Lucas C González Matías, Federico Mallo Ferrer
- PO1.061** **Effect of Gracilaria vermiculophylla dietary supplementation in inflammation and hepatocarcinoma-related markers in liver of genetically obese rats**
Maitane González-Arceo, Saioa Gómez-Zorita, Leixuri Aguirre, María Puy Portillo



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- PO1.062** **Low density lipoprotein cholesterol improvement is greater after laparoscopic sleeve gastrectomy as compared to laparoscopic gastric bypass - a registry-based study with 1 year follow-up**
Rebecca Kronström, Joanna Uddén Hemmingsson, Mikael Wirén, Carl Eric Leijonmarck, Nakisa Esfahani
- PO1.063** **Histological pattern of endometrial biopsies in patients of reproductive age with abnormal uterine bleeding and obesity**
Yulia Sergeevna Artemenko, Marina Borisovna Khamoshina, Natalia Vladimirovna Petrenko, Mekan Rakhimberdyevich Orazov
- PO1.064** **The role of mitochondrial protein Coiled-Coil-Helix-Coiled-coil-Helix Domain 10 (Chchd10) in the pathogenesis of heart failure**
Zixuan Zhang, Xiaoping Wu, Jiuyu Zong, Kwong Man Ng, Aimin Xu, Ruby Lai Chong Hoo
- PO1.065** **Central-to-peripheral adiposity ratio, rather than visceral adiposity, explain more of the higher cardiovascular risk profile in Asian Indians than in African Creoles in Mauritius**
Vinaysing Ramessur, Sadhna Hunma, Noorjehan Joonas, Bibi Nasreen Ramessur, Jean Pierre Montani, Yves Schutz, Abdul G Dullo
- PO1.066** **A cross-sectional study of the association between TyG index and FGF-21 levels in women with PCOS**
Piotr Kocelak, Małgorzata Grabarczyk, Aleksander Owczarek, Dariusz Ciura, Leszek Markuszewski, Paweł Madej, Jerzy Chudek, Magdalena Olszanecka Glinianowicz
- PO1.067** **Overweight, obesity and the health-related quality of life in patients with rheumatic diseases**
Aleksander Owczarek, Rafał Michalik, Przemysław Kotyla
- PO1.068** **Higher prevalence of testicular microlithiasis in infertile patients with obesity confirmed with testicular ultrasonography**
Marija Ilijovska, Tatjana Gurzanova, Snezana Mihajlovska
- PO1.069** **Serum pentraxin-3 (PTX-3) and triglyceride-glucose index (TyG) as a marker of insulin resistance and fatty liver disease in women with PCOS**
Magdalena Olszanecka Glinianowicz, Małgorzata Grabarczyk, Aleksander Owczarek, Dariusz Ciura, Leszek Markuszewski, Paweł Madej, Jerzy Chudek
- PO1.070** **Triglyceride-glucose index in relation to nutritional status and overall mortality in older individuals**
Jerzy Chudek, Aleksander Owczarek, Magdalena Olszanecka Glinianowicz
- PO1.071** **The association between excess weight and COVID-19 outcomes: an overview of systematic reviews**
Jamie Matu, Alex Griffiths, Oliver Shannon, Andrew Jones, Rhiannon Day, Duncan Radley, Alison Feeley, Jamie Blackshaw, Naveed Sattar, Louisa Ellis
- PO1.072** **Effects of bariatric surgery on breast cancer risk in women with obesity, and influence of variation in the Farnesoid X receptor and metabolic regulation**
Felipe Miguel Kristensson, Johanna Cecilia Andersson Assarsson, Magdalena Taube, Per Arne Svensson, Kajsa Sjöholm, Sofie Ahlin, Markku Peltonen, Lena Carlsson Ekander
- PO1.073** **Dapagliflozin administration reduces intracardiac triglycerides content along with an increased FGF-21 gene expression in an animal model of obesity**
Angelo Di Vincenzo, Marika Crescenzi, Marnie Granzotto, Lucia Russo, Paola Fioretto, Roberto Vettor, Marco Rossato
- PO1.074** **Chronological characterization of glucose uptake in a polygenic mouse model for type 2 diabetes, TALLYHO/Jng, fed chow and high fat diet**
Jung Han Kim, Kristiana Sklioutovskaya Lopez
- PO1.075** **Obesity-associated metabolic syndrome and low-grade inflammation induced by long-term consumption of cafeteria diet in female rats**
Andrej Feješ, Jakub Szabó, Ivana Slivková, Veronika Kunšteková, Lucia Mihalovičová, Veronika Borbélyová, Peter Celec, Katarina Šebeková



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- PO1.076** **MicroRNA as biomarkers of subclinical atherosclerosis and cardiovascular risk in severe obesity**
Júlia Carmona-Maurici, David Ricart-Jané, Anna Viñas, Antonio Miñarro, Jorge Juan Olzina Kissler, Juan Antonio Baena-Fustegueras, Julia Peinado-Onsurbe, Eva Pardini
- PO1.077** **Vascular damage in fructose-induced obesity rat model**
Diyana Asparuhova Kyuchukova, Dariya Leonidovna Chivchibashi Pavlova, Kameliya Zhechkova Bratoeva
- PO1.078** **Evaluation of handgrip strength in women with different BMI**
Rosa Sammarco, Maurizio Marra, Olivia Di Vincenzo, Anna Maria Marzano, Raffaele Natale, Fabrizio Pasanisi
- PO1.079** **Cortical thickness and white matter hyperintensity changes are associated with sarcopenia in the cognitively normal older adults**
Se Hong Kim, Ju Hye Chung
- PO1.080** **The association of three single nucleotide variants of the GIPR gene with metabolic health**
Joanna Michałowska, Ewa Miller Kasprzak, Agnieszka Seraszek Jaros, Adrianna Mostowska, Monika Szulińska, Paweł Bogdański
- PO1.081** **Novel insights from animal models in silico: associations between the Wnt signalling pathway and obesity**
Sambhavi Sneha Kumar, Natalie Wallis, Thiviya Sivakanthan, Eleanor Raffan
- PO1.082** **The objectives of SOPHIA**
Christoffer Wenzel Tornøe
- PO1.083** **Association of GLP1R variants rs2268641 and rs6923761 with body mass and metabolic parameters**
Joanna Michałowska, Ewa Miller Kasprzak, Agnieszka Seraszek Jaros, Adrianna Mostowska, Monika Szulińska, Paweł Bogdański
- PO1.084** **Evolution of age-related mutation-driven clonal hematopoiesis over 20 years is associated with metabolic dysfunction in obesity**
Johanna C Andersson Assarsson, Rosanne C Van Deuren, Felipe M Kristensson, Kajsa Sjöholm, Magdalena Taube, Per Arne Svensson, Björn Carlsson, Alexander Hosichen, Lena Carlsson
- PO1.085** **'SWEET sustainability' - environmental life cycle assessment (LCA) of non-nutritive sweeteners**
James Suckling, Stephen Morse, Richard Murphy, Monique Raats, Elena Koukouna, Jasper Scholten, Charlotte Westbroek, Sian Astley, Hana Musinovic, Mark Roe, Corey Scott, Alain Le Bail, Anne Raben, Jo Harrold, Jason Halford
- PO1.086** **Measuring changes in body composition during dynamic weight-loss: dual-energy x-ray absorptiometry vs. multifrequency bioelectrical impedance**
Aoife M Egan, Kelly L Johnston, Adam L Collins
- PO1.087** **Lack of genetic polymorphisms of OCT1, MATE1, MATE2 and GLP1R genes in obese Wistar rats**
Maria Kalinkova, Tanya Kadlyska, Teodora Handjieva Darlenska
- PO1.088** **Metabolomic profiles of women with gestational diabetes and with or without obesity**
Heidi Sormunen Harju, Emilia Huvinen, Polina Girchenko, Eero Kajantie, Pia Villa, Esa Hämäläinen, Marius Lahti Pulkkinen, Hannele Laivuori, Katri Räikkönen, Salla Koivusalo
- PO1.089** **Genetic and phenotypic links between obesity and extracellular vesicles**
Ranran Zhai, Lu Pan, Zhijian Yang, Ting Li, Zheng Ning, Yudi Pawitan, James F. Wilson, Di Wu, Xia Shen
- PO1.090** **Relationships of haptoglobin concentrations and phenotypes with obesity measures and inflammatory biomarkers in adults**
Hayder A Hasan, Amita Attlee, Veena Raigangar, Hema Unnikannan, Mohamed Madkour, Samir Awadallah
- PO1.091** **Postprandial inflammatory response in relation to insulin resistance and incident type 2 diabetes in a middle-aged population with overweight**
Rory Monahan, Ruifang Li, Raymond Noordam, Ko Willems Van Dijk, Dennis Mook-Kanamori, Frits Rosendaal, Renée De Mutsert



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- PO1.092** **Telomere Length and Exposures to PM10 in Individuals with Overweight/Obesity**
Luisella Vigna, Michele Carugno, Dario Consonni, Angela C Pesatori, Elisa Borroni, Valentina Bollati
- PO1.093** **Analysis of the efficacy and the long-term metabolic and nutritional status of sleeve gastrectomy with transit bipartition compared to Roux-en-Y gastric bypass in obese rats**
Clément Baratte, Willemetz Alexandra, Lara Ribeiro, Claire Carette, Simon Msika, André Bado, Sébastien Czernichow, Tigran Poghosyan, Maude Le Gall
- PO1.094** **Circulating and methylation levels of osteopontin during a very low-calorie ketogenic diet in blood from patients with obesity**
Paula M Lorenzo, Andrea G Izquierdo, Ignacio Sajoux, Maitane Nuñez Garcia, Javier Baltar, Gemma Rodriguez Carnero, Daniel De Luis, Francisco J Tinahones, Felipe F Casanueva, Ana B Crujeiras
- PO1.095** **Ldlr-/-Leiden mice develop neurodegeneration, age-dependent gliosis and obesity-induced changes in microglia immunophenotype which are partly reversed by complement component 5 neutralizing antibody**
Florine Seidel, Kees Fluter, Robert Kleemann, Nicole Worms, Anita Van Nieuwkoop, Martien Caspers, Nikolaos Grigoriadis, Amanda J. Kiliaan, Frank Baas, Iliana Michailidou, Martine C. Morrison
- PO2.001** **Barriers and enablers to signing up for a weight management program after receiving an opportunistic referral from a General Practitioner**
Chiara Gericke, Sterling Rippy, Danielle D'lima
- PO2.002** **Physical activity, strength training and nutritional support in patients with metabolic syndrome from a Northeastern Portuguese primary health care: A pilot community intervention program**
José Augusto Bragada, José Araújo Teixeira, João Pedro Bragada, Carlos Manuel Duarte, João Henrique Pontes, Laíssa Sousa Saldanha, Pedro Miguel Magalhães
- PO2.003** **Eating behavior features in persons with cardiac pathology**
Safya Olegovna Eliashevich, Anastasia Vladimirovna Orekhova, Elena Mikhailovna Filichkina, Elena Borisovna Yarovaya, Oxana Mikhailovna Drapkina
- PO2.004** **Trends in body weight status and weight management practices among the first-year university students**
Vilma Kriaučionienė, Janina Petkevičienė, Asta Raskilienė
- PO2.005** **Changes in weight, attitudes and behaviors in Mexican adults living with obesity after almost two years of the COVID-19 pandemic**
Verónica Vázquez Velázquez, Alexandra Rodríguez González, Sofía Sánchez Román, Héctor Velázquez Jurado, Ahidée Guadalupe Leyva López
- PO2.006** **Weight Change after Smoking Cessation and Risk of Cardiovascular disease, Lung cancer and All-Cause Death: A Nationwide Cohort Study in South Korea**
Kyoung Hwa Ha, Yun Jung Jung, Dae Jung Kim
- PO2.007** **The effect of sleep mismatch and sleep duration on obesity in the different age groups in Korea: Nation-wide cross sectional study**
Yang Hyun Kim, Koh Eun Shin
- PO2.008** **Acceptability of a brief 1:1 session delivered as part of the Healthy Habits in Pregnancy and Beyond (HHIPBe) pilot randomised controlled trial (RCT) to pregnant women with overweight and obesity**
Sarah E Moore, Laura McGowan, Clare B Kelly, Julia McClelland, Dunla Gallagher, Rebecca J Beekan, Chris R Cardwell, Helen Croker, Kelly Ann Eastwood, Caroline McGirr, Roisin O'Neill, Ciaran O'Neill, Jayne V Woodside, Michelle C Mckinley
- PO2.009** **Building the evidence base for a virtual reality education and training tool to reduce weight stigma in primary practice: a Person-Based Approach**
Leona Ryan, Caroline Heary, Susie Birney, Michael Crotty, Owen Conlan, Jane C Walsh
- PO2.010** **Fiscal and pricing policies related to food and non-alcoholic drinks: a review of the evidence**
Luke Barry, Frank Kee, Jayne Woodside, John Cawley, Edel Doherty, Mike Clarke, Grainne Crealey, James Duggan, Ciaran O'Neill



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- PO2.011** **Beyond willpower, obesity prevention and control require policies**
Dolores Magdalena Mejía De La Cruz, Ann Stephany Sánchez Marmolejos, Julio Adrian Rivas Ramírez, María Fernanda Cedeño Bruzual, Nathalia Capellán Lerebours, Jesús Antonio Echavarría Uceta, Jacqueline Díaz Rodríguez, María Bell, Nepomuceno Abraham Mejía Severino
- PO2.012** **The modifying role of environmental characteristics on the effectiveness of the SLIMMER diabetes prevention lifestyle intervention**
Annemien Haveman Nies, Tess Weis, Joreintje D Mackenbach, Edith JM Feskens, Josien Ter Beek, Geerke Duijzer, Nicolette R den Braver
- PO2.013** **Assessment of Lifestyle Changes Related to Quarantine among Saudi Adults during the Early COVID-19 Pandemic:pre and post analysis**
Mira Maged Abu Elenin, Nesrin Kamal Abd El Fattah
- PO2.014** **Effect of planned pauses versus continuous energy restriction on weight loss and attrition: a systematic review of randomised controlled trials of weight loss interventions**
Gina M Wren, Dimitrios A Koutoukidis, Jadine Scragg, Elena Tsompanaki, Susan A Jebb
- PO2.015** **Maternal diet and placental development and efficiency: role of maternal BMI**
Shevaun M. Teo, Celine M. Murrin, John Mehegan, Alexander Douglass, James R. Hebert, Ricardo Segurado, Cecily C. Kelleher, Catherine M. Phillips
- PO2.016** **Dietary habits, lifestyle, and weight changes in a cohort from the Balearic Islands**
Jorge Blanco Anesto, Joana Nicolau Ramis
- PO2.017** **Analysis of the dietary and alcohol drinking patterns of people with excess body weight attending a specialized obesity unit to lose weight**
Maite Aguas Ayesa, Patricia Yáñez Esquiroz, Laura Olazarán, Carolina M. Perdomo, Marta García Goñi, Camilo Silva, Javier Escalada, Ascensión Marcos, Gema Frühbeck
- PO2.018** **Association between red meat consumption and obesity in Polish women - evidence from validated food frequency questionnaire**
Katarzyna Pastusiak, Matylda Kregielska Narozna, Pawel Bogdanski
- PO2.019** **Prevalency of obesity and dietary pattern in hypertension disorders of pregnancy**
Renata Maria Galvão De Campos Cintra, Marcelo Dos Santos Voltani Lorena, Alison De Jesus Pereira Vieira, José Carlos Peraçoli
- PO2.020** **Does the prebiotic and probiotic supplementation influence eating behavior in patients with obesity?**
Rym Ben Othman, Zeineb Zemni, Chaima El Ghali, Wafa Douiri, Olfa Berriche, Ramla Mizouri, Nadia Ben Amor, Faten Mahjoub, Henda Jamoussi
- PO2.021** **Is binge eating associated with poor weight loss outcomes in people with obesity? A systematic review with meta-analyses**
Isabella Lobo Sasaoka, Felipe Da Luz, Phillipa Hay, Tamires Lavorato Gaeta, Paula Costa Teixeira, Táki Athanássios Cordás, Amanda Sainsbury, Zubeyir Salis
- PO2.022** **Impact of bariatric surgery on binge eating**
Cato Nys, Amber Van den Eynde, Joke De Vocht, Wout Van Der Borgh, Nele Steenackers, Sofia Pazmiño Lucio, Ann Mertens, Roman Vangoitsenhoven, Bart Van Der Schueren
- PO2.023** **Quest for a Dutch Questionnaire on eating behavior in post-bariatric patients**
Wout Van Der Borgh, Amber Van Den Eynde, Cato Nys, Mirthe Luijsmans, Nele Steenackers, Sofia Pazmiño Lucio, Ann Mertens, Roman Vangoitsenhoven, Bart Van Der Schueren
- PO2.024** **Risk factors associated with the consumption of sugar-sweetened beverages among Czech adults. The KardioVize study**
Monika Kunzová, Martina Bruzlová, Geraldo A. Maranhao Neto, María María Infante Garcia, Ramfis Nieto Martinez, Juan Pablo González Rivas



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- PO2.025 Association of body weight variability with cardiovascular outcomes and death: a Korean nationwide cohort study**
Seon Mee Kim, Hyo Jin Park
- PO2.026 Association between persistent central obesity and the risk of hematological malignancies; A Nationwide Population-Based Study**
Sangmo Hong, Kyungdo Han, Cheol Young Park
- PO2.027 Metabolically (un)healthy obesity and risk of obesity-related cancers: a pooled study**
Ming Sun, Josef Fritz, Christel Häggström, Tone Bjørge, Gabriele Nagel, Jonas Manjer, Anders Engeland, Emanuel Zitt, Bethany Van Guelpen, Pär Stattin, Hanno Ulmer, Tanja Stocks
- PO2.028 The prevalence of obesity doubled among adults in Mid-Sweden between years 2000 and 2022**
Anu Molarius, Jan Karlsson
- PO2.029 Novel and conventional obesity indices and colorectal cancer in older people**
Lin Xu
- PO2.030 The Association between Obesity and Nonalcoholic fatty liver disease (NAFLD): Cross sectional study**
Sangmo Hong, Ki Young Lee, Jung Hwan Park, Sung Hoon Yu, Dong Sun Kim, Chang Beom Lee
- PO2.031 Joint association of overweight/obesity and working conditions with subsequent sickness absence among young and midlife Finnish employees**
Anna Svärd, Jatta Salmela, Tea Lallukka
- PO2.032 Associations of MC4R gene polymorphisms with twins' anthropometric measurements**
Asta Raskilene, Janina Petkeviciene, Viktorija Ceponyte, Vilma Kriaucioniene, Laimutis Kucinskas
- PO2.033 Causal associations of sleep apnea, snoring with cardiovascular diseases, and the role of body mass index: a Mendelian randomization study**
Jiao Wang, Adrian I. Campos, Miguel E. Rentería, Lin Xu
- PO2.034 Body Mass Index and Case Fatality after Hospitalization for Hyperglycemic Crises: A Nationwide Cohort Study in South Korea**
Kyoung Hwa Ha, Dae Jung Kim
- PO2.035 Sociodemographic characteristics, lifestyles, comorbidities, and COVID-19 in individuals with and without excess of weight in Catalonia, Spain: a retrospective, population-based cohort study**
Carlo Alberto Bissacco, Felipe Villalobos, Meritxell Pallejà Millán, Elena Segundo
- PO2.036 Impact of the COVID-19 pandemic on the incidence of adult overweight and obesity in a large population-based cohort study in Catalonia, Spain**
Anna Jansana, Andrea Pistillo, Berta Raventós, Edward Nurn, Heinz Freisling, Talita Duarte Salles
- PO2.037 Prevalence of Obesity among the Adult Population (19-75+ years old) in Bulgaria in 2020**
Vesselka Duleva, Ekaterina Chikova Iscener, Lalka Rangelova, Plamen Dimitrov
- PO2.038 A Retrospective Cohort Study on Major Obesity Indicators and the Risk of Type 2 Diabetes in Pre and Postmenopausal Women**
Do Hoon Kim, Myung Ji Nam, Hyunjin Kim, Joo Hyun Park, Anna Lee, Yeon Joo Choi
- PO2.039 Clustering methods for people living with overweight or obesity - A systematic scoping review**
Diederik De Cock, Joke Schaeckers, Lucas Schreurs, Judit Riera Arnau, Fariba Ahmadizar, Roman Vangoitsenhoven
- PO2.040 Metabolic phenotypes of excess body weight and risk of impaired kidney function**
Alessandro Leone, Francesca Menichetti, Ramona De Amicis, Andrea Foppiani, Simona Bertoli, Alberto Battezzati
- PO2.041 Changes in the prevalence of metabolic syndrome in Korean adults after the coronavirus disease 2019 outbreak**
Ji Young Kwon, Sang Wook Song



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- PO2.042** **Appropriate Cutoff point for Obesity by Big data analysis in Koreans**
Sung Soo Kim, Kyung Do Han
- PO2.043** **Weight Gain, Comorbidities, and Its Associated Factors Among Korean Adults**
Seung Hee Kim, Yoo Bin Seo
- PO2.044** **Blood lead level was significantly associated with general, central obesity in non-smoking, non-hypertensive Korean Women aged 30-50**
Kyu Rae Lee
- PO2.045** **Secular trends in dietary energy, carbohydrate, fat and protein intakes among Korean adults according to presence of obesity, 2010-2020 KHANES**
Ki Deok Park, Yujin Kwon, Ji Won Lee, Hyung Mi Kim, Ji A Lee, Irang Lim
- PO2.046** **Risk of Fracture in Korean Postmenopausal Women by Body Mass Index: A Nationwide Cohort Study**
Yang Im Hur, Jin Wook Kim, Youn Huh, Yun A Shin
- PO2.047** **Joint associations of diet and physical activity with incident type 2 diabetes and hypertension: an analysis of 144,288 UK Biobank participants**
Elif Inan Eroglu, Matthew Ahmadi, Amanda Sainsbury, Michael Leitzmann, Kamlesh Khunti, Thomas Yates, Emmanuel Stamatakis
- PO2.048** **The increasing prevalence of obesity during the period of COVID-19 pandemic in the comparative study of Hungary's Comprehensive Health Care Screening Program 2010-2020-2030**
Eszter Halmy, László Gyula Halmy, Gergely Dankovics, Tennó Daiki, István Barna, András Paksy
- PO2.049** **Mortality ratio of COVID-19 infection in severe obesity by age and gender**
Eszter Halmy, András Paksy
- PO2.050** **Weight trajectories through adulthood and incident and fatal prostate cancer: The Obesity and Disease Development Sweden (ODDS) pooled cohort study**
Marisa Da Silva, Josef Fritz, Christel Häggström, Pär Stattin, Tanja Stocks
- PO2.051** **Double burden of malnutrition in Tunisian youth: association with social determinants of health, 2016**
Salsabil Rejaibi, Ahlem Silini, Arwa Neffati, Nada Zoghalmi, Nadia Ben Mansour, Afef Skhiri, Jalila El Ati, Pierre Traissac, Hajer Aounallah Skhiri
- PO2.052** **Prevalence of Obesity in People Living with Type 1 Diabetes across countries: An IMI2 SOPHIA analysis of data from Belgium, Kuwait, and Mexico**
Ebaa Al-Ozairi, Sofia Pazmino, Abdulnabi Al Attar, Jumana Al Kandari, Paloma Almeda Valdes, Neftali Eduardo Antonio Villa, Carl Delfin, Raquel N Faradji, Aili García Tuomola, Mohammad Irshad, Joseph Longnecker, Jonathan Rosen, Jeannette Soderberg, Thomas Sparsø, Nele Steenackers, Chantal Mathieu, Bart Van der Schueren, Carel Le Roux
- PO2.053** **Epidemiological patterns of abdominal obesity in Tunisian high educated adults, 2016**
Salsabil Rejaibi, Ahlem Silini, Arwa Neffati, Nada Zoghalmi, Nadia Ben Mansour, Afef Skhiri, Jalila El Ati, Pierre Traissac, Hajer Aounallah Skhiri
- PO2.054** **Metabolic syndrome and social determinants of health in Tunisian adults: Findings from a national household survey, 2016**
Ahlem Silini, Salsabil Rejaibi, Nourhene Najjar, Arwa Neffati, Nada Zoghalmi, Nadia Ben Mansour, Afef Skhiri, Jalila Elati, Pierre Traissac, Hajer Aounallah Skhiri
- PO2.055** **Epidemiological overview of Hypertension the Tunisian adults: Tunisian Health Examination Survey, 2016**
Ahlem Silini, Salsabil Rejaibi, Nourhene Najjar, Arwa Neffati, Nada Zoghalmi, Nadia Ben Mansour, Afef Skhiri, Jalila Elati, Pierre Traissac, Hajer Aounallah Skhiri
- PO2.056** **Associated factors to metabolic syndrome in Tunisian adults, 2016**
Ahlem Silini, Salsabil Rejaibi, Nourhene Najjar, Arwa Neffati, Nada Zoghalmi, Nadia Ben Mansour, Afef Skhiri, Jalila Elati, Pierre Traissac, Hajer Aounallah Skhiri



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- PO2.057 Nutrition quality and waste associated with the school food system: A pilot, citizen science study in an Irish secondary school**
Sarah K Browne, Aoife Mullens, Beth Mulholland, Chungwan Lo, Angela Rutledge
- PO2.058 Opinions on Obesity and Prevention in Scotland: A Focus Group Study**
Tom Steiner, Jennifer Forsyth, Lorraine Tulloch
- PO2.059 Healthy weight North Wales: systems mapping**
Duncan Radley, Alexander Bond, Lydia Orford, Emily Woodward Esseen, Ceriann Tunnah
- PO2.060 Healthy weight North Wales: social network analysis**
Duncan Radley, Alexander Bond, Lydia Orford, Emily Woodward Esseen, Ceriann Tunnah
- PO2.061 Can youth insights and engagement accelerate meaningful food industry change?**
Caroline Cerny, Nika Padja, Parita Doshi, Anna Keleher, Tara Hackett
- PO2.062 Assessment of the healthiness of the food retail environment on an Irish university campus using the Uni-Food tool**
Maria Heffernan, Emma Curran, Deanna Kenny, Pooja Agarwal, Celine Murrin
- PO2.063 Nudging strategies to improve food choices of healthcare workers in the workplace cafeteria: a pragmatic field study**
Renate E.h. Meeusen, Bibian Van Der Voorn, Kirsten A. Berk
- PO2.064 The impact of national COVID-19 lockdowns on the home environments and energy balance behaviours of UK adolescents**
Alison Fildes, Andrea D Smith, Clare H Llewellyn, Alice R Kininmonth
- PO2.065 Examination of the University College Dublin food environment using the Uni-Food Tool**
Emma Curran, Maria Heffernan, Celine Murrin
- PO2.066 An automated nutritional assessment system based on food images**
Fotios S. Konstantakopoulos, Eleni I. Georga, Sofia Eleftheriou, Panagiota Revelou, Anastasia Kanellou, Maria Giannakourou, Dimitrios I. Fotiadis
- PO2.067 Household food insecurity and children's diet-related outcomes in Madrid, Spain**
Luis Carmona, Julia Díez, Pedro Gullón, Elisa Buenaga, Luisa N Borrell, Ana Moragues Faus, Jose Manuel Díaz Olalla, Manuel Franco
- PO2.068 Association between food insecurity (FI) and diet, and gestational weight gain (GWG) among pregnant women living in high-income countries: a systematic review and meta-analysis**
Giang Nguyen, Zoe Bell, Gemma Andreae, Stephanie Scott, Amelia Lake, Nicola Heslehurst
- PO2.069 Association between food insecurity (FI) and pregnancy health outcomes in high-income countries (HICs): a systematic review and meta-analysis**
Giang Nguyen, Zoe Bell, Gemma Andreae, Stephanie Scott, Amelia Lake, Nicola Heslehurst
- PO2.070 BMI, Waist Circumference, and Appendicular Muscle Mass Ratio in Relation to Metabolic Syndrome among Community-dwelling Elderly in Taiwan**
Nain Feng Chu, Der Min Wu, Chun Yung Chang
- PO2.071 Cumulative body mass index exposures and cancer risk in White versus Black populations: An Individual Participant Data (IPD) Meta-analyses of over half a million participants (ABACus2 Consortium)**
Nadine Hawwash, Matthew Sperrin, Glen P. Martin, Michael Cook, Charles E. Matthews, Marian L. Neuhouser, Corinne E. Joshi, Elizabeth A. Platz, Heinz Freisling, Marc Gunter, Andrew G. Renehan
- PO2.072 The roles of parental feeding practices and appetite in the development of eating disorders in adolescence**
Alice Rose Kininmonth, Zeynep Nas, Holly Harris, Ivonne Derks, Janet Treasure, Pauline Jansen, Clare Llewellyn



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- PO2.073** **A questionnaire study exploring engagement with videogame livestreaming platforms, marketing recall, and associated behavioural and health outcomes in adolescents**
Rebecca Evans, Paul Christiansen, Travis Masterson, Catherine Pollack, Sondos Albadri, Emma Boyland
- PO2.074** **If self-esteem and BMI are not linearly related: does BMI class define our self-perception? Analysis of global, multidimensional, and physical self-esteem in a population of women with obesity**
Lisa Moyon, David Le Foll
- PO2.075** **Emotion regulation in patients living with obesity: an exploratory study using the difficulties in emotion regulation scale**
Mirthe Luijsmans, Amber Van den Eynde, Wout Van der Borgh, Cato Nys, Ann Mertens, Roman Vangoitsenhoven, Bart Van der Schueren
- PO2.076** **The use of Natural Language Processing (NLP) in body image perception among cancer patients living with obesity**
Elwira Gliwska, Klaudia Barańska, Stella Maćkowska, Agnieszka Różarska, Dominik Spinczyk
- PO2.077** **Perceived stress, dietary behaviour, and body mass index among the first-year university students**
Janina Petkeviciene, Vilma Kriaucioniene, Asta Raskiliene
- PO2.078** **Obesity and eating disorders**
Maria Gonzalez, Gabriela Ines Simbaña, Gabriela Alexandra Zapata, Pedro Luis Talledo, Valeria Alcántara
- PO2.079** **The role of psychological measures in explaining the prospective association between obesity and physiological dysregulation: evidence from UK and US cohort studies of older adults**
I Gusti Ngurah Egi Putra, Michael Daly, Angelina Sutin, Andrew Steptoe, Eric Robinson
- PO2.080** **Association between weight status and health related quality of life in Tunisian adults, 2016**
Arwa Neffati, Salsabil Rejaibi, Ahlem Silini, Nada Zoghalmi, Nadia Ben Mansour, Afef Skhiri, Jalila El Ati, Pierre Traissac, Hajer Aounallah Skhiri
- PO2.081** **Developing an updated Greek food composition database for a dietary mobile app - The MedDietAgent project pilot**
Anastasia Kanellou, Sofia Eleftheriou, Vlassopoulos Antonis, Kapsokefalou Maria, Konstantakopoulos Fotios, Giannakourou Maria, Houhoula Dimitra, Georga Eleni, Fotiadis Dimitrios, Halvatsiotis Panagiotis, Revelou Panagiota
- PO2.082** **Factors influencing the implementation of a pilot School Milk Scheme in Irish Early Years Settings**
Ellen Greene, Celine Murrin
- PO2.083** **Trends in the Weight Status of Irish Adults Across Socioeconomic Groups: A 22-Year Perspective (1988-2010)**
Caroline Donovan, Janette Walton, Anne Nugent, Albert Flynn, Breige Mcnulty
- PO2.084** **Front of pack labels, who engages with them and why: a latent class analysis from an online experiment testing label effectiveness**
Jessica Packer, Simon Russell, Russell Viner
- PO2.085** **Associations between dietary factors and hypertension risk in West Africa: A systematic review and meta-analysis of cross-sectional studies**
Nimisoere P Batubo, Bernadette J Moore, Michael A Zulyniak
- PO2.086** **Habitual MACROadherence to dietary guidelines among women with obesity - how far are they to reach cardiovascular guidelines?**
Anna Maria Rychter, Agnieszka Zawada, Michał Michalak, Alicja Ewa Ratajczak, Kinga Skoracka, Agnieszka Dobrowolska, Iwona Krela Kaźmierczak
- PO2.087** **Calcium intake and serum concentration and carotid intima-media thickness among women with obesity**
Anna Maria Rychter, Dariusz Naskręt, Michał Michalak, Agnieszka Zawada, Alicja Ewa Ratajczak, Kinga Skoracka, Agnieszka Dobrowolska, Iwona Krela Kaźmierczak



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- PO2.088 ACTION Switzerland: survey study assessing awareness, care and treatment in obesity management among people with obesity and healthcare professionals in Switzerland**
Dominique Durrer, Gionata Cavadini, Doris Fischer Taeschler, Gabriela Fontana, Patrick Pasi, Ralph Peterli, Philipp A. Gerber
- PO2.089 Perceived barriers and facilitators to interrupting sedentary time among adults living with obesity class II or III**
Fiona Curran, Carol Brennan, James Matthews, Grainne O' Donoghue
- PO2.090 Recognizing Obesity as a Disease (ROAD) survey: a western Indian perspective**
Sonali A Patange, Rajiv Kovil, Tejas Shah
- PO2.091 Health-related factors are associated with running performance?**
Mabliny Thuany, Elenice De Sousa Pereira, Marcos André Moura Dos Santos, Thayse Natacha Gomes
- PO2.092 Correlates of physical activity and sedentary behaviour in adults living with overweight and obesity: a systematic review**
Mary E Davis, Fiona Curran, Kaitlyn Murphy, Natasha Tersigni, Adam King, Nina Ngo, Grainne O'Donoghue
- PO2.093 Digitally delivered exercise increased habitual physical activity in people with obesity**
Sophie E Harrison, Marion Cliffe, Jennifer Cooney, Matt W Boulter, Rebecca Harkinson, Stuart Beattie, Jamie H Macdonald
- PO2.094 Association of Leisure-time Physical Activity with Waist Circumference After Smoking Cessation - A Follow-up Study among Adults**
Maarit Piirtola, Jaakko Kaprio, Tellervo Korhonen
- PO2.095 Sedentary breaks and timing of physical activity and risk of type 2 diabetes**
Jeroen Van Der Velde, Esther Winkels Van Eekelen, Sebastiaan Boone, Femke Rutters, Frits Rosendaal, Renée De Mutsert
- PO2.096 Comparison of time-matched aerobic, resistance or combined exercise training for changing cardiorespiratory fitness, strength and body composition in women living with obesity. The EXOFFIT study**
Mary E Davis, Catherine Blake, Caitriona Cunningham, Brian P. Carson, Grainne O'Donoghue
- PO2.097 The feasibility and acceptability of a supervised exercise programme to improve cardiorespiratory fitness, strength and body composition in women living with obesity: The EXOFFIT study**
Mary E Davis, Catherine Blake, Caitriona Cunningham, Brian P. Carson, Grainne O'Donoghue
- PO2.098 Moving Medicine: development of a resource to aid health professionals in promoting physical activity amongst persons living with obesity**
Richard Antbring, Lewis Raiman
- PO2.099 Does the Short Form of the International Physical Activity Questionnaire (IPAQ) have a role in obesity clinical practice?**
Valentino Osti, Federica Baroni, Michele Stecchi, Alba Nicastrì, Maria Giuseppina Albanese, Giulio Agnelli, Francesca Marchignoli, Maximilian Zioutas, Elisa Sprio, Maria Letizia Petroni
- PO2.100 The role of polychlorinated biphenyls in obesity - review study**
Katarzyna Ruszkiewicz, Tatiana Kimáková, Clifford Yip, Karolina Sieradzka
- PO2.101 Leverage points within healthy weight system approaches of Dutch municipalities: a qualitative study among stakeholders**
Maud ter Bogt, Kris Bevelander, Lisa Tholen, Gerard Molleman, Maria Van Den Muijsenbergh, Gerdine Fransen
- PO2.102 Associations between the NOVA and Nutri-Score systems: the role of branded food composition databases**
Alexandra Katidi, Stamoulis Noutsos, Antonis Vlassopoulos, Maria Kapsokefalou



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- PO2.103** **Co-designing calorie labels for food delivery apps: A qualitative think-aloud study with twenty delivery app users**
Filippo Bianchi, [Anna Keleher](#), Geetika Kejrival, Frances Bain, Parita Doshi
- PO2.104** **Introducing the 'Weight Management Health Note' application designed by the Korean Society for the Study of Obesity (KSSO)**
Sunyung Kim, Doo Ah Choi, [Sang Youl Rhee](#)
- PO2.105** **Overview on diabetes mellitus mortality statistics in Tunisia, 2020**
Salsabil Rejaibi, Nada Zoghalmi, [Ahlem Silini](#), Arwa Neffati, Afef Skhiri, Ibrahim Ben Slama, Iskander Mariem, Ismaen Mensi, Mohamed Amine Bennour, Rym Fayala, Jalila El Ati, Pierre Traissac, Hajer Aounallah Skhiri
- PO2.106** **Using branded food composition databases to derive nutritional composition data for commonly consumed generic foods**
Antonis Vlassopoulos, [Anna Visariou](#), Alexandra Katidi, Ioannis Koutsias, Anastasia Kanellou, Maria Kapsokefalou
- PO2.107** **Changes in the prevalence of overweight, obesity and severe obesity in Czech seven-year-old children between years 2008 and 2019**
[Pavla Kalouskova](#)
- PO2.108** **Creating a shared value in IMI SOPHIA**
[Carel Le Roux](#)
- PO2.109** **The importance of getting research and implementation science into public health and social care practice to prevent childhood obesity**
[Helen Skouteris](#)
- PO2.110** **Towards inclusive public health messaging for obesity and eating disorders: a focus on children and young people**
[Clare H Llewellyn](#), Florence Sheen, Rana Conway, Francesca Solmi, Andrew Steptoe, Dasha Nicholls
- PO2.111** **Communicating about obesity-related health and disease: An in-depth empirical study in Danish primary care with a special focus on weight stigma**
[Sissel Due Jensen](#), Pernille Andreassen, Jens Meldgaard Bruun, Anneli Sandbæk
- PO2.112** **Assessment of obesity stigma and discrimination among Egyptian subjects with a wide weight range**
[Noha Elghazally](#), Rania Elsallamy, Albert Lecube
- PO2.113** **Consequences of Weight Stigmatisation in Media**
[Ilkin Esen Yildirim](#), Deniz Sezgin
- PO2.114** **The stigmatisation of obesity from a gender perspective: A systematic review**
Miren Santos Erice, [Eva Pereda Pereda](#), Karmele Salaberria Irizar
- PO2.115** **Cognitive control and weight loss after bariatric surgery. The BARICO study**
[Emma Custers](#), Debby Vreeken, Lisa Katrin Kaufmann, Natalia Pujol Guardia, Marije Asbreuk, Maximilian Wiesmann, Esther Aarts, Eric Hazebroek, Amanda Kiliaan
- PO2.116** **Nutritional status assessment and sociodemographic characteristics in organised living beneficiaries with mental disorders**
[Lidija Šoher](#), Milica Cvijetić Stokanović, Daniela Kenjerić
- PO2.117** **Sarcopenic obesity- clinical diagnosis challenges in elderly people**
[Anamaria Andreea Gorzo](#)
- PO2.118** **Do eating behaviour traits predict energy intake and body mass index? A systematic review and meta-analysis**
[Clarissa Dakin](#), Kristine Beaulieu, Mark Hopkins, Catherine Gibbons, Graham Finlayson, R. James Stubbs



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- PO2.119 Primary care physicians' knowledge and attitudes about obesity, adherence to treatment guidelines and association with confidence to treat obesity: a Swedish survey study**
Daniel Carrasco, Hans Thulesius, Ulf Jakobsson, [Ensieh Memarian](#)
- PO2.120 Body Composition, Sarcopenic Obesity and Cognitive Function in Older Adults: Findings from the National Health and Nutrition Examination Survey (NHANES) 1999-2002 and 2011-2014**
Uraiporn Booranasuksakul, Ian Macdonald, Blossom Stephan, Mario Siervo
- PO2.121 Reframing obesity treatment: a qualitative exploration on Irish general practitioners attitudes regarding treating obesity as a disease and suggestions for future education and training**
Leona Ryan, Caroline Heary, Michael Crotty, Susie Birney, Owen Conlan, Jane C Walsh
- PO2.122 Investigating the promotion of breast-feeding interventions to narrow inequalities in childhood obesity: Insights from a public and patient involvement session**
Joana Cruz, Maria Sifaki, Jessica Packer, Simon Russell, Russell Viner
- PO2.123 Association between obesity and food insecurity in a vulnerable population from E-uccas project**
Esther Porras Pérez, Juan Luis Romero Cabrera, Isabel De Castro Burón, Ana María Ortiz Morales, Elena Yubero Serrano, Pablo Pérez Martínez
- PO2.124 Evolution of Healthcare Costs for Obesity-related Complications over 10 Years in a UK Population: A Retrospective Open Cohort Study**
Jonathan Pearson-Stuttard, Sara Holloway, Kasper Sommer Matthiessen, Andrew Thompson, Silvia Capucci
- PO2.125 Does the prevalence of obesity in the different regions of Spain influence the attitudes, perceptions and barriers to its treatment?**
Nuria Villarrasa, Javier Salvador, Francisco Poyato, Miguel Ángel Rubio
- PO3.001 Gut microbiome profiling in Asian children with metabolically healthy and unhealthy obesity**
Delicia Shu Qin Ooi, Eric Chun Yong Chan, Bee Wah Lee, Yung Seng Lee
- PO3.002 Maternal overweight/obesity alters the urinary metabolome of neonates in a sex-dependent manner**
Pere Bibiloni, Pilar Cobo, Maria Victoria Jiménez Cabanillas, María De Lucas, Andreu Palou, Francisca Serra, Joana Sánchez
- PO3.003 Influence of breastmilk miRNAs and early growth in infants**
María Victoria Jiménez Cabanillas, [María De Lucas](#), Pilar Cobo, Pere Bibiloni, Andreu Palou, Juana Sánchez, Francisca Serra
- PO3.004 Biallelic Mutations in P4HTM Cause Syndromic Obesity**
Sadia Saeed, Lijiao Ning, Alaa Badreddine, Muhammad Usman Mirza, Mathilde Boissel, Roohia Khanam, Jaida Manzoor, Qasim M Janjua, Waqas I Khan, Bénédicte Toussaint, Emmanuel Vaillant, Souhila Amanzougarene, Mehdi Derhourhi, Brian Y H Lam, Giles S H Yeo, Asmae Touzani, I. Sadaf Farooqi, Amélie Bonnefond, Muhammad Arslan, Philippe Froguel
- PO3.005 Transcriptional profile of subcutaneous adipose tissue in relation to pediatric obesity: a pilot study**
Clarissa Berardo, Alessia Mauri, Letizia Messa, Federica Rey, Erika Cordaro, Gloria Pelizzo, Gianvincenzo Zuccotti, Stephana Carelli, Valeria Calcaterra, Cristina Cereda
- PO3.006 Assessment of nutritional status amongst children in Croatia from 3 months to 9 years of age**
[Martina Pavlič](#), Lidija Šoher, Daniela Kenjeric, Ivana Rumbak, Jasna Pucarin Cvetković, Darja Sokolić
- PO3.007 Salivary alpha-amylase response to a digital version of the Trier Social Stress Test in non-overweight and overweight adolescents**
Andrada Druica, Ioan Gotca, Daniel V. Timofte, Dana T. Anton Padurarur, Veronica Mocanu
- PO3.009 "No Decision About Us Without Us": Obesity Youth Panel Formation and Collaboration**
[Niamh Arthurs](#), The Landscape Youth Panel, Oluwatofunmi Oluwajuyigbe, Maeve P. O'Brien, Grace O'Malley



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- PO3.010 Association of paternal BMI and diet during pregnancy with child BMI z-scores at 5 years of age**
Michelle Kearns, Mirkka Lahdenperä, Samuli Rautava, Laura Galante, Hanna Lagström, Clare Reynolds
- PO3.011 Socioeconomic status, weight and breastfeeding among 92,902 infants in the Copenhagen Infant Health Nurse Records (CIHNR) cohort**
Lise G Bjerregaard, Miriam Wust, Torben S D Johansen, Christian M Dahl, Jennifer L Baker
- PO3.012 Association between gut microbiota at 3.5 years of age and body mass index at 5 years: Results of two French nationwide birth cohorts**
Gaël Toubon, Marie José Butel, Jean Christophe Rozé, Johanne Delannoy, Pierre Yves Ancel, Julio Aires, Marie Aline Charles
- PO3.013 Associating early child growth with breastfeeding and maternal lifestyle - results from the CRIBS study**
Jelena Šarac, Dubravka Havaš Auguštin, Iva Šunić, Mario Lovrić, Natalija Novokmet, Saša Missoni
- PO3.014 LIMIT: Lifestyle and Microbiome Interaction Early Adiposity Rebound in Children, a Study Protocol**
Rachele De Giuseppe, Federica Loperfido, Rosa Maria Cerbo, Maria Cristina Monti, Elisa Civardi, Francesca Garofoli, Micol Angelini, Beatrice Maccarini, Eduardo Sommella, Pietro Campiglia, Laura Bertuzzo, Marcello Chieppa, Stefano Ghirardello, Hellas Cena
- PO3.015 Association of endocrine disrupting chemicals and their mixture with metabolic outcomes in adolescents**
Anran Cai, Lützen Portengen, Virissa Lenters, Bianca Cox, Juliette Legler, Sylvie Remy, Roel Vermeulen
- PO3.016 Weight percentiles as an alternative for body mass index percentiles for cardiovascular risks factors screening in Adolescents - a cross sectional study**
Tamer Ziv Baran, Noa Oselka, Gal Dubnov Raz
- PO3.017 The longitudinal effect of cumulative soft drinks consumption on the adiposity, weight status, and metabolic indicators in Korean children and adolescents**
Yang Im Hur, Yun A Shin
- PO3.018 Accelerating early growth associates with lower levels of branched-chain amino acids at the age of 5 years independent of ISO-BMI**
Emilia Huvinen, Rubina Tabassum, Anna Kaisa Tuomaala, Salla B Koivusalo
- PO3.019 Influence of post-natal maternal diet on early baby's growth**
Pilar Cobo, Pere Bibiloni, Maria Victoria Jiménez Cabanillas, De Lucas María, Palou Andreu, Serra Francisca, Sánchez Joana
- PO3.020 Unsupervised identification of cardiometabolic profiles among adolescents: Findings from the PARIS birth cohort study**
Léa Lefebvre, Céline Roda, Thomas Grunemwald, Karima Hamrene, Isabelle Momas
- PO3.021 Is height associated with weight status in children from primary schools with social vulnerabilities?**
Juliana Martins, Ana Duarte, Cláudia Augusto, Maria José Silva, Silvana Martins, Rafaela Rosário
- PO3.023 A new approach to child weight management: Developing and launching an innovative Tier 2 service for children and young people living with obesity in Bradford, UK**
Rachel Williams, Jo James, Maria Bryant, Jane West, Rose Dunlop, Paul Davison, Helen Cragg
- PO3.024 CardioMetabolic Prevention (CAMP) pilot study in adolescents: Telemedicine as a tool for family healthy lifestyle support**
Irena Aldhoon Hainerova, Aneta Klimova Rychova, Jana Divoka, Katerina Hartmanova, Jakub Petioky, Marie Finkova, Martina Romanova, Ivana Monkova, Jana Lhotska, Martin Svetnicka, Kristina Rucklova, Eliska Selinger
- PO3.025 Co-creation with Voices of the Lived Experience for Family Data Collection on the Provision of Childhood Obesity Health Services: A Mixed-Methods Project**
Niamh Arthurs, Sven Schubert, Bernadette Keenan, The Landscape Youth Panel, Louise Tully, Maeve P. O'Brien, Oluwatofunmi Oluwajuyigbe, Grace O'Malley



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- PO3.026** **Work-related functioning in parents to children and adolescents with obesity**
Benedicte Balling Bertelsen, [Maria Martens Fraulund](#), Mette Korshøj, Jens Christian Holm
- PO3.027** **Association between paediatric obesity and early adult health care utilisation - can we learn from cross-country comparisons?**
Vidar Halsteinli, Emilia Hagman, Claude Marcus, Rønnaug Ødegård
- PO3.028** **Effect of a 10-week multicomponent lifestyle camp on BMI-SDS, body composition, metabolic markers and quality-of-life in children with overweight or obesity**
Dorthe Dalstrup Jakobsen, Lea Brader, Jens Meldgaard Bruun
- PO3.029** **Symposium title: Stratification of Obesity Phenotypes to Optimize Future Therapy (IMI SOPHIA Project). Preliminary discoveries from SOPHIA**
[Nanette C Schloot](#)
- PO3.030** **Implementation of a healthy lifestyle program with children from primary schools with social vulnerabilities: the BeE-school**
Ana Duarte, Juliana Martins, Silvana Martins, Cláudia Augusto, Maria José Silva, Rafaela Rosário
- PO3.031** **Changes in bone mineral content and density in adolescents with obesity: influence of nutritional and physical activity behaviors**
Antonio Videira Silva, Helena Fonseca
- PO3.032** **Addressing Pediatric Health Indicators in Population Health: An Obesity Case Study**
[Ihuoma Eneli](#), Renee Orcozo, Marrie Walston, Venita Robinson, Akua Amponsah, Alexis Tindall
- PO3.033** **A crossover randomized controlled trial investigating time restricted eating as a potential treatment for paediatric obesity: the TREPO study**
Rafael Martin Masot, Marta Herrador Lopez, Maria Elisa Merchan Ramirez, Mercedes Rivera Cuello, Victor M Navas Lopez, [Guillermo Sanchez Delgado](#)
- PO3.034** **Impact of bariatric surgery on brain structure and function. The BARICO study**
[Emma Custers](#), Debby Vreeken, Lieke Van Dongen, Jonna Brouwer, Laura Deden, Maximilian Wiesmann, Eric Hazebroek, Amanda Kiliaan
- PO3.035** **Childhood Obesity Education for Health Professionals: A Systematic Review of Interventions**
[Farzana Ferdous](#), Grace O'Malley
- PO3.036** **Effect of a group intervention program based on a transdiagnostic approach on the emotional regulation of adolescents**
Jone Galdos Madina, Karnele Salaberria Irizar, Rosa Lasagabaster Armendariz, Asier Léniz Rodríguez, Pilar Amiano Etxezarreta, [Eva Pereda Pereda](#)
- PO3.037** **The effectiveness of insole placement for nursing students with obesity in Taiwan**
[Pei-ching Liu](#), I Ching Hou
- PO3.038** **Lifestyle changes after a school-based intervention in children. FLUYE Program**
Andrea Jimeno Martinez, [Alicia Larruy García](#), Ivie Maneschy, Carmen Pellicer, María L Miguel Berges, Pilar De Miguel Etayo, Luis A Moreno Aznar
- PO3.039** **Green and blue spaces residential exposure over childhood and cardiometabolic health outcomes: The Generation XXI birth cohort**
Berta Valente, Bernardo Nogueira, Rita Pereira, Ana Isabel Ribeiro, Henrique Barros, [Susana Santos](#)
- PO3.040** **Associations of childhood body mass index with breast density and post-menopausal breast cancer risks**
[Dorthe C. Pedersen](#), Britt W. Jensen, Julie Aarestrup, Anne Tjønneland, Lene Mellemkjær, Ilse Vejborg, My Von Euler Chelpin, Zorana J. Andersen, Jennifer L. Baker



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- PO3.041** **Age and cohort effects on BMI growth from birth to adolescence: results from two cohorts born 15 years apart**
Joana Araújo, Milton Severo, Elisabete Ramos, Henrique Barros
- PO3.042** **Title: A qualitative study to explore the role of general practice in the management of childhood overweight and obesity from the perspectives of GPs, practice nurses and parents**
Maxime Van Der Velden, Hevy Hassan, Dieuwke Van Schiphof, Sylvia Buijs, Wilma Jansen, Patrick Bindels, Marienke Van Middelkoop
- PO3.043** **Weight loss in children and adolescents aged 10 to 17 years at a single obesity center through four different multidisciplinary treatment options including therapy with liraglutide 3 mg and bariatric surgery**
Martin Sykora, Anna Peter, Danielle Meier, Cristina Milone, Patrick Rodolphe Pasi, Andrea Ramseier, Claudia Rucht, Jörn Markus Gass
- PO3.044** **Effect of advanced training in obesity/weight management on healthcare professionals' attitudes and behaviours when treating adolescents living with obesity: data from the ACTION Teens global study**
Walter Chen, Louise A. Baur, Abdullah Bereket, Bassam Bin-Abbas, Fernando Fernández-Aranda, Nayely Garibay Nieto, Jason C. G. Halford, Juan Pedro López Sigüero, Claudio Maffei, Vicki Mooney, Cynthia Karenina Osorto, Ricardo Reynoso, Young-Jun Rhie, Martín Toro-Ramos
- PO3.045** **Hunger as a barrier to weight loss and associated attitudes, perceptions and behaviours among adolescents living with obesity in ACTION Teens**
Bassam Bin-Abbas, Louise A. Baur, Abdullah Bereket, Walter Chen, Fernando Fernández-Aranda, Nayely Garibay Nieto, Jason C. G. Halford, Juan Pedro López Sigüero, Claudio Maffei, Vicki Mooney, Cynthia Karenina Osorto, Ricardo Reynoso, Young-Jun Rhie, Martín Toro-Ramos
- PO3.046** **A novel heterozygous mutation in the Insulin Receptor Gene in a boy with Metabolic Syndrome and Diabetes Onset: a case report**
Elena Fornari, Valentina Mancioffi, Alice Maguolo, Silvia Costantini, Francesca Olivieri, Claudia Piona, Marco Marigliano, Alberto Sabbion, Giovanna Contreas, Anita Morandi, Claudio Maffei
- PO3.047** **Genetic variants in genes related to monogenic obesity in children and adolescents with obesity: an Italian single Centre experience**
Anita Morandi, Alice Maguolo, Massimiliano Corradi, Carola Panzeri, Elena Fornari, Francesca Olivieri, Claudia Piona, Federica Emiliani, Claudio Maffei
- PO3.048** **Health professional perspectives on priority needs for child and adolescent obesity management: preliminary findings from LANDSCAPE focus groups**
Mohammad Almulla, Niamh Arthurs, Aisling Walsh, Louise Tully, Maeve P. O'Brien, Sarah O'Brien, Grace O'Malley
- PO3.049** **Establishment of a patient-led, de-stigmatising clinic model for children living with obesity (LwO) and their comorbidities, focussing on people-first language**
Helen Robinson, Paul Carruthers, Kate Brennan, Hannah Mayall, Megan Glyde, Rachel Estaugh, Jo Charsley, Jainey Sajj, Karen James, Nadia Amin, James Yong, Caroline Steele
- PO3.050** **A Qualitative Transdisciplinary Exploration of Children and Young People's Responses to High in Fat, Salt or Sugar Food and Beverage Brand Advertising**
Jordan Maclean, Richard Purves, Mimi Tatlow Golden, Alice Maclean, Amber Morgan, Kelly Wallace, Emma Boyland
- PO3.051** **Co-production of youth advocacy videos on food marketing and promotions**
Caroline Vaczy, Marissa Smith, Lorraine Tulloch, Ashleigh Kellerman, Shona Hilton
- PO3.052** **Interconnection of Fatty Acids Pool and Body Composition in Adolescents with Obesity**
Mariia Matveeva, Julia Samoilova, Oxana Oleynik, Daria Podchinenova, Margarita Kovarenko, Tamara Vachadze
- PO3.053** **Self-reported quality of life in young people living with obesity attending a paediatric weight management service**
Rachel Estaugh, Megan Glyde, Jo Charsley, Kate Brennan, Hannah Mayall, Helen Robinson, Caroline Steele



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- PO3.054** **The link between metabolic factors and cancer**
Calescu Roxana Elena
- PO3.055** **Dietary patterns in children and their relationship with environmental sustainability and body fat**
Beatriz Teixeira, Cláudia Afonso, Milton Severo, Catarina Carvalho, Duarte Torres, Carla Lopes, Andreia Oliveira
- PO3.056** **Eating Behavior and dietary intake in children and adolescents: A systematic review**
Ivie Reis Maneschy, Maria Luisa Miguel Berges, Azahara I Rupérez, Andrea Jimeno Martínez, Luis A. Moreno
- PO3.057** **Feeding practices in Irish infants**
Alexandra Lee, Eleanor McLaughlin, Marahini Isa, Michael Barrett, Barry Scanlan
- PO3.058** **Dietary intakes of 5-year-old Irish children in relation to body composition and socio-economic status; findings from the ROLO longitudinal birth cohort study**
Emma Hokey, Anna Delahun, Sharleen L O' Reilly, Fionnuala M McAuliffe
- PO3.059** **Assessment of physical activity level for prediction of body weight maintenance of adolescents**
Tzvetelina Totamirova, Mila Arnaudova
- PO3.060** **Healthcare Professionals' Perception of Physical Activity Promotion for Children with Type 1 Diabetes**
Susan Giblin, Niall Dalton, Paul Scully, Alison McCaffrey, Muiriosa Connolly, Orla Neylon, Clodagh O'gorman
- PO3.061** **Using an online application to determine the prevalence of overweight and obesity affecting children and adolescents 2-18 years old in Romania**
Bogdan Mihai Pascu
- PO3.062** **Prevention of obesity and its metabolic complications in children**
Luis Alberto Moreno Aznar
- PO3.063** **Study of Clinical Symptoms and Laboratory Investigation of Iron Deficiency in Children for the Understanding Link between Iron and Metabolism**
Liana Siradze, Avtandil Kvezerele Kopadze
- PO3.064** **The Impact of Allied Health Professionals on the Primary and Secondary Prevention of Obesity in Young Children: A Scoping Review**
Alex Griffiths, Rob Brooks, Rebecca Haythorne, Gill Kelly, Jamie Matu, Tamara Brown, Kanar Ahmed, Linda Hindle, Louisa Ells
- PO3.065** **The NOURISHING and MOVING policy indexes: assessing nutrition and physical activity for obesity prevention in 27 European countries**
Ioana Vlad, Jennifer O Mara, Kate Oldridge Turner, Arnfinn Helleve, Janetta Harbron, Knut Inge Klepp, Kate Allen
- PO3.066** **Mental health as a driver of obesity: perspectives from CO-CREATE Portuguese Youth**
Sofia Mendes, Inês Figueira, Ana Rito
- PO3.067** **Body composition analysis in children enrolled in a 2-year obesity management programme during first-year follow-up**
Marjetka Švigelj, Tatjana Gantar, Tina Kaparić Kersnik, Blaž Repar, Irena Štucin Gantar
- PO3.068** **Body Fat Distribution according to Waist to Height Ratio and Waist Circumference in 7-year-old Czech Children - COSI Project**
Tereza Metelcová, Radka Taxová Braunerová, Hana Zamrazilová, Bohuslav Procházka, Marie Kunešová
- PO3.069** **Differences in children obesity prevalence using multiple BMI evaluation standards**
Otilia Elena Frasinariu, Ioana Vasiliu, Laura Mihaela Trandafir
- PO3.070** **Psychosocial health screening in Singaporean youths with obesity**
Wang Chin Eileen Ng, Chu Shan Elaine Chew, Khairunisa Binte Khaider



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- PO3.071** **Social determinants of health in families attending a Tier 3+ Paediatric Weight Management Service in West Yorkshire**
Jo Charsley, Megan Glyde, Rachel Eastaugh, Hannah Mayall, Kate Brennan, Helen Robinson, Caroline Steele
- PO3.072** **Sociocultural influences on young children's motor development**
Sinead McCauley Lambe
- PO3.073** **Changes in Nutritional Status and Nutrition Habits of 7-8-year-old Children During the Decade of Growth Surveillance Study of Lithuanian children**
Aušra Petrauskienė, Monika Grincaitė, Vilma Kriaučionienė, Justina Vaitkevičiūtė, Vita Špečkauskienė
- PO3.074** **Evaluation of the effect of bariatric surgery on the therapeutic dosing of antiepileptic medications**
Nadya Margolin, Ophir Lavon, Arik Dahan
- PO3.075** **Association between change in BMI z-score in children and consultations in general practice**
Hevy Hassan, Bart Koes, Patrick Bindels, Marienke Van Middelkoop
- PO3.076** **Insights on parental attitudes regarding childhood overweight in deprived areas: a qualitative study**
Hevy Hassan, Marijke De Kuiper, Dieuwke Schiphof, Bart Koes, Patrick Bindels, Marienke Van Middelkoop
- PO3.077** **Cardiometabolic risk factors among children and adolescents with overweight and Class 1 obesity: a cross-sectional study. Insights from stratification of Class 1 obesity**
Afif Nakhleh, Rizan Sakhnini, Eyal Furman, Naim Shehadeh
- PO3.078** **A validation study of the Dutch Eating Behavior Questionnaire for Children (DEBQ-C) for children and adolescents with obesity in South Korea**
Na Young Kim, Sooyeon Suh, Jieun Kim, Kumhee Son, Sarah Woo, Jia Kim, Kyung Hee Park, Hyunjung Lim
- PO3.079** **Eating Behavior and Psychological Phenotypes of Pediatric Patients with Obesity**
Claudia K Fox, Stephen J Molitor, Amy C Gross
- PO3.080** **Bardet-Biedl Syndrome diagnosed in early childhood - who can be suspected?**
Maria Małgorzata Nowak, Michał Aleksander Ciołek, Maria Szczepańska, Agnieszka Tomaszewska, Friedhelm Hildebrandt, Agnieszka Zachurzok
- PO3.081** **Relationship between sleep duration and metabolic health in adolescents**
Kayoung Lee
- PO3.082** **Co-relation of Waist circumference, Type of Surgery, Gender, Fat level of bariatric patients in single center-Sri Lanka**
Ganindu Abeyasinghe, Savindu Wijeratne, Lahiru Wijetunga, Thejana Wijeratne
- PO3.083** **Is the association between sleep and socioemotional development mediated by weight in toddlers aged 12 to 36 months?**
Ana Duarte, Maria José Silva, Cláudia Augusto, Silvana Martins, Rute Santos, Luís Lopes, Rafaela Rosário
- PO3.084** **Obesity in patients with youth-onset T2D: the Israeli registry**
Nehama Zuckerman Levin, Meidan Cohen, Moshe Phillip, Ariel Tenenbaum, Ilana Koren, Yardena Tenenbaum Rakover, Osnat Admoni, Eli Hershkovitz, Alon Haim, Kineret Mazar Aronovitch, David Zangen, David Strich, Avivit Brener, Yonatan Yeshayahu, Yossi Schon, Marianna Rachmiel, Tal Ben Ari, Floris Levy Khademi, Afif Nakhleh, Rami Tibi, Ram Weiss, Yael Leventhal, Orit Pinhas Hamiel, Naim Shehadeh
- PO3.085** **Establishment of a virtual group education programme for children and young people living with obesity (CYPLwO) and their families, focussing on person first language**
Kate Brennan, Rachel Eastaugh, Jo Charsley, Helen Robinson, Hannah Mayall, Megan Glyde, Caroline Steele
- PO3.086** **Genetic and phenotypic overlap between obesity, eating behaviours, and eating disorders**
Moritz Herle, Mohamed Abdulkadir, Christopher Hübel, Nadia Micali



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- PO4.002 Patient-reported measures of post-operative nausea, vomiting and pain after bariatric surgery - an RCT comparing outcomes of Total Intravenous Anesthesia and Inhalational Anesthesia**
Rebecca Kronström, Joanna Uddén Hemmingsson, Sixten Bredbacka, Axel Tomson
- PO4.003 Long-term safety and effectiveness of liraglutide after bariatric surgery in a real-world setting in Chile**
Maria Magdalena Farias
- PO4.004 Dumping syndrome and eating disorders in post-bariatric patients without regular medical follow-up**
Luiz Guilherme Kraemer Aguiar, Eline Coan Romagna, Diogo Menezes Ferrazani Mattos, Karynne Grutter Lopes
- PO4.005 LITHIUM TOXICITY POST BARIATRIC SURGERY-lessons learnt from an Australian case**
Georgia Rigas
- PO4.006 Health-related dysfunction in home management after bariatric surgery - the Swedish Obese Subjects (SOS) Study**
Petra Brembeck, Johanna C Anderson Assarsson, Magdalena Taube, Kajsa Sjöholm, Björn Henning, Lena M Carlsson, Per Arne Svensson
- PO4.007 Pregnancy after Bariatric Surgery: Maternal and perinatal outcomes**
Sonsoles Gutierrez Medina, Gema Fruhbeck, Camilo Silva, Magdalena De La Higuera, María Blanca, Sonsoles Guadalix, Juan Zubiria, Isabel Higuera, Javier Escalada
- PO4.008 Title: Metabolic Surgery for the Treatment of Comorbid Type II Diabetes and Obesity: is it effective and is it safe? Outcomes of a systematic review**
Neil Hyland, Neil Hyland, Karen Jordan, Karen Jordan, Helen O'Donnell, David Byrne, Paula Byrne, Karen Cardwell, Barbara Clyne, Barbara Clyne, Patricia Harrington, Susan Spillane, Máirín Ryan, Máirín Ryan, Conor Teljeur
- PO4.009 Microvascular function, inflammatory status and oxidative stress in patients following Roux-en-Y gastric bypass with weight regain**
Luiz Guilherme Kraemer Aguiar, Karynne Grutter Lopes, Maria Das Graças Coelho De Souza, Eliete Bouskela
- PO4.010 Test-Retest Reliability of Isokinetic Knee Extensor and Flexor Strength Assessments in Adults Eligible for Bariatric Surgery**
Søren Gam, Anders Kløve Petz, Lukas Rodrigues Bjerre, Jeppe Bøghild, Anders Bruun Nielsen, Rikke Nørgaard Sørensen, Mikkel Iwanoff Kolind, Bibi Gram, Stinus Hansen, Per Aagaard
- PO4.011 Risk of malnutrition in patients with severe obesity following laparoscopic surgery**
Rosa Sammarco, Raffaele Natale, Emilia De Filippo, Eufemia Silvestri, Fabrizio Pasanisi, Maurizio Marra
- PO4.012 Long-term incidence of hematological cancer after bariatric surgery or usual care in the Swedish Obese Subjects Study**
Magdalena Taube, Felipe M Kristensson, Peter Jacobson, Johanna C Andersson Assarsson, Per Arne Svensson, Sofie Ahlin, Markku Peltonen, Kajsa Sjöholm, Lena M S Carlsson
- PO4.013 Psychometric properties of the patient-reported outcomes in obesity (PROS) questionnaire: a literature review**
John Roger Andersen, Anny Aasprang, Ronette L. Kolotkin
- PO4.014 Psychological profile of patients before and after bariatric surgery**
Abed L. Hadjipour, Federica Arena, Clara Lombardo, Giuseppe Navarra, Salvatore Lazzara, Anna Maria Rosaria Muscatello, Antonio Bruno, Alessandra Falzone, Carmela Mento
- PO4.015 Surgical management with Roux-en-Y gastric bypass for patients with severe obesity: experience of 42 cases**
Paulo Roberto Falcão Leal, Gabriela Carolina Loayza Mosquera, Angie Solange Loarte Camacho, Walter Andres Monteros Cedillo, Jorge Eduardo Da Silva Soares Pinto, Karynne Grutter Lopes, Luiz Guilherme Kraemer Aguiar
- PO4.016 Looking through the socio-ecological lens to improve experience and outcomes of bariatric surgery**
Catherine Verity Homer, Peter Nelson, Elizabeth Goyder, Peter Allmark, Angela Mary Tod



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- PO4.017 Hand grip strength in an Irish bariatric surgery population**
Amanda Rhynehart
- PO4.018 Clinical And Patient Reported Outcomes With Complete Health improvement Program (CHIP) In A Bariatric Surgery Center**
Danny Mou, Tamar Tsenderadze, Holley Nash, Melissa Majumdar, Victoria Delgado, Colin Johnson, Huda Hayyeh, S. Scott Davis, Chelsea Yost, Elizabeth Hechenbleikner, Edward Lin, Arvinpal Singh
- PO4.019 The Impact of the Combination of the GLP-1 Analogue Liraglutide (Victoza®) and Laparoscopic Adjustable Gastric Banding (LAGB) on Diabetes Control: A Pilot Randomised Double-Blind Placebo-Controlled Trial (GLIDE)**
Claudia Coelho, Laurence J Dobbie, James Crane, Abdel Douri, Anastazia E Learoyd, Olanike Okolo, Sypros Panagiotopoulos, Dimitri Pournaras, Sasindran Ramar, Francesco Rubino, Rishi Singhal, Carel W Le Roux, Shahrad Taheri, Barbara McGowan
- PO4.020 Efficacy of a Weight Loss Digital Therapeutics Platform: A Multidisciplinary Perspective**
Sarfraz Khokhar, Catherine H Toomer
- PO4.021 Introduction to reproducible research for obesity studies**
Marijka Batterham, Bradley Wakefield
- PO4.022 Intensive lifestyle intervention for obesity in a dedicated, specialized center - Romanian experience**
Anca Mihaela Hancu
- PO4.023 A longitudinal investigation assessing long-term diet-related behaviour changes of Slimming World members: 12-month data**
Jennifer Kent, Josef Toon, Amanda Avery, Laura Holloway, Sarah Elizabeth Bennett
- PO4.024 Can probiotics improve weight loss in patients with obesity?**
Rym Ben Othman, Zeineb Zemni, Chaima El Ghali, Wafa Douiri, Olfa Berriche, Ramla Mizouri, Nadia Ben Amor, Faten Mahjoub, Henda Jamoussi
- PO4.025 Effectiveness of an integrated hospital-primary care lifestyle change program in the treatment of obstructive sleep apnea syndrome and obesity**
Nuria Vilarrosa, Laia Miralles, Carmen Monasterio, Carol Alves, Roser Torta, M Carmen González, Ana Comabella, Mónica Montserrat, Neus Salord
- PO4.026 Genetic risk of type 2 diabetes modifies the association between lifestyle and glycemic health 5 years postpartum**
Emilia Huvinen, Jari Lahti, Tam Tieu, Hannele Laivuori, Elina Engberg, Salla Koivusalo
- PO4.027 Assessing the effectiveness of obesity interventions in the early years: a systematic review and meta-analysis of evidence from high income countries**
Semina Michalopoulou, Maria Sifaki, Jessica Packer, Julie Lanigan, Clare Stansfield, Russell Viner, Simon Russell
- PO4.028 The effect of extended personalization to a combined lifestyle intervention program**
Dagmar J. Smid, Johanneke E. Oosterman, Regina J.M. Kamstra, Wilrike J. Pasman, Iris M. de Hoogh, Suzan Wopereis
- PO4.029 Clinical Finding on Body Mass Index in an Intellectual Disability Population and the effects of the healthy lifestyle intervention clinic during Covid-19**
Patricia Boylan, Prof O'shea
- PO4.030 Driving Physical Activity In Nigerians Living With Overweight or Obesity Via A Digital Self-Care-Focused Intervention**
Ayoposi Ogbeye, Maria Moosa Munnee, Nneka Mobisson
- PO4.031 The efficacy of weight loss program on gut microbiota and metabolic health in patients with obesity**
Libuša Kubáňová, Viktor Bielik, Ivan Hric, Miriam Tkáčiková, Žofia Rádiková, Eva Baranovičová, Marián Grendár, Martin Kolisek, Adela Penesová



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- PO4.032 Deconstructing complex interventions: piloting a framework of delivery features and intervention strategies for the Eating Disorders in weight-related Therapy (EDIT) Collaboration**
Natalie B Lister, Hiba Jebeile, Rabia Khalid, Samantha Pryde, Brittany J Johnson
- PO4.033 Factors Influencing the Response to a Structured Bariatric Lifestyle Intervention in Adults with Severe Obesity: A Prospective Cohort Study**
Francis Martin Finucane, Robert Hughes, Enda Murphy, Irene Gibson, Lisa Hynes, Aisling Harris, Brian McGuire, Mary Hynes, Chris Collins, Kevin Cradock, Suzanne Seery, Jenni Jones, Tim O'Brien, Martin O'donnell
- PO4.034 The impact of digital reward on physical activity and weight loss in service users with prediabetes**
Sukhvinder Kaur Bhakar, Rebecca Holmes
- PO4.035 PERMA-H Wellbeing Program for obesity**
Catherina Jönsson, Clara Estima, Filipa Vieira
- PO4.036 The association between elevated body mass index and wide blood chemistry panel results in apparently healthy individuals**
Tamer Ziv Baran, Asaf Wasserman, Ilana Goldiner, Moshe Stark, Shani Shenhar Tsarfaty, Zach Rozenbaum, Lee Galmor, Itzhak Shapira, David Zeltser, Shlomo Berliner, Ori Rogowski
- PO4.037 Mortality and Incidence of Cardiovascular Events in Individuals with Obesity and Individuals with High Cardiovascular Risk: A UK Retrospective Open Cohort Study**
Jonathan Pearson-Stuttard, Sara Holloway, Kasper Sommer Matthiessen, Andrew Thompson, Lauren Weber, Silvia Capucci
- PO4.038 Re:Mission - A co-produced mixed method evaluation of the NHS Low Calorie Diet Programme: insights into participant experience, service delivery and fidelity**
Louisa Jane Ellis, Catherine Homer, Duncan Radley, Kevin Drew, Karina Kinsella, Jordan Marwood, Tamara Brown, Susan Jones, Pat Watson, Tamla Evans, Pooja Dhir, Maria Bryant, Wendy Burton, Stuart Flint, Adam Martin, Chirag Bakhai, Mark Ashton, Ken Clare
- PO4.039 Behaviour change techniques in low-calorie and very low-calorie diet interventions for weight loss: a systematic review with meta-analysis**
Tamla Sharae Evans, Pooja Dhir, Jamie Matu, Duncan Radley, Andrew Hill, Andrew Jones, Lisa Newson, Katerina Zoe Kolokotroni, Therese Fozard, Louisa Ells
- PO4.040 Does the design of the NHS Low Calorie Diet Programme have fidelity to the programme specification? A documentary review of service parameters and behaviour change content**
Tamla Sharae Evans, Pooja Dhir, Duncan Radley, Cristiana Duarte, Chris Keyworth, Catherine Homer, Andrew Hill, Rhiannon Hawkes, Jamie Matu, James Mckenna, Louisa Ells
- PO4.041 Evaluation of SARS-CoV2 infection and vaccination rates in patients with obesity followed in a Turkish COM**
Feray Akbas, Yeliz Polat, Dilek Yilmaz, Cagatay Selcuk Var, Cansu Varol, Seva Averi, Aysun Nazli
- PO4.042 Overweight and obesity in type 1 diabetes, a perspective from Portugal**
Bruno Almeida, Mafalda Pinto, João Raposo
- PO4.043 Weight dynamics in people with diabetes treated with GLP1-RA (routine clinical practice analysis)**
Jana Makuc
- PO4.044 Polycystic ovary syndrome is becoming very common among girls from ages 14 to 21 yearsold alongside women in their childbearing period. A combination of menstrual irregularities, overweight or obesity, insulin resistance (type2 diabetes) and symptoms**
Mohamed Zaki, Ashraf Aboloz, Mohamed Radwan
- PO4.045 Body composition and obstructive sleep apnoea assessment in adult patients with Prader-Willi syndrome: a case control study**
Gabriella Pugliese, Luigi Barrea, Alessandro Sanduzzi Zamparelli, Giulia De Alteriis, Daniela Laudisio, Giovanna Muscogiuri, Angela Canora, Maria Luisa Bocchino, Annamaria Colao, Silvia Savastano



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- PO4.046** **Prevalence and Pathogenesis of Atrial Fibrillation in Obesity**
Hassan Massoud Heshmati
- PO4.047** **Association between Sarcopenic Obesity and Poor Muscle Quality Based on Muscle Quality Map and Abdominal Computed Tomography**
Chang Hee Jung, Yun Kyung Cho, Sun Joon Moon, Han Na Jung, Joong Yeol Park Park, Woo Je Lee
- PO4.048** **Obesity and retinopathy in type 1 diabetes: an IMI2 SOPHIA analysis of people followed in the University Hospital Leuven**
Sofia Pazmino, Nele Steenackers, Jonathan Rosen, Jeannette Soderberg, Henrik Agersø, Chantal Mathieu, Bart Van Der Schueren
- PO4.049** **High Prevalence of Metabolically Obese Normal Weight Phenotype in People with Type 2 Diabetes in Asian Indians**
Brij Mohan Makkar, Kirti Soota, Kavita Anand, Namrata Harichandan, Jugal Kishore Sharma
- PO4.050** **Cardiovascular Risk Improvement with Semaglutide in Patients with Overweight and Obesity: A Multi-centered Study**
Wissam Ghusn, Diego Anazco, Sima Fansa, Alan De La Rossa, Bryan Nicolalde, Lizeth Cifuentes, Anas Hashem, Alejandro Campos, Khushboo Gala, Maria D. Hurtado, Andres Acosta
- PO4.051** **Body mass index and waist circumference for the risk of hyperuricemia: A nationwide study in Korea**
Ga Eun Nam, Youn Huh
- PO4.052** **Patient Centred Service Evaluation - Lower Limb Compression Treatment in a Level 3 WMS**
Katie Hayes, Colin Dunlevy, Jean O' Connel
- PO4.053** **Patient Reported Barriers & Enablers to Improve Adherence to Lower Limb Compression Treatment in a Level 3 WMS**
Katie Hayes, Colin Dunlevy, Jean O' Connell
- PO4.054** **Overweight and Obesity are associated with low arterial Oxygen Saturation in a population of individuals with Diabetes Mellitus**
Livio Luzzi, Anna Ferrulli, Concetta Macri, Cesare C. Berra, Cristina Romano, Stefano Massarini
- PO4.055** **Obesity is associated with renal disease regardless of glucose metabolism**
Enric Sánchez, Marta Bueno, Marcelino Bermúdez, Raquel Martí, Raquel Ruano, José Manuel Valdivielso, Marta Zorzano, Albert Lecube
- PO4.056** **Long term treatment of obese type 2 diabetic patients with incretine analogues**
Stepan Svacina, Jan Hendl
- PO4.057** **High prevalence of previously undiagnosed obesity-related comorbidities in the HOBIT-AF trial**
Iva Jakubikova, Kristyna Koscalova, Peter Novodvorsky, Ludek Horvath, Iveta Pleyerova, Barbora Dolezalova, Josef Kautzner, Martin Haluzik
- PO4.058** **Sexual dysfunction and overall perception of health in females with obesity**
Martina Matovinović, Nenad Jakšić, Katarina Ivana Tudor, Filip Mustač, Maja Baretić, Bjanka Vuksan Čusa
- PO4.059** **Relationship between Whole blood viscosity and Metabolic Syndrome components in Korea**
Byoungduck Han, Cheol Young Park, Yang Hyun Kim
- PO4.060** **The effect of propolis in the treatment of metabolic syndrome**
Svetoslav Handjiev
- PO4.061** **Association between Obesity And Quality of Life in People Living with Type 1 Diabetes: An IMI2 SOPHIA post-hoc analysis**
Nele Steenackers, Sofia Pazmino, Sara Charleer, Christophe De Block, Diederik De Cock, Carl Delfin, Pieter Gillard, Frank Nobels, Jonathan Rosen, Jeannette Soderberg, Thomas Sparsø, Chantal Mathieu, Bart Van der Schueren



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- PO4.062 Obesity and nephropathy in type 1 diabetes: an IMI2 SOPHIA analysis of people followed in the University Hospital Leuven**
Nele Steenackers, Sofia Pazmino, Jonathan Rosen, Jeannette Soderberg, Henrik Agersø, Chantal Mathieu, Bart Van der Schueren
- PO4.063 Evaluation of different methods to measure muscle mass in a population with obesity: MUSCLE study**
Dionne Sizoo, Loek Jm De Heide, Marloes Emous, Tim Van Zutphen, André P Van Beek
- PO4.064 Obesity also goes unnoticed in Endocrinology and Nutrition services. Why don't we evaluate first as we do in our center?**
Albert Lecube, Marta Zorzano, Marta Bueno, Nuria Piñol, Cristina Moreno, Carla Abella, Cristina Domínguez, Raquel Martí, Raquel Ruano, Enric Sánchez
- PO4.065 Are the current thigh skinfold cutoff points for lipodystrophy screening suitable for the Brazilian population?**
Renan Magalhães Montenegro Junior, Jéssica Silveira Araújo, Fábía Karine De Moura Lopes, Larissa Luna Queiroz, Luana Matos Souza, Lorena Taúsz Tavares Ramos, Victor Rezende Veras, Camila Lopes Do Amaral Costa, Grayce Ellen Paiva, Bruna Kubrusly, Amanda Caboclo Flor, Lana Livia Linard, Antonio Brazil Junior, Maria Helene Gurgel Castelo, Clarisse Mourão Melo Ponte, Cynthia Melissa Valério, Virginia Oliveira Fernandes
- PO4.066 Sarcopenia and poor muscle quality associated with severe obesity in young adults and middle-aged adults**
Alessandra R P Mulder, Tamyris Lira Da Silva, Guilherme Kraemer
- PO4.067 Impact of endogenous vs. exogenous ketones on energy expenditure in healthy participants**
Franziska Anna Hägele, Rebecca Dörner, Jana Koop, Marie Lübken, Ulrike Seidel, Gerald Rimbach, Manfred James Müller, Anja Bosy Westphal
- PO4.068 The OPTIFAST (OP) Total and Partial Meal Replacement Program Improves Cardiometabolic Risk in Adults With Obesity – Secondary and Exploratory Analysis of the OPTIWIN Study**
Odd Erik Johansen, Ian J Neeland, Amy E Rothberg, Robert Chilton, Daniel De Luis, Andrea Hirsch Hawkinson, Sarah C Cohen, Jamy D Ard
- PO4.069 Can we correct the vitamin and mineral's deficiency of the persons living with obesity during a low-calorie diet?**
Mihaela Posea, Emilia Rusu, Gabriela Radulian
- PO4.070 Cardio-metabolic risk in patients with extreme obesity**
Adela Penesova, Libuša Kubáňová, Ivan Hric, Simona Ugrayová, Žofia Rádiková, Andrea Havranová, Viktor Bielik
- PO4.071 A dietary intervention for weight loss in Greek adults; preliminary results of the iMPROVE study**
Maria Kafyra, Ioanna Panagiota Kalafati, Ioanna Panagiota Kalafati, Sophia Lambrinou, Souzana Ioakeimidou, Athina Doulme Iosifidou, Spyridoula Tsioni, Iraklis Varlamis, Andriana C Kaliora, George V Dedoussis
- PO4.072 Effects of high fiber plant-based diet, with or without isolated inulin-type fructans, on gut microbiota composition and cardiometabolic health**
Mona Adnan Aldubayan, Martin Frederik Laursen, Xiaotian Mao, Kristina Pigsborg, Lars H. Christensen, Henrik M. Roager, Dennis S. Nielsen, Mads Fiil Hjorth, Faidon Magkos
- PO4.073 Impact of workplace obesity management intervention program on work ability of employees and workers in a multinational car assembly factory in Egypt**
Rania Mostafa El Sallamy, Noha Mohamed Elghazally
- PO4.074 Body composition and body fat distribution in tissue-specific insulin resistance and in response to a 12-week isocaloric dietary macronutrient intervention**
Inez Trouwborst, Kelly M Jardon, Anouk Gijbels, Gabby Hul, Edith Jm Feskens, Lydia A Afman, Jennifer Linge, Gijs H Goossens, Ellen E Blaak
- PO4.075 The preventive diet-based counseling effectiveness as a method of weight correction in patients with obesity and cardiac pathology**
Sofya Olegovna Eliashevich, Anastasia Vladimirovna Orekhova, Elena Mikhailovna Filichkina, Elena Borisovna Yarovaya, Oxana Mikhailovna Drapkina



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- PO4.076** **From diabetes, hypertriglyceridemia, NAFLD and Obesity to healthy young male with VLCKD - a case report**
Brian Joel Crespo
- PO4.077** **Effects of High-amylose Rice Supplementation on Glycemic Control**
Hyemin Chun, Miae Doo, Eunkyung Suh, Kunhee Han, Yang Im Hur
- PO4.078** **Food serving self-monitoring strategy for improving adherence to dietary interventions in adults living with obesity**
Stefan Adrian Moisa, Andreea Gherasim, Otilia Nita, Lidia Iuliana Arhire, Laura Mihalache
- PO4.079** **An initial validity test of the PortionSize™ smartphone app, a novel app to both assess and improve dietary intake**
Corby K. Martin, Chloe Lozano, Sanjoy Saha, Stephanie T. Broyles, Hanim E. Diktas, John W. Apolzan
- PO4.080** **Clinical Evaluation of Liraglutide 3.0mg in the Treatment of Obesity using Real-World UK data**
Laurence J Dobbie, Claudia Coelho, Keisha Chauhan, Scott Campbell, Joanna Hollington, Daniela Alves, Sarah Appleton, Piya Sen Gupta, Alastair Duncan, Barbara McGowan
- PO4.081** **The Impact of Arterial Stiffness on Acute Gain During Percutaneous Coronary Intervention According to Obesity**
Joe Bin Seo
- PO4.082** **Real-world data of GLP-1 RAs in an overweight population: who are they and what weight is lost?**
Guilherme Vaz De Assunção, Henar Casal De Andres, Estefania Chumbianca Vela, Saioa Echeverria Andueza, Silvia Paredes, Camilo Silva Froján, Javier Escalada San Martin
- PO4.083** **A randomized controlled pivotal study of a biodegradable device for weight loss: Study design and rationale**
Jamy D Ard, Donna H Ryan, Patrick M O'neil, Robert F Kushner, Frank Greenway, Harold E Bays, Holly R Wyatt, John Jakicic, Damaris Vega, Yael Kenan, Ruthie Amir, Gil Harari, Odd Erik Johansen, Thomas A Wadden
- PO4.084** **A Cross-sectional Study of Body Composition and Strength Measures in Persons with Overweight or Obesity**
Lloyd Klickstein, Kiran Dole, Susan Angel, Shawn Carter, Many Harsch, Susan Spruill, Jessica Bautista, Kenneth Attie
- PO4.085** **Effects of an obesity treatment program using auricular acupuncture stimulation with beads on weight loss in Japanese men**
Fujimoto Takahiro, Miyuki Oikawa, Kazuo Taniguchi, Takeshi Hataoka, Takanori Kobayashi, Chisako Azuma, Hidetake Kobayashi
- PO4.086** **Exploring gender differences in weight loss maintenance after a 5-week treatment with high frequency repetitive Transcranial Magnetic Stimulation for obesity**
Anna Ferrulli, Stefano Massarini, Concetta Macri, Pamela Senesi, Ileana Terruzzi, Daniele Cannavaro, Livio Luzi
- PO4.087** **Low dose semaglutide use for weight loss in an Emirati population living with obesity: a retrospective study**
Matthew Allum, Adam Buckley, Mohamed Suliman, Nader Lessan, Nagi Mohammed, Abdelhadi Azaizeh, Sara Suliman
- PO4.088** **An evaluation of an emotional eating pilot intervention for UK adults eligible for Tier 3 weight management support**
Jordan R. Marwood, A B Sirin Ayva, Nadine Heywood, Bev Marks, Paul Gately, Sophie Edwards
- PO4.089** **The GLP-1 analogue battle: Effects of semaglutide 0.5mg/weekly versus liraglutide 3mg/daily on anthropometric parameters after 3 months in a real world-scenario**
Antelm Pujol, Jorge Blanco, Apolonia Gil, Joana Nicolau
- PO4.090** **First experience with GLP-1 RA for bailout treatment in a patient after unsuccessful effect of bariatric surgery**
Tomáš Bolek, Jakub Jurica, Boris Focko, Martin Jozef Pěč, Peter Galajda, Matej Samoš, Marián Mokán
- PO4.091** **Innovative Psychological Treatment for Mental and Metabolic Health Disorders**
Heather C Hamilton



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- PO4.092** **What is the Impact of Probiotic Supplementation on Depression Symptoms in Patients with Obesity?**
Rym Ben Othman, Zeineb Zemni, Amel Gamoudi, Olfa Berriche, Chaima El Ghali, Ramla Mizouri, Nadia Ben Amor, Faten Mahjoub, Henda Jamoussi
- PO4.093** **Change in body image and quality of life in people with obesity during a low-calorie formula-based diet - Results from the LION study**
Meike Wiechert, Anna Reik, Nicole Thurner, Florian Schederecker, Hans Hauner, Christina Holzapfel
- PO4.094** **Patients with severe obesity with different degree of glucose metabolic deterioration: FINDRISC score, circulating adipokines and visceral adiposity index**
Stefania Mai, Chiara Mele, Gabriele Guzzaloni, Sabrina Maestrini, Paolo Marzullo, Massimo Scacchi
- PO4.095** **Effect of periodontitis on body size phenotypes in apparently healthy adults: The Korean National Health and Nutrition Examination Survey 2013-2015**
Young Sang Lyu, Sang Yong Kim, Jin Hwa Kim
- PO4.096** **Intensive lifestyle intervention for remission of early type 2 diabetes and weight-loss in primary care in Australia (DiRECT-Aus)**
Samantha Hocking, Tania Markovic, Crystal Man Ying Lee, Tegan Picone, Kate Gudorf, Stephen Colagiuri
- PO4.097** **Uricemia and lipid profile in adult population with obesity**
Zeineb Zemni, Nesserine Dhieb, Ramla Mizouri, Chaima Sdiri, Rym Ben Othman, Nadia Ben Amor, Olfa Berriche, Faten Mahjoub, Henda Jamoussi
- PO4.098** **Association between abdominal obesity and diabetic neuropathy in type 2 diabetes: Results from a National Health Insurance Service-National Sample Cohort, 2015**
Chong Hwa Kim, Su Jin Jeong, Dae Jung Kim, Sung Rae Kim
- PO4.099** **Semaglutide Weight Loss and Metabolic Parameters Outcomes: A 1-Year Multicentered Study**
Wissam Ghusn, Sima Fansa, Bryan Nicolalde, Alan De La Rossa, Lizeth Cifuentes, Daniel Sacoto, Diego Anazco, Khushboo Gala, Alejandro Campos, Fauzi Feris, Maria D. Hurtado, Andres Acosta
- PO4.100** **Does probiotics consumption improve glycemic parameters in adults with obesity?**
Rym Ben Othman, Zeineb Zemni, Chaima El Ghali, Wafa Douiri, Olfa Berriche, Ramla Mizouri, Nadia Ben Amor, Faten Mahjoub, Henda Jamoussi
- PO4.101** **Prediabetes, metabolic syndrome and their relationship to cardiovascular risk**
Vesela Mihneva, Ivaylo Bogomilov, Ivona Daskalova
- PO4.102** **Determining Quality Goals for LDL-C using prevailing clinical guidelines as a roadmap**
Sojit Tomo, Shrimanjunath Sankanagoudar, Mithu Banerjee, Praveen Sharma
- PO4.103** **Hybrid Closed Loop in obesity: to each his own (algorithm!)**
Nicola Tecce, Giovanni Chirico, Ludovica Verde, Angelo Foglia, Annamaria Colao, Luigi Barrea, Giovanna Muscogiuri
- PO4.104** **Stimulation of the beta-2-adrenergic receptor with salbutamol activates human brown adipose tissue**
Carlijn A. Hoekx, Maaïke E. Straat, Floris H P Van Velden, Lenka M. Pereira Arias Bouda, Lauralyne Dumont, Denis P. Blondin, Mariëtte R. Boon, Borja Martinez Tellez, Patrick C N Rensen
- PO4.105** **Impact of reformulated baked goods interventions on cardiometabolic health: a systematic review and meta-analysis of randomised controlled trials lasting three weeks or more**
Aishat Mary Osagie, Ada Garcia, Emilie Combet
- PO4.106** **VLCKD: a suitable nutritional approach for people with obesity and glucose derangements?**
Giovanni Chirico, Annamaria Docimo, Ludovica Verde, Nicola Tecce, Annamaria Colao, Luigi Barrea, Giovanna Muscogiuri
- PO4.107** **The Mediterranean Diet: effects on insulin resistance and secretion in people with obesity**
Annamaria Docimo, Ludovica Verde, Claudia Vetrani, Luigi Barrea, Annamaria Colao, Giovanna Muscogiuri



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- PO4.108 Association of BMI and serum levels of copper, Cu/Zn ratio, uric acid, and lipids in women with obesity**
Martina Matoviniović, Ljiljana Zaninović
- PO4.109 Overweight population in real world: weight and cardiometabolic outcomes with GLP-1 RAs treatment**
Guilherme Vaz De Assunção, Henar Casal De Andres, Estefania Chumbianca Vela, Saioa Echeverria Andueza, Silvia Paredes, Camilo Silva Froján, Javier Escalada San Martin
- PO4.110 The impact of Reset Health programmes on glycaemic control and requirement for anti-hyperglycaemic medication**
Anita Phung, Laura Falvey, Adrian Brown, Dipesh Patel, Jonathan Kwan, Siri Steinmo, Danielle Eaton, Ling Chow, Barbara McGowan
- PO4.111 Obesity is in the “house”. What do medical doctors and surgeons think about the presence and impact of obesity?**
Iñaki Marina, Magda Muelas, Maria Terrones, Domingo Bleda, Perla Yupanqui, Gerardo Rodriguez, Mónica Ruiz Pombo
- PO4.112 Effectiveness of a multidisciplinary program for obesity during the COVID-19 pandemic in a tertiary care institution in Mexico City**
Emma Adriana Chávez Manzanera, Melisa Cardona Vicario
- PO4.113 Healthcare Service Interventions to Improve the Healthcare Outcomes of Hospitalised Patients with Extreme Obesity: An Evidence and Gap Map**
Caz Hales, Rebecca Chrystall, Anne Marie Haase, Mona Jeffreys
- PO4.114 Effectiveness of liraglutide 3mg as an antiobesity medication among women in their postmenopausal period**
Jorge Blanco Anesto, Joana Nicolau Ramis
- PO4.115 Barriers to accessing publicly funded specialist weight management services in England: A multi-perspective qualitative study**
Karen D Coulman, Jane M Blazebly, John Macleod, Amanda Owen Smith
- PO4.116 WBC: a booster for rehabilitation in frail patients with obesity**
Jacopo Maria Fontana, Paolo Capodaglio
- PO4.117 The benefit of “ Standardized Preventive Procedure for the Management of Overweight and Obesity of Adults with a Focus on Counseling Care for People Living with Obesity**
Hana Vrabcová, Viktor Kosmovský, Iveta Gondášová
- PO4.118 An evaluation of tier 2 weight management services in the Yorkshire and Humber region**
Jordan David Beaumont, Elysa Ioannou, Nicola Corrigan, Lucie Nield
- PO4.119 Virtual Group Multidisciplinary Saxenda Clinic; a service evaluation and a patients’ experience survey**
Danielle Wigg, Marie Bird, Leonie Williams, Hassan Kahal
- PO4.120 The effects of multidisciplinary therapy on reduce ultra-processed foods consumption and its impact on cardiometabolic risks factor analyzed by weight loss magnitude in women with obesity**
Gisele Farias, Carolina Kim Shiba, Bárbara Dalmolin Netto, Gabriela Iervolino De Oliveira, Paola Próspero Machado, Samantha Otani Crocco Rhein, Lila Missae Oyama, David Thivel, Raquel Munhoz Da Silveira Campos, Ana Raimunda Dâmaso
- PO4.121 Effects of Digital-Enhanced Lifestyle Intervention Combined with Phentermine-Topiramate or Placebo on Weight Loss and Cardiovascular Risk Outcomes: A 12-month Single-Centre Double-blind Randomized Trial**
Alejandro Campos, Wissam Ghusn, Lizeth Cifuentes, Daniel Sacoto, Sima Fansa, Diego Anazco, Maria Laura Ricardo Silgado, Anas Hashem, Megan Schaefer, William S Harmsen, Maria D. Hurtado, Andres Acosta
- PO4.122 Comparison of NAFLD indexes (VAI, LBVI, FLI, HSI) and liver US as hepatosteatosis predictors in patients with obesity**
Feray Akbas, Isil Isel, Hanife Usta Atmaca, Mehmet Emin Piskinpasa



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- PO4.123** **Specific pattern of microbiome and fecal metabolite in patients with obesity associated NAFLD**
Enzamaria Fidilio, Xingpeng Xiao, Marta Comas, Vanesa Paola Flores, Fiorella Ximena Palmas, Francesca Filippi Ariaga, Raúl Herance, [Andrea Ciudin](#)
- PO4.124** **Short- and long-term effects of bariatric surgery on Non-Alcoholic Fatty Liver Disease in patients with obesity**
[Silvia Bettini](#), Gabriella Milan, Giancarlo Bombonato, Roberto Fabris, Chiara Dal Prà, Giulia Maria Pontesilli, Mirto Fioletto, Luca Prevedello, Paolo Angeli, Luca Busetto, Roberto Vettor
- PO4.125** **Cutoff Points of Waist Circumference for Predicting Incident Non-Alcoholic Fatty Liver Disease in Korean middle aged and older adults**
Yu Jin Kwon, Jun Hyuk Lee, Soyoung Jeon, Hye Sun Lee
- PO4.126** **Visceral obesity and Cytokeratin-18 antigens as early biomarkers of liver damage**
[Giulia De Alteriis](#), Gabriella Pugliese, Giovanna Muscogiuri, Luigi Barrea, Valentina Cossiga, Giuseppe Perruolo, Michele Di Tolla, Pietro Formisano, Annamaria Colao, Filomena Morisco, Silvia Savastano
- PO4.127** **Neck circumference as a simple marker of NAFLD progression in patients with Metabolic Syndrome**
Maria Palumbo, Antonio Salvati, Maurizia Brunetto, [Stefania Camastra](#)
- PO4.128** **Change in Fibrosis-4 Index (FIB4) over time is associated with subsequent risk of liver events, cardiovascular events, and all-cause mortality in people with obesity and/or type 2 diabetes (T2D)**
Quentin M. Anstee, Tina L. Berentzen, Louise M. Nitze, [Maximilian Jara](#), Anders Jensen, Mette S. Kjær, Kamal K. Mangla, Jens M. Tarp, Kamlesh Khunti
- PO4.129** **The Antioxidant Potential of the Mediterranean Diet as a Predictor of Weight Loss After a Very Low-Calorie Ketogenic Diet (VLCKD)**
[Ludovica Verde](#), Xavier Capò, Giuseppe Annunziata, Maria Hassapidou, Annamaria Docimo, Silvia Savastano, Annamaria Colao, Giovanna Muscogiuri, Luigi Barrea
- PO4.130** **Does dietitian-led Very Low Calorie Diet Clinic intervention impact surgical risk and physical status of patients with overweight and obesity awaiting major elective, non-bariatric surgery?**
[Sally Griffin](#), Michelle Palmer, Esben Strodl, Rainbow Lai, Teong Chuah, Matthew Burstow, Lynda Ross
- PO4.131** **Changes in body composition and homeostatic control of resting energy expenditure during dietary weight loss**
[Manfred James Müller](#), Steven B Heymsfield, Anja Bosa Westphal
- PO4.132** **EDIT Collaboration: Furthering our understanding of eating disorder risk during obesity treatment**
Hiba Jebeile, Louise A Baur, Susan J Paxton, Sarah P Garnett, Amy L Ahern, Denise E Wilfley, Sarah Maguire, Amanda Sainsbury, Katharine Steinbeck, Caroline Braet, Andrew J Hill, Dasha Nicholls, Rebecca A Jones, Genevieve Dammy, Alicia Grunseit, Kelly Cooper, Theodore K Kyle, Faith A Heeren, Kylie E Hunter, Caitlin M McMaster, Brittany J Johnson, Anna L Seidler, Natalie B Lister
- PO4.133** **Views, perceptions, and experiences of type 2 diabetes or weight management programmes among minoritised ethnic groups living in high-income countries: A systematic review of qualitative evidence**
[Pooja Dhir](#), Tamla S Evans, Kevin J Drew, Maria Maynard, James Nobles, Catherine Homer, Louisa J Ellis
- PO4.134** **A Clinical Trial to investigate the effectiveness of the Green-lipped mussel extract for relieving pain in moderate osteoarthritis: A randomized, Double-Blind**
[Seong Ho Han](#), Qing Li, Jongsoon Choi
- PO4.135** **Very Low-Calorie Ketogenic Diet (VLCKD): an antihypertensive nutritional approach**
[Luigi Barrea](#), [Ludovica Verde](#), Annamaria Colao, [Silvia Savastano](#), [Giovanna Muscogiuri](#)
- PO4.136** **Very Low-Calorie Ketogenic Diet (VLCKD): a tool for fat kidney?**
[Ludovica Verde](#), Annamaria Docimo, Giovanni Chirico, Nicola Tecce, Annamaria Colao, [Luigi Barrea](#), [Giovanna Muscogiuri](#)



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- PO4.137** **A food for special medical purposes in the treatment of patients with intestinal malabsorption**
Edda Cava, Maria Grazia Carbonelli, Francesca Anzolin, Barbara Paolini, Stefano Pintus, Farnaz Rahimi, Massimo Vincenzi, Carmela Bagnato, Valeria Lagattola
- PO4.138** **Impact of the implementation of a shared decision-making model: result of a pilot study in patients with obesity**
Andreea Ciudin, Karla Salas Gama, Efrain Pantoja, Georgina Martinez, Alba Zabalegui, Efrain Cordero, Marta Comas, Soledad Romea, Ana Marti
- PO4.139** **Patient Experience and Journey Mapping with New Digital Methodology: Use for Integrating into Health Service Delivery for Patients of Larger Size**
Caz Hales, Patrick Dodson, Anne Marie Haase, Mona Jeffreys
- PO4.140** **Patient perspectives about obesity treatment preferences**
Hilary C Craig, Dalal Alaseed, Le Roux W Carel
- PO4.141** **Perceptions of barriers to effective obesity care: results from the ACTION (Awareness, Care and Treatment in Obesity MaNagement) study in Ireland**
Fiona Cusack, Francis Finucane, Michael Crotty
- PO4.142** **A Study on the Effectiveness of Narrative Therapy on Weight Loss among Overweight Adults**
Elnaz Zahed
- PO4.143** **The role of Weight Stigma Concerns and Internalized Weight Bias on Post-Bariatric Surgery Grazing**
Eugenia Romano, Jason Halford, Charlotte A. Hardman, Jo Harrold, Eric Robinson
- PO4.144** **The obesity paradox and the enigma of underweight in nursing home care**
Helen Rook, Caz Hales, Kathy Nelson, Isaac Amankwaa
- PO4.145** **Prevalence of Stigma and Bias Against People with Obesity Among Staff at an Irish University Teaching Hospital**
Caithiona Lynch, Bernard Mccarthy, Francis Finucane
- PO4.146** **Perceived weight stigma in healthcare settings among adults living with obesity in the Netherlands: A cross-sectional investigation of the relationships with BMI and person-centred care**
Paige I Crompvoets, Jane M Cramm, Elisabeth F C Van Rossum, Anna P Nieboer
- PO4.147** **Comparing attitudes towards people living with obesity of medical, nursing and nutrition and dietetics students**
Oana Madalina Cozma, Andreea Gherasim, Otilia Nita, Laura Mihalache, Lidia Iuliana Arhire
- PO4.148** **Lifestyle change narratives in long-term weight management**
Anu Joki, Satu Venäläinen, Mikael Fogelholm, Johanna Mäkelä, Jatta Salmela, Tea Lallukka, Hanna Konttinen
- PO4.149** **Back to work after bariatric surgery? A Belgian population study**
Amber Van den Eynde, Diederik De Cock, Valérie Fabri, Wies Kestens, Tonio Di Zinno, Steven Brabant, Ann Mertens, Roman Vangoitsenhoven, Ellen Deleus, Matthias Lannoo, Ronny Bruffaerts, Agnès Leclercq, Bart Van der Schueren
- PO4.150** **Overweight and Obesity in a specialist psychogeriatric unit**
Terry Vu, Manoj George, Rajesh Gupta
- PO4.151** **Post-bariatric reconstructive surgery - more than striving for the perfect body**
Britta Pehlke, Filippa Oliviera, Fabian Nehls, Tobias Hirsch, Alexander Frederik Dermietzel
- PO4.152** **A mixed methods programme of study exploring weight management in adult secure mental health settings**
Susanna Mills, Iain McKinnon, Eileen Kaner, Sheena Ramsay
- PO4.153** **Recommendations for nutritional screening after sleeve gastrectomy and Roux-en-Y gastric bypass: a scoping review**
Nele Steenackers, Lotte De Boer, Ellen Deleus, Matthias Lannoo, Christophe Matthys, Ann Mertens, Sofia Pazmino, Roman Vangoitsenhoven, Bart Van Der Schueren



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- PO4.154** **Are nutritional bariatric specialized supplements in Belgium meeting the guidelines for bariatric surgery?**
Nele Steenackers, Charlotte Dekempeneer, Ellen Deleus, Matthias Lanno, Ann Mertens, Sofia Pazmino, Roman Vangoitsenhoven, Christophe Matthys, Van der Schueren Bart
- PO4.155** **Factors influencing referral for bariatric surgery in the Netherlands from healthcare professionals' perspective: a qualitative study**
Franshelis K. Garcia, Isabelle Schneider, Bob C. Mulder, Eric J. Hazebroek, Maria A. Koelen, Kirsten T. Verkooijen
- PO4.156** **"What would be left of me?: Patient views on the risks of obesity treatment. An IMI2 SOPHIA study**
Emma Farrell, Eva Hollmann, Carel W Le Roux, Joe Nadglowski, Deirdre McGillicuddy
- PO4.157** **What is success? Patient desired response from obesity treatment. An IMI2 SOPHIA study**
Emma Farrell, Eva Hollmann, Carel W Le Roux, Joe Nadglowski, Deirdre Mc Gillicuddy
- PO4.158** **Inequalities in the attendance and effectiveness of behavioural weight management interventions for adults in the UK: An individual participant data (IPD) meta-analysis**
Jack M Birch, Julia Mueller, Rebecca A Jones, Stephen J Sharp, Michael P Kelly, Simon J Griffin, Amy L Ahern
- PO4.159** **Synergic effect of Aureobasidium Pullulans produced beta-glucan and regular exercise on muscle strength, biomarkers, and fitness profiles in adults with relative sarcopenia: a randomized, double-blinded, placebo-controlled trial**
Ye Lee Lee, Sang Yeoup Lee
- PO4.160** **Effect of COVID-19 Pandemic on common vitamin D deficiency in society**
Feray Akbas, Meryem Eksi, Ugur Arda, Yelda Kocyyigit, Gokalp Avlagi
- PO4.161** **Online medical education advances physicians' understanding of obesity-related risks and management of persons with obesity**
Joachim Trier, Arya M Sharma, Marcel Meijer
- PO4.162** **How to start a conversation with your patient about obesity - physicians' knowledge enhanced by online medical education**
Joachim Trier, Arya Sharma, Marcel Meijer
- PO4.163** **Study of How Adiposity in Pregnancy has an Effect on outcomeS (SHAPES): a cohort study protocol**
Giang Nguyen, Theophile Bigirimurame, Raya Vinogradov, Victoria Murtha, Dawn Teare, Louise Hayes, Susan Lennie, Rebecca Tothill, John Allotey, Janine Smith, Luke Vale, Nicola Heselhurst
- PO4.164** **Association of Decreased Bone Mineral Density with Body Fat in Korean women: A Retrospective Cohort Study of Kangbuk Samsung Health Care Database 2012-2019**
Hyunjung Yoon, Eunju Sung, Jaeheon Kang
- PO4.165** **Association between weight loss and change in thyroid-stimulating hormone levels in adults with overweight or obesity - a pooled post-hoc analysis of the STEP studies**
Salman Razvi, Anders Rasmussen Rinnov, Kevin Tan, Alicja Wizert, John Wilding
- PO4.166** **Correlations between Weight Loss and Metabolic Indices After a 6-month Intervention with the Novel Weight Loss Product EMP16**
Ulf Holmbäck, Stefan Grudén, Helena Litorp, Sandra Kuusk, Göran Alderborn, Arvid Söderhäll, Anders Forslund
- PO4.167** **Diverse genotypes and phenotypes of a large cohort of Brazilian patients with Familial Partial Lipodystrophy (FPLD)**
Cynthia M Valerio, Luiz F Viola, Natália R Guidorizzi, Victor R Veras, Virginia O Fernandes, Grayce Ellen P Lima, Amanda Caboclo Flor, Raquel Muniz, Maria Cristina Foss Freitas, Francisco José Albuquerque De Paula, Lenita Zajdenverg, Joana R Dantas, Amélio F Godoy Matos, Renan M Montenegro Júnior
- PO4.168** **Drivers of adherence to medication in obesity management**
Arya M. Sharma, Susie Birney, Michael Crotty, Nick Finer, Gabriella Lieberman, Ricardo Arturo Reynoso Mendoza, Verónica Vázquez Velázquez, Bernard Vrijens



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- PO1.096** **Complex lifestyle intervention modulates plasma extracellular vesicles and their acute exercise-induced dynamics in adults with obesity**
Oksana Mytjai, Nikoleta Alchus Laiferová, Petronela Forišek Paulová, Kristina Ukropcová, Patrik Konrády, Viera Litvaková, Peter Minárik, Lucia Slobodová, Jozef Ukrapec, Barbara Ukropcová
- PO1.097** **Neutrophil serine proteases as the endogenous suppressors of white adipose tissue browning and adaptive thermogenesis in obesity**
Lufengzi Yuan, Sanxin Gao, Xiaoping Wu, Zixuan Zhang, Jiuyu Zong, Mengxue Jiang, Zhihui Ping, Aimin Xu, Ruby Lai Chong Hoo, Aimin Xu, Ruby Lai Chong Hoo
- PO1.098** **Communication between adipose tissue and bone: Waist/hip ratio a significant predictor of Undercarboxylated Osteocalcin in Obesity**
Venera Berisha Muharremi, Bernard Tahirbegolli, Driton Sopa, Amir Rexhepi, Albion Luzha
- PO1.099** **Cold-induced thermogenesis shows a diurnal variation, that unfolds differently in males and females**
Mariëtte Boon, Maaike Straat, Borja Martinez Tellez, Ashley Sardjoe Mishre, Magdalena Verkleij, Mirjam Kemmeren, Iris Pelsma, Juan Alcantara, Andrea Mendez Gutierrez, Sander Kooijman, Patrick Rensen
- PO1.100** **Co-supplementation with dietary nitrate and resveratrol enhance the cellular response to aerobic exercise in a model of high-fat diet-induced obesity**
Rachel M Handy, Geneviève J Desormeaux, Sara M Frangos, Sandra Guga, Graham P Holloway
- PO1.101** **Towards understanding stress-related metabolism: relationship of long-term hair glucocorticoid levels and circulating FGF21 in patients with obesity**
Robin Lengton, Susanne Kuckuck, Mostafa Mohseni, Eline S. Van Der Valk, Mariëtte R. Boon, Robert J. De Knegt, Sjoerd A. A. Van Den Berg, Anand M. Iyer, Elisabeth F. C. Van Rossum
- PO1.102** **The Reward Value of Oral Erythritol in Comparison to Sucrose and Sucralose**
Emilie Flad, Fabienne Teysseire, Aleksandra Budzinska, Nathalie Weltens, Lukas Van Oudenhove, Christoph Beglinger, Bettina Wölnerhanssen, Anne Christin Meyer Gerspach
- PO1.103** **The relationship between metabolic endotoxemia and brown adipose tissue metabolic activity: a cross-sectional study in two independent cohorts of adults**
Francisco Miguel Acosta Manzano, Mercedes Clemente Postigo, Mueez U Din, Francisco J Osuna Prieto, Juho Raiko, Teemu Saari, Borja Martinez Tellez, Guillermo Sanchez Delgado, Francisco J Tinahones, Pirjo Nuutila, Kirsi A Virtanen, Jonatan R. Ruiz
- PO1.104** **Effect of Diet-Induced Weight Loss on Telomere Length and Mitochondrial DNA Copy Number Variations in Patients with Obesity: a pilot study**
Raffaella Canello, Federica Rey, Stephana Carelli, Stefania Cattaldo, Jacopo Maria Fontana, Ilaria Goitre, Valentina Ponso, Fabio Dario Merlo, Gianvincenzo Zuccotti, Simona Bertoli, Simona Bo, Paolo Capodaglio, Amelia Brunani
- PO1.105** **Liver-associated dysmetabolism is related to brain structure and perfusion changes in obesity: the BARICO study**
Florine Seidel, Debby Vreeken, Emma Custers, Maximilian Wiesmann, Serdar Özsezen, Wim Van Duyvenvoorde, Martien Caspers, Aswin Menke, Martine C. Morrison, Lars Verschuren, Marco Duering, Eric J. Hazebroek, Amanda J. Kiliaan, Robert Kleemann
- PO1.106** **Conversion from Trimethylamine to Trimethylamine N-oxide in patients with coronary heart disease is sex-dependent: CORDIOPREV study**
Helena García Fernández, Antonio Pablo Arenas De Larriva, Diego Rodríguez Cano, Juan Francisco Alcalá Díaz, Marina Mora Ortiz, Laura Martin Piedra, Diego Luque Córdoba, Jose David Torres Peña, Feliciano Priego Capote, Francisco Javier Delgado Lista, Jose López Miranda, Antonio Camargo
- PO2.126** **Exploring attitudes and perceptions regarding obesity on Twitter during the COVID-19 pandemic: A sentiment analysis and topic modeling approach**
Jorge César Correia, Sarmad Shaharyar Ahmad, Ahmed Waqas, Zoltan Pataky



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- PO2.127** **Enrollment, engagement, and effectiveness of a diabetes prevention program delivered using synchronous distance technology**
Carolyn Dunn, Cathy Thomas, Sarah Myer, Casey Collins, Kelly Nordby, Surabhi Aggarwal
- PO2.128** **Patient-led obesity stigma awareness training for entry level healthcare students in Ireland - perceptions and feedback**
Susie Birney, Maura Murphy, Bernadette Keenan, Laurence Hoey, Marion Bagnall, Mags Healy, Ben Whelan, Leanne Kendellen, Annemarie E Bennett, Tracey Harrington, Sarah Browne, Fiona C Mcgillicuddy, Gráinne O'donoghue, Jean O'connell
- PO2.129** **"What happened, [you] used to be so pretty" - the lived experiences of obesity-related stigma: an IMI2 SOPHIA study**
Eva Hollmann, Emma Farrell, Carel W Le Roux, Joe Nadglowski, Deirdre McGillicuddy
- PO2.130** **Modelling productivity-adjusted life-expectancy associated with higher body mass index**
Gintare Valentelyte, Jan Sørensen
- PO2.131** **Feasibility and acceptability of an acceptance-based guided self-help programme for weight loss maintenance**
Julia Mueller, Rebecca A. Jones, Rebecca Richards, Jennifer Woolston, Fiona Whittle, Andrew J. Hill, Carly A. Hughes, Robbie Duschinsky, Stephen J. Sharp, Clare Boothby, Jennifer Bostock, Penny Breeze, Alan Brennan, Francesco Fusco, Emma R Lawlor, Stephen Morris, Simon J. Griffin, Amy L. Ahern
- PO2.132** **Obesity As A Disease: Philosophical Considerations**
Margaret Steele, Francis Finucane
- PO2.133** **Applying the Business Impact Assessment for Obesity and Population-Level Nutrition (BIA-Obesity) in Ireland**
Janas Harrington, Margaret Steele, Stefanie Vandevijvere, Anant Jani
- PO2.134** **Onset and development of eating disorders in adolescents and adults with overweight and obesity: a scoping review of models and frameworks**
Rabia Khalid, Natalie Lister, Anna Lene Seidler, Sol Libesman, Louise Baur, Susan Paxton, Sarah Maguire, Hiba Jebelle
- PO2.135** **"See me as a person first": patient perceptions and experiences of enacted weight stigma by healthcare providers across healthcare settings - A qualitative evidence synthesis**
Leona Ryan, Rory Coyne, Caroline Heary, Susie Birney, Rosie Dunne, Michael Crotty, Owen Conlan, Jane C Walsh
- PO3.087** **Effect of semaglutide 2.4 mg on alanine aminotransferase in adolescents with obesity: a post-hoc analysis of the STEP TEENS trial**
Daniel Weghuber, Inge Gies, Lise Lotte Gluud, Aske Thorn Iversen, Maximilian Jara, Signe Schmidt, Rasmus Sørrig, Martin Wabitsch, Mazen Noureddin
- PO3.088** **Four-year follow-up of metabolic risk factors in children treated for obesity in the preschool age: Pooled secondary outcomes from a Randomized Controlled trial**
Stella Wennborg, Anna Ek, Karin Nordin, Karin Eli, Paulina Nowicka, Markus Brissman
- PO3.089** **How do severity of obesity and relative weight loss affect growth pattern? Findings from the Swedish Childhood Obesity Treatment Register (BORIS)**
Resthie Rachmanta Putri, Pernilla Danielsson, Claude Marcus, Emilia Hagman
- PO3.090** **Sustained weight loss after one year of treatment in lifestyle interventions for childhood obesity. A retrospective cohort study**
Rasmus Møller Jørgensen, Henrik Støvring, Jane Nautrup Østergaard, Susanne Hede, Katrine Svendsen, Esben Thyssen Vestergaard, Jens Meldgaard Bruun



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- PO3.091** **Associations between prenatal maternal cortisol, stress and anxiety, and childhood obesity at 5 years**
Karen Matvienko Sikar, Emma Butler, Linda O Keeffe, Willeke V Dijk, Wileke V Dijk, Catherine B Hayes, Anja C Huizink, Patricia M Kearney, Sean J Costelloe, Sinead Curtin, Kelly Foley, Fergus P Mccarthy, Fergus P Mccarthy, Siobhain O Mahony, Siobhain O Mahony, Ali Khashan, Ali Khashan, Deirdre M Murray, Deirdre M Murray
- PO3.092** **Dietary inflammation and associations with weight status in European children: preliminary findings from an individual participant data meta-analysis and quantile regression**
Kristina Vinars, Ricardo Segurado, James R. Hébert, Matteo Bottai, Ling-Wei Chen, Sarah Crozier, Liesbeth Duijts, Nicholas C. Harvey, Vincent W. V. Jaddoe, Cecily Kelleher, Fionnuala M. McAuliffe, Kinga Polanska, Matthew Suderman, Catherine M. Phillips
- PO3.093** **Association of markers of glycemic control with gingivitis in children and adolescents with obesity without diabetes**
Thomas Hermerel, Hélène Thibault, Virginie Chuy
- PO3.094** **Effects of a community-based high-intensity interval training program on body composition, blood pressure and quality of life in children and adolescents with obesity: A randomized controlled trial**
Charlotte Nørkjær Eggertsen, Esben Thyssen Vestergaard, Ryan Godsk Larsen, Søren Hagstrøm
- PO3.095** **Epicardial fat is associated with markers of systemic inflammation (GlycA and hsCRP) in preadolescent children: The GUSTO study**
Suresh Anand Sadananthan, Kashthuri Thirumurugan, Yeshe Manuel Kway, Navin Michael, Delicia Shu Qin Ooi, Lynette Shek, Yap Fabian, Kok Hian Tan, Keith M Godfrey, Yung Seng Lee, Peter D Gluckman, Yap Seng Chong, Marielle V Fortie, Johan G Eriksson, S. Sendhil Velan
- PO3.096** **Interventions to prevent obesity in children and adolescents aged 5 to 18 years old: a Cochrane systematic review and meta-analysis of randomised controlled trials**
Francesca Spiga, Annabel Davies, Eve Tomlinson, Theresa H M Moore, Yang Gao, Sarah Dawson, Jelena Savovic, Rebecca K Hodder, Luke Wolfender, Sophie Phillips, Frances Hillier Brown, Julian P T Higgins, Carolyn D Summerbell
- PO3.097** **Adherence to Mediterranean diet and obesity in children and adolescents: A systematic review and meta-analysis**
Alicia Larruy García, Lubna Mahmood, Maria L Miguel Berges, Luis A Moreno, Pilar De Miguel Etoy
- PO3.098** **Polygenic prediction of BMI from 4 months to early adulthood: a longitudinal study**
Shahina Begum, Timothy M Frayling, Zoi Toumpakari, Elanor C Hinton, Natalia Lawrence
- PO3.099** **Body image and lifestyle behaviors in high school adolescents**
Manon Bordeleau, Natalie Alméras, Shirin Panahi, Vicky Drapeau
- PO3.100** **Association of Obesity and Body Image Discordance with Suicidal Behaviors in Korean Adolescents**
Chiyoung Son
- PO3.101** **Modelling the potential impact on inequalities in childhood obesity of intervening on early years risk factors: A policy simulation using data from the UK Millennium Cohort Study**
Steven Hope, Bianca De Stavola, Simon Russell, Moritz Herle, Maria Sifaki, Russell Viner
- PO3.102** **Sweetness in a glass: a study on children's sweet preference and sensitivity**
Britt van Belkom, Ilse van Lier, Alexander Umanets, Edgar van Mil, Remco Havermans
- PO3.103** **Skeletal muscle mass, strength and physical performance in children and adolescents with obesity**
Marcela Zembura, Kamila Czepczor Bernat, Aleksandra Opala, Aleksandra Wylazłowska, Nadiia Ponomarenko, Paweł Matusik
- PO4.169** **What Are the Factors That Affect Weight Loss Program Adherence?**
Abdolreza Norouzy, Zahra Namkhah, Zeynab Jafarzadeh, Mohsen Nematy, Mohammad Safarian



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- PO4.170** **Progression of Obesity-related Complications Over 10 Years in a UK Population: A Retrospective Open Cohort Study**
Jonathan Pearson-Stuttard, Sara Holloway, Kasper Sommer Matthiessen, Andrew Thompson, Silvia Capucci
- PO4.171** **Diagnosis of overweight and obesity and its association with performance rates of obesity care in the primary care setting**
Michal Kasher Meron, Sapir Eizenstein, Dan Oieru
- PO4.172** **Improving weight-related discussions using a 3D-virtual training tool for healthcare professionals**
Fiona Quigley, Anne Moorhead, Raymond Bond, Toni Mcaloon, Huiyu Zheng
- PO4.173** **Effects of liraglutide 3mg among patients living with psoriasis and obesity: beyond metabolic control?**
Joana Nicolau Ramis, Antoni Nadal Nadal, Pilar Sanchís, Andrea Romano, Antelm Pujol Calafat, Cristina Nadal Lladó, Lluís Masmiquel Comas
- PO4.174** **Baseline characteristics in the Remote Diet Intervention to REduce long-COVID symptoms Trial (ReDIRECT)**
Laura Haag, Janice Richardson, Caroline Haig, Yvonne Cunningham, Heather Fraser, Naomi Brosnahan, Tracy Ibbotson, Jane Ormerod, Chris White, Emma McIntosh, Catherine A O'donnell, Naveed Sattar, Alex Mcconnachie, Michael E J Lean, David N Blane, Emilie Combet
- PO4.175** **Updated meta-analysis of studies from 2011 to 2021 comparing the effectiveness of intermittent energy restriction versus continuous energy restriction**
Jee Hyun Kang, Kyoung Kon Kim, Eun Mi Kim
- PO4.176** **What are the weight management practices and support needs of young people living with excess weight?**
Jordan R. Marwood, Tamla S. Evans, Katerina Z. Kolokotroni, Therese Fozard, Megan Whatnall, Tracy Burrows, Louisa J. Ells
- PO4.177** **Innovative obesity management and prevention online portal to support persons with obesity: STOP Project RCT**
Anne Moorhead, Huiyu Zheng, Felix Engel, Binh Vu, Mattias Hemmje, Louise Lynch, Raymond Bond, Haiying Wang, Michael Mctear
- PO4.178** **Long-term body composition in patients with POMC or LEPR deficiency obesity following setmelanotide**
Karine Clément, Martin Wabitsch, Erica Van Den Akker, Jesús Argente, Andrea Navarra, Madhura Srinivasan, Guojun Yuan, Sonali Malhotra, Peter Kühnen
- PO4.179** **Obesity phenotypes are poor predictors of genetic mutations associated with obesity**
Khaled Alabduljabbar, Ahmed Al Humadi, Moath S. Alsaqaaby, Carel W. Le Roux
- PO4.180** **Clinical phenotyping of adults with genetic obesity**
Mila S Welling, Mostafa Mohseni, Renate E H Meeusen, Mariëtte R Boon, Cornelis J De Groot, Mieke M Van Haelst, Jenny A Visser, Erica L T. Van Den Akker, Elisabeth F C Van Rossum
- PO4.181** **Supplementation with medium-chain fatty acids increases body weight loss during very low-calorie ketogenic diet: a retrospective analysis in a real-life setting**
Ludovica Verde, Claudia Vetrani, Silvia Savastano, Annamaria Colao, Giovanna Muscogiuri, Luigi Barrea
- PO4.182** **Improved systemic glucose and lipid metabolism in obese humans upon olfactory odour stimulation**
Anouk Hoogkamer, Lolita Matiashova, Alexander Komaj, Chery Kunz, Milica Popovic, Yanick Spaar, Elias Zehnder, Judith Minder, Antje Welge Lüssen Lemcke, Katharina Timper
- PO4.183** **The Effects of Whole-Body Cryostimulation at Two Different Temperatures in Patients with Obesity**
Jacopo Maria Fontana, Paolo Piterà, Federica Verme, Riccardo Cremascoli, Stefania Cattaldo, Veronica Cimolin, Amelia Brunani, Paolo Capodaglio
- PO4.184** **Comparison of CT and DEXA in the evaluation of body composition in patients with severe obesity**
Fiorella Palmas, Alba Zabalegui, Marta Comas, Raul Guerra, Daniel Eiroa, Nuria Roson, Carina Espinet, Vanesa Flores, Rosa Burgos, Rafael Simo, Andreea Ciudin



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- PO4.186 Sarcopenic obesity in type 2 diabetes mellitus**
Caterina Conte, Sara Boussetta, Francesco Leva, Paolo Moro, Cesare Celeste Berra, Livio Luzi
- PO4.187 Proof of applicability of ESPEN/EASO sarcopenic obesity diagnostic criteria (ESPEN/EASO-SO) in a wide cohort of Caucasian in-patients**
Amelia Brunani, Raffaella Cancellò, Ettore Brenna, Davide Soranna, Antonella Zambon, Valentina Villa, Gianluca Castelnuovo, Paolo Capodaglio, Lorenzo Maria Donini
- PO4.188 Clinical characteristics of variants in POMC, PCSK1, LEPR, NCOA1, and SH2B1**
Jesús Argente, Sadaf Farooqi, Erica Van Den Akker, Sonali Malhotra, Peter Kühnen, Karine Clément, Martin Wabitsch
- PO4.189 Predictive Weight Loss Outcome Scores Associated with Semaglutide in Patients with Diabetes Mellitus**
Wissam Ghusn, Diego Anazco, Sima Fansa, Bryan Nicolalde, Lizeth Cifuentes, Alejandro Campos, Khushboo Gala, Maria D. Hurtado, Andres Acosta
- PO4.190 Clinical and mechanistic outcomes of bariatric surgery on metabolic indices and postprandial gastrointestinal hormone secretion: a prospective and patient-controlled study**
Stamatia Simati, Georgia Argyrakopoulou, Konstantinos Stefanakis, Andreas Alexandrou, Dimitrios Tsilingiris, Ioanna Anastasiou, Nicholas Tentolouris, Christos Mantzoros, Alexander Kokkinos
- PO4.191 Cardiometabolic Disease Severity and not BMI per se Predicts Poor COVID-19 Outcomes**
W. Timothy Garvey, Li Zhang, Carrie R Howell
- PO4.192 The Experiences of People Living with Obesity and Chronic Pain: A Qualitative Evidence Synthesis (QES)**
Natasha S. Hinwood, Maire Brid Casey, Catherine Doody, Catherine Blake, Brona Fullen, Grainne O'Donoghue, Colin G. Dunlevy, Susie Birnie, Fionnuala Fildes, Keith Smart
- PO4.193 A ketogenic low-energy diet is superior to a control non-ketogenic diet in reducing calf subcutaneous adipose tissue in females with lipedema**
Julianne Lundanes, Mari Gårseth, Rachelle Crescenzi, Michael Pridmore, Shannon Taylor, Rune Wagnild, Åsne Ask Hylmdo, Catia Martins, Siren Nymo
- PO4.194 Efficacy of The Low-Calorie Diet in the Treatment of Adults Living with Non-alcoholic Fatty Liver Disease (NAFLD) and Obesity: A Systematic Review and Meta-analysis**
Laurence J. Dobbie, Jamie Burgess, Azlinda Hamid, Sarah Nevitt, Theresa Hydes, Uazman Alam, Daniel J. Cuthbertson
- PO4.195 Mediterranean Diet and metabolic improvements for tertiary prevention of breast cancer: analysis after weight loss in women with a previous history of breast cancer**
Edda Cava, Daniele Spadaccini, Deborah Farinelli, Alessandra Gennari, Chiara Saggia, Maria Grazia Carbonelli, Sergio Riso, Flavia Prodam
- PO4.196 Service evaluation of the remote delivery of a digital tier 2 weight management programme**
Naomi Brosnahan, Anna Bell Higgs, Louise Tse, Elliot Mcewan, Michael Lean



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LATE BREAKING POSTERS



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LATE BREAKING POSTERS

- LBP1.01** **Effect of Semaglutide on Adipogenesis In Vitro**
Dunja Igrac, Ana Petrovic, Tea Omanovic, Lucija Kuna, Karla Rozac, Marija Hefer, Robert Smolic, Anita Matic, Farrah Khaznadar, Aleksandar Vcev, Martina Smolic
- LBP1.02** **Ceramides in epicardial adipose tissue from coronary diabetic patients: new markers of tissue metabolism?**
Gabriela Berg, Jeannel Campos, Bibiana Fabre, Patricia Ancel, Ljubica Svlar, Juan Patricio Nogueira, Anne Dotour, Jean Charles Martin, Bénédicte Gaborit, Miguel Rubio, Magali Barchuk
- LBP1.03** **The nutritional ultrasound for body composition assessment in subjects with overweight/obesity**
Rossella Tozzi, Yaiza Garcia Delgado, Yaiza Gil Quintana, Diego Hernandez Hernandez, Verónica Daavila Batista, Mauro Boronat, Stefania Mariani, Lucio Gnessi, Ana María Wägner, Rosa María Sánchez Hernández
- LBP1.04** **Adipocytes from obese subjects modulate immune populations of the reactive inflammatory Hodgkin Lymphoma tumour microenvironment**
Andreia Matos, Luciana Costa, Marcos Santos, Sofia Ramalheira, Dulcinea Pereira, Joana Marinho, Ângelo Rodrigues, Mário Mariz, Paulo Baldaque, Manuel Bicho, Alan G Ramsay, Maria J. Oliveira, Ricardo Ribeiro
- LBP1.05** **Palmitoylated prolactin-releasing peptide analogs as a target in obesity treatment**
Alena Karnošová, Veronika Strnadová, Miroslava Blechová, Blanka Železná, Jaroslav Kuneš, Lenka Maletinská
- LBP1.06** **High-fat diet induces LEAP2 resistance and reversible ghrelin resistance in mice**
Lucie Holá, Theodora Tureckiová, Jaroslav Kuneš, Blanka Železná, Lenka Maletinská
- LBP1.07** **Ginkgo biloba extract improved astrocytic recruitment and reduced microglia reactivity and oxidative stress in the hippocampus of ovariectomy-induced obese rats**
Meira Maria Forcelini Machado, Esther Milani Ático, Renata Mancini Banin, Iracema Senna Andrade, Amanda Paula Pedrosa, Fernanda Malanconi Thomaz, Bruna Kelly Sousa Hirata, Lila Missae Oyama, Eliane Beraldi Ribeiro, Suzete Maria Cerutti, Monica Marques Telles
- LBP1.08** **Intrauterine growth restriction suppresses hypothalamic cytokine levels in early adulthood**
Thais Antonio Jose Mutran, Amanda Paula Pedrosa, Adriana Pereira De Souza, Sirleide Nascimento Souza, Vivien Cayres Giarola Suannes Pucci, Artur Francisco Silva Neto, Valter Tadeu Boldarine, Lila Missae Oyama, Eliane Beraldi Ribeiro, Monica Marques Telles
- LBP1.09** **Dynamics of weight loss before and after COVID 19 in patients living with obesity in association with olfactory and gustatory disfunction: a follow up study**
Hamest Aghababayan, Shahane Mnatsakanyan, Inessa Nazaryan, Narek Pepanyan
- LBP1.10** **Metabolic adaptation that persists during weight regain in humans: its relationships with body composition dynamics and thyroid hormone status**
Abdul Dulloo
- LBP1.11** **Serotonin Receptor Agonists and Antagonists Can Modulate the Secretion of Gut Hormones**
Kyoung-Kon Kim, Min Hee Kim, Su-Jeong Kim, Woo-Jae Park
- LBP1.12** **Distribution and Infiltration of Macrophage on Adipose Tissue in Relation to Inflammatory Status and Adverse Cardiometabolic Characteristics among Morbid Obese Subjects**
Nain Feng Chu, Ya Hsien Huang, Der Min Wu, Chun Yung Chang
- LBP1.13** **Mechanism linking miR-18a-5p/SREBP1/PERK axis, ER stress and autophagy to the early stages of Nonalcoholic Fatty Liver Disease (NAFLD) induced by high fat diet**
Giuseppe Petito, Federica Cioffi, Nunzia Magnacca, Maria Ventriglia, Antonia Lanni, Rosalba SENESE
- LBP1.14** **miR-22: a key regulator of lipid homeostasis and a therapeutic target in NAFLD and obesity**
Riccardo Panella, Simone Tomasini, Ulrik Scheele, Cody Cotton, Kelsey Berry, Sakari Kauppinen
- LBP1.15** **Understanding the need for a return to meal exclusion following a 12-week total diet replacement intervention for people living with complex obesity: A parallel mixed-methods study**
Jo Hollington



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- LBP1.16** **Effect of obesity on fertility parameters in WIO mice model**
Dr Naif Abdullah A Alsuhaymi
- LBP1.17** **Long-term cafeteria diet changes the rat brain**
Jakub Szabó, Andrej Feješ, Ladislav Baciak, Peter Celec, Katarina Sebekova
- LBP1.19** **Combined effects of FTO rs9939609 and MC4R rs17782313 on anthropometric and biochemical indicators, energy expenditure, and food intake in brazilian women with obesity**
Leysimar De Oliveira Siais, Érika Grangeiro, Hilana Moreira Paiva, Mariana Silva Trigueiro, Gabriella de Medeiros Abreu, Eliane Rosado
- LBP1.20** **Sleep quality and metabolic consequences in overweight or obese children and adolescents**
Vanessa Guerreiro, Helena Ferreira, Sofia Ferreira, Rita Santos Silva, Carla Costa, Paula Freitas, Cintia Castro Correia
- LBP1.21** **Polymer scaffolds of chitosan/gelatin/polyvinyl alcohol functionalized with vascular endothelial growth factor to support the growth and proliferation of insulin-producing cells**
Yesenia Sánchez Cardona, Elías Cuartas Gómez, Claudia E. Echeverri Cuartas, Natalia Moreno Castellanos, Martha E. Londoño López
- LBP1.22** **Experimental Approach for Diabetes Therapy: Functionalized Collagen Microgels with Vascular Endothelial Growth Factor**
Natalia Moreno Castellanos, Elías Cuartas Gómez, Oscar Andrés Vargas Ceballos
- LBP2.01** **Outcomes at One Year in a Community Tier 3 Weight Management Service**
Sophie Kathryn Edwards, Paul Gately
- LBP2.02** **Effectiveness and qualitative evaluation of a general practice-based behaviour change programme for patients at high risk of cardiovascular disease: preliminary findings**
Jt Treanor, Janis Morrissey, John Broughan, Walter Cullen, Geoff Mccombe, Emils Sietins
- LBP2.03** **Can smartphone-based response inhibition training elicit sustained changes in appetite, preference, and cravings for energy-dense foods? A free-living randomised controlled trial**
Halim Moore, Neil A. King, Melanie J. White, Graham S. Finlayson
- LBP2.04** **The accuracy of the EBA-O for detecting binge eating disorder among patients with obesity**
Elvira Anna Carbone, Marianna Rania, Matteo Aloï, Daria Quirino, Renato De Filippis, Cristina Segura Garcia
- LBP2.05** **Altered eating behaviors in obesity: the more the worst!**
Elvira Anna Carbone, Marianna Rania, Annamaria Piliaci, Daria Quirino, Tania Iovine, Stefano Lodari, Ilaria Pullano, Claudia Procopio, Alfredo Cimino, Rosanna Pagnotta, Cristina Segura Garcia
- LBP2.06** **Implementing a Guided Self-help Intervention for the management of Binge Eating prior to a Specialist Weight Management Programme- A Service Evaluation**
Sophie Edwards, Paul Gately, Gemma Travis Turner, Andy Hill
- LBP2.07** **Neck Circumference related with Metabolic Status of Obesity**
Kyu Rae Lee
- LBP2.08** **Is Korean adopting the obesity, metabolically?; Comparing between KNHANES 2008 and 2017**
Sanqmo Hong, Seung Joon Oh, Jung Hwan Park, Sung Hoon Yu, Dong Sun Kim, Chang Beom Lee
- LBP2.09** **Hypertension in Brno, associations with body composition in the cross-section study KardioVize 2030**
Robert Prosecký, Jan Novak, Maria Hrabčakova, Petra Kovacovicova, Sarka Kunzova
- LBP2.10** **Replication of index BMI-associated single nucleotide polymorphisms in a multi-ethnic Asian population of Chinese, Malays and Indians**
Benjamin Lam, Hong Kiat Ng, Marie Loh, Yik Weng Yew, Theresia Mina, John Chambers
- LBP2.11** **Metabolic syndrome and skin cancer: an emerging concern**
Adaora Ezeani, Tanya Agurs Collins



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- LBP2.12** **Predictive ability of anthropometric measurements with incident type 2 diabetes: A prospective cohort study of 161,127 UK Biobank participants**
Jirapitcha Boonpor, Solange Parra Soto, Stuart R Gray, Carlos Celis Morales, Frederick K Ho
- LBP2.13** **Adiposity and risk of infectious diseases among Chinese adults**
Rui Huang, Fiona Bragg, Christiana Kartsonaki, Zhengming Chen
- LBP2.14** **Genetic characterization of body shape phenotypes and its association with colorectal cancer risk**
Laila Peruchet-Noray, Anja M. Sedlmeier, Niki Dimou, Hansjörg Baurecht, Béatrice Fervers, Vivian Viallon, Pietro Ferrari, Robert Carreras-Torres, Marc J. Gunter, Heinz Freisling
- LBP2.15** **Conventional and genetic associations of BMI with major vascular disease incidence and mortality in a relatively lean Chinese population**
Andri Iona, Fiona Bragg, Zamy Fairhurst Hunter, Iona Millwood, Yu Guo, Neil Wright, Kuang Lin, Ling Yang, Huaidong Du, Yiping Chen, Pei Pei, Liang Cheng, Dan Schmidt, Daniel Avery, Canqing Yu, Jun Lv, Robert Clarke, Robin Walters, Liming Li, Sarah Parish, Zhengming Chen
- LBP2.16** **Causal associations of general and central adiposity with 1463 proteins in a lean Chinese population**
Pang Yao, Andri Iona, Saredo Said, Neil Wright, Kuang Lin, Robert Clarke, Zhengming Chen
- LBP2.17** **Temporal trends and educational inequalities in BMI classifications among pre-pregnant women and their male partners in northern Sweden**
Thomas Vogt, Marie Lindkvist, Ivarsson Anneli, Sven Arne Silfverdal, Masoud Vaezghasemi
- LBP2.18** **Premature mortality related to cardiovascular diseases in Tunisia, 2020**
Salsabil Rejaibi, Ahlem Silini, Arwa Neffati, Nada Zoghalmi, Afef Skhiri, Ibrahim Ben Slama, Mohamed Amine Bennour, Iskander Mariem, Ismahen Mensi, Rym Fayala, Jalila El Ati, Pierre Traissac, Hajer Aounallah Skhiri
- LBP2.19** **Attained body mass index among children attending rural outdoor or urban conventional kindergartens**
Sofus C Larsen, Jeanett F Rohde, Nanna J Olsen, Jane N Østergaard, Berit L Heitmann, Ina O Specht
- LBP2.21** **The effect of body mass index on body image and self-esteem among Saudi adults**
Mansour Alzahrani
- LBP2.22** **The causal role of adiposity in mental illness: A systematic review and meta-analysis of Mendelian randomization studies**
Min Gao, Paul Doody, Dimitrios Koutoukidis, Yebo Yu, Paul Aveyard, Richard Stevens, Padraig Dixon
- LBP2.23** **Association of macronutrient composition during pregnancy with short-term and long-term postpartum weight retention: Evidence for the Protein Leverage Hypothesis from pregnant women**
Hanyue Zhang, Alistair Senior, Stephen J. Simpson, David Raubenheimer, Berit Lilienthal Heitmann
- LBP2.24** **Lifestyle profiles are linked to gut microbiota for different cardiometabolic profiles in the MetaCardis study**
Solia Adriouch, Eugéni Belda, Karine Clément, Jean Daniel Zucker, Metacardis Consortium
- LBP2.25** **The impact of obesity on Quality Of Life in people with Type 2 Diabetes Mellitus: a cross-sectional study in Bulgaria**
Georgi Levterov, Boryana Levterova, Evstati Levterov
- LBP2.26** **The effectiveness of a comprehensive rehabilitation program on the balance function in patients with obesity**
Valeriia Vasileva, Larisa Marchenkova
- LBP2.27** **The effectiveness of a comprehensive rehabilitation program including interactive balance therapy with biofeedback and kinesiotherapy in reducing body weight and changing the body composition in patients with obesity**
Valeriia Vasileva, Larisa Marchenkova
- LBP2.28** **Characteristics of Obesity in Hungary Nationwide Comprehensive health protection screening Program 2010-2021**
Istvan Barna, Daiki Tenno, Eszter Halmy, Gergely Dankovics



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- LBP2.29** **Revisiting Waist Circumference Cut-Off Points for The Diagnosis of Central Obesity in Asian Population**
Dicky Tahapary, Oky Setyani, Dante Harbuwono, Woro Riyadina, Pradana Soewondo
- LBP2.30** **Estimation and projection of the obesity trend in women aged between 20 and 49 years in Mexico City, using health access and education variables**
Kenya Eneyda Henríquez Mancía
- LBP3.01** **Predictors of weight loss and weight loss maintenance in children and adolescents with obesity**
Alisa Weiland, Lena Kasemann, Bea Klos, Björn Horing, Nazar Mazurak, Paul Enck, Isabelle Mack
- LBP3.02** **Paternal healthy lifestyle score and childhood overweight and obesity in the lifeways cross-generation cohort study**
Adrien M Aubert, Alexander Douglass, Pilar Navarro, John Mehegan, Celine M Murrin, Cecily C Kelleher, Catherine M Phillips
- LBP3.03** **Feasibility of the World Health Organization (WHO) Childhood Obesity Surveillance Initiative (COSI) 2022/2023 in Ireland during the COVID-19 pandemic: school principal interviews**
Orla Kilduff, Jamie Slattery, Clodagh Lee, Sarah O' Brien, Celine Murrin, Cecily Kelleher
- LBP3.04** **Novel use of electronic devices for the collection of child anthropometric measurements for the Childhood Obesity Surveillance Initiative (COSI) 2022/2023 in Ireland**
Orla Kilduff, Jamie Slattery, Clodagh Lee, Emily Hunt, Alexander Douglas, Ellen Greene, Lisa Charlotte Mahle Thygesen, Sarah O' Brien, Celine Murrin, Cecily Kelleher
- LBP3.05** **FACILITY - feeding the family: the intergenerational approach to fight obesity, a study protocol**
Alessandra Vincenti, Hellas Cena
- LBP3.06** **Adolescent obesity prevention and complex lifestyle interventions**
Artiomias Šabajevs, Rūta Petereit, Aistė Railaitė, Augustė Railaitė, Gintarė Šabajevienė
- LBP3.07** **A Scoping Review exploring Reasons for the Limited Efficacy of Preconception and Pregnancy Lifestyle Interventions in Preventing Overweight and Obesity in Children: Findings and Recommendations**
Kaat Philippe, Shevaun Teo, Carla Perrotta, Fionnuala M. McAuliffe, Catherine M. Phillips
- LBP3.08** **ICan Live Healthily: A structured educational programme for children with complex obesity-a review of engagement and feedback**
Jodi Wood, James Law, Anbezhil Subbarayan, Melanie J Davies, Vicki Johnson, Michelle Hadjiconstantinou, Pooja Sachdev
- LBP3.09** **Exploring the use of service design workshops as a collaborative approach to designing a community Weight Management Service for Children and Young People**
Geraldine Sexton, Karen Gaynor, Sarah O' Brien, On Behalf Of The Children And Young Person Weight Management Programme Expert Working Group.
- LBP3.10** **Pharmacological interventions for the management of children and adolescents living with obesity - an update of a Cochrane systematic review with meta-analyses**
Gabriel Torbahn, Alex Griffiths, Andrew Jones, Jamie Matu, Maria-Inti Metzendorf, Louisa J Ells, Gerald Gartlehner, Aaron S Kelly, Daniel Weghuber, Tamara Brown
- LBP3.11** **The development of the Dutch National model integrated care for childhood overweight and obesity**
Jutka Halberstadt, Leandra Koetsier, Marian Sijben, Judith Stroo, Marianne Van Der Velde, Edgar G.A.H. van Mil, Jaap Seidell
- LBP3.12** **Diet Quality and Eating Behavior in Children Aged 3 To 8 Years with And Without Autism Spectrum Disorder, in the City Of Tijuana, Baja California, Mexico, a case control study**
Iovanna Cobian, Glenda Diaz Ramirez, Ana Lilia Armendariz Anguiano, Monserrat Bacardi Gascón, Arturo Jiménez Cruz



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- LBP3.13** **Quantitative ultrasound fatty liver evaluation in a pediatric population: comparison with Magnetic Resonance Imaging of Liver Proton Density Fat Fraction**
Francesco Frigerio, Giorgia Polti, Marco Di Serafino, Patrizia Pacini, Giovanni Del Gaudio, Michele Di Martino, Eleonora Poggiogalle, Vito Cantisani
- LBP3.14** **Factors influencing the diet quality and percentage body fat status of Irish adolescents**
Aoibhín Moore Heslin, Aisling O'Donnell, Laura Kehoe, Janette Walton, Albert Flynn, John Kearney, Breige McNulty
- LBP3.15** **A real-life snack situation in childhood obesity before and after weight loss compared to controls with normal weight - an experiment using a hidden camera to assess food intake and eating behavior**
Isabelle Mack, Helene Sauer, Björn Horing, Stephan Zipfel, Paul Enck
- LBP3.16** **Nutrient intake and nutritional status of the 4-10-year-old Hungarian children**
Diána Sárga, Lajos Biró, Dr., Bernadett Kiss Tóth, Márta Versné Bálint, Dr.
- LBP3.17** **The BDNF Val66Met Polymorphism and Health-Related Quality of Life in Youth with Obesity**
Gary S. Goldfield, Gary S. Goldfield, Gary S. Goldfield, Jameason D. Cameron, Ronald J. Sigal, Ronald J. Sigal, Ronald J. Sigal, Glen P. Kenny, Glen P. Kenny, Michael De Liso, Michael De Liso, Denis Prud'homme, Denis Prud'homme, Mathew Ngu, Angela S. Alberga, Steve Doucette, Diana B. Goldfield, Heather Tulloch, Helen Thai, Helen Thai, Helen Thai, Kevin R. Simas, Kevin R. Simas, Jeremy Walsh
- LBP3.18** **Inhibitory control at age 13 and waist circumference changes in adolescents: a prospective cohort study**
Marcos Alejandro Mayer, Fabrizio Catalani, Javier Fraire, Noelia Deltetto, Lucia Martín, Analisa Beneitez, Daniela Fischman, Alicia Bibiana Orden
- LBP3.19** **Higher energy flux might contribute to a better short-term subsequent appetite control in adolescents with obesity: The NEXT study**
David Thivel, Siroux Julie, Fillon Alicia, Pereira Bruno, Dionnet Céline, Finlayson Graham, Duclos Martine, Boirie Yves, Isacco Laurie
- LBP3.20** **Cardiopulmonary Exercise Testing (CPET) is feasible and informative in severely obese adolescents**
Thomas Larcombe, Gary Connett, Julian Legg, Nikki Davis
- LBP3.22** **Adolescent BMI and Early Kidney Damage in Young Adulthood**
Gilad Twig, Gabriel Chodick, Ran Rotem, Arnon Afek, Josef Coresh, Inbal Akavian, Dorit Tsur, Estela Derazne, Ehud Grossman, Asaf Vivante, Regev Landau, Boris Fishman, Orit Pinhas Hamiel, Avishai Tsur
- LBP3.23** **The impact of air pollution on child body mass index: a quasi-experimental residential relocation study**
Sarah Warkentin, Jeroen de Bont, Alicia Abellan, Andrea Pistillo, Apolline Saucy, Marta Cirach, Mark Nieuwenhuijsen, Sara Khalid, Xavier Basagaña, Talita Duarte-Salles, Martine Vrijheid
- LBP3.24** **Adiposity indices and cardiometabolic risk factors in children and adolescents**
Louise Aas Holm, Sara Elizabeth Stinson, Cilius Fonvig, Maria Martens Fraulund, Elizaveta Chabanova, Michael Christiansen, Henrik S. Thomsen, Torben Hansen, Jens-Christian Holm
- LBP3.25** **Semaglutide for the treatment of hypothalamic obesity - a case report with promising result**
Cristina Sciacovelli, Ginevra Moschione, Ercole Franco, Valentina Pasquali, Federica Pippa, Emmanuele Capobianco, Silvia Garelli, Uberto Pagotto
- LBP3.26** **'The doctor said I was... overweight; no normal, so I want to be ... healthier... normal'. Children's views and experiences on weight and body, a qualitative study in Santiago, Chile**
Cecilia Prieto, Linda Bauld, Nicola Boydell, Jeni Harden
- LBP4.01** **Laparoscopic Entry Trocar Design and Complications in Obese Patients: Systematic Review & Meta-Analysis**
Chimwemwe Miti, Paula Busuulwa, Richard Scott, Hermes Gadelha Bloomfield
- LBP4.02** **Assessment of NAFLD severity using FibroScan® versus non-invasive markers in a population prior to planned bariatric surgery**
Verena Parzer, Johanna Maria Brix, Simone Leonora Huber, Bernhard Ludvik



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- LBP4.03** **Predictors for insufficient weight loss, defined as %EWL < 50% at 1 year after bariatric surgery**
Verena Parzer, Johanna Maria Brix, Simone Leonora Huber, Bernhard Ludvik
- Vitamin D Levels and Body Composition of Patients With Obesity Submitted to Gastric Bypass or Sleeve Techniques**
- LBP4.04** **Narríane Chaves Pereira Holanda, Mariana Braga Lacerda, Vanessa Mayana Alves Baad, Igor Rosemberg Nóbrega Medeiros, Marília Moreira Sales, Heloisa Calegari Borges, Caio Chaves De Holanda Limeira, Nara Nóbrega Crispim, Francisco Bandeira**
- Is body weight reduction the best predictor of efficacy after bariatric surgery? Results of a cluster analysis in a single center**
- LBP4.05** **Luca Lotito, Cristina Sciacovelli, Ginevra Moschione, Ercole Franco, Valentina Pasquali, Federica Pippa, Emmanuele Capobianco, Francesca Balsamo, Paolo Bernante, Alexandro Paccapelo, Uberto Pagotto, Silvia Garelli**
- Baseline characteristics of participants of the Best Health - Adult Weight Management Programme, a dietitian-led virtual community based behavioural weight management intervention**
- LBP4.06** **Suzanne Seery, Karen Gaynor, Annette Sheehy, Nadine Lynch, Karla Smuts, Sarah Noone, Marguerite Corby, Christine Gurnett, Ciara Heverin, Peter Curley, Nicole Power**
- Binge Eating Disorder Prevalence in an Irish Population Attending a Level 3 Obesity Service**
- LBP4.08** **Mallory Noone, Cara O'Grada, Jean O'Connell, Donal O'Shea, Claire Kearney, Colin Dunlevy, Ciara Brack**
- Assessing the usability of a virtual reality platform as a tool for promoting healthy lifestyle habits among people living with obesity: a qualitative analysis**
- LBP4.09** **Pilar Lusilla Palacios, Dimitra Anastasiadou, Paula García Royo, Pol Herrero Castillo, Julia Vázquez De Sebastián, Mel Slater, Bernhard Spanlang, Elena Álvarez De La Campa, Andreea Ciudin, Marta Comas, J. Antoni Ramos Quiroga**
- The effect of lifestyle and behavior on 2-hour glucose estimations for people with type 2 diabetes**
- LBP4.10** **Regina J.M. Kamstra, Tim Snel, Iris M. de Hoogh, Tanja Krone, Hannah M. Eggink, Hanno Pijl, Albert A. de Graaf**
- 'Obesity' vs 'Healthy weight': A compassionate approach**
- LBP4.11** **Dr Ramla Aziz, Emmerline Irving, Dr Rose Dunlop, Dr Sadiyah Lala**
- The effect of the 3-month combined nutritional and training intervention on body composition, dietary intake, and metabolic parameters in adults with obesity**
- LBP4.12** **Petronela Forišek Paulová, Lucia Slobodová, Ali Amiri, Peter Minárik, Petra Vadovičová, Michal Nemeč, Patrik Konrády, Viera Litváková, Jozef Ukropec, Barbara Ukropcová**
- Individual participant data network meta-analysis of RCTs of behavioural weight management in adults living with overweight or obesity: initial results from the BE:COME study**
- LBP4.13** **Nishant Jaiswal, Rebecca Gregg, Alison Avenell, Louisa Ells, Sandra Jayacodi, Ruth Mackenzie, Sharon Simpson, Olivia Wu, Jennifer Logue**
- The effects of a 6-month aerobic-strength training intervention on metabolic health and cardiorespiratory fitness in testicular cancer survivors**
- LBP4.14** **Ali Amiri, Michal Chovanec, Martin Schon, Lucia Slobodova, Viktor Oliva, Viera Litváková, Michal Nemeč, Milan Sedliak, Michal Mego, Barbara Ukropcová, Jozef Ukropec**
- Using photovoice to understand Indigenous women's experiences of Makoyoh'sokoi, a holistic 24-week health program, from the prairie provinces of Canada**
- LBP4.15** **Sonja Wicklum, Levi Frehlich, Carly Checholik, Ashley Amson, Jessica Jiayi Zhang, Loretta Tuttauk**
- Complex lifestyle intervention modulates cognitive functions in adults with obesity: interim analysis**
- LBP4.16** **Barbara Ukropcová, Ali Amiri, Petronela Forišek Paulová, Karin Malenovská, Katarína Rerková, Oksana Mytšai, Nikoleta Alchus Laiferová, Martin Polák, Jana Kubičková, Daria Barkova, Patrik Konrády, Viera Litváková, Peter Minárik, Lucia Slobodová, Jozef Ukropec**
- The emphasis on remission of type 2 diabetes through diet**
- LBP4.17** **Elisabeth Govers**



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- LBP4.18** **Diabetes and Obesity Reduction from Food Allergen Elimination: a Two-Year Geriatric Case Report**
Bronson Flint, Sammy Dawoud, Parminder Chahal, Frank Willis
- LBP4.19** **Impact of obesity on metabolic control in type 1 and type 2 diabetes: Five-year trends of Turkish nationwide survey of glycemic and other Metabolic parameters of patients with Diabetes (TEMD Obesity Study, 2017-2022)**
Yusuf Alper Sonmez, Ibrahim Demirci, Sinem Kiyici, Cem Haymana, Meral Mert, Irfan Nuhoglu, Seda Sancak, Ilker Tasci, Serpil Salman, Ilhan Satman, Fahri Bayram, Volkan Yumuk, Temd 2 Study Group
- LBP4.20** **Incident obesity-related complications by degree of weight reduction**
Hong Kan, Lindsay Bengtson, Nadia Ahmad, Jay Bae, Noelle Gronroos, Christina Landis, Chanadda Chinthamit, Julia Dunn, Esther Artime (non Author Presenter)
- LBP4.21** **Detecting binge eating disorder among individuals with obesity at high risk for diabetes: an experimental machine learning approach**
Marianna Rania, Anna Procopio, Paolo Zaffino, Elvira Anna Carbone, Mariarita Caroleo, Renato De Filippis, Raffaella Sacco, Ettore D'onofrio, Daria Quirino, Francesca Condoleo, Federica Giofrè, Franco Arturi, Carlo Cosentino, Cristina Segura Garcia
- LBP4.22** **Effects on weight loss and fatty liver reduction of dietary interventions including a meal replacement product compared to liraglutide in an 18-week period in people with obesity before bariatric surgery**
Leyla Al Sayegh
- LBP4.23** **Development of template for reporting adverse events of Ephedrae Herba for weight loss**
Sungha Kim, Mi Mi Ko
- LBP4.24** **Semaglutide alters tongue transcriptome along with the improvement of taste perception and increased brain activation in response to sweet tasting solution in obese women with PCOS**
Mojca Jensterle, Andrej Vovk, Jernej Kovač, Saba Battelino, Simona Ferjan, Barbara Hrast, Tadej Battelino, Andrej Janez
- LBP4.25** **The maintenance of long-term weight loss after semaglutide withdrawal in obese women PCOS treated with metformin: a 2-year observational study**
Mojca Jensterle, Simona Ferjan, Katja Goričar, Andrej Janez
- LBP4.26** **Real-life efficacy of oral Semaglutide treatment in patients with obesity and overweight and with new onset diabetes**
Fabrizio Muratori, Gianleone Di Sacco, Federico Vignati, Lidia Gavazzi, Daniela Dellepiane, Michela Del Prete
- LBP4.27** **Weight loss comparison in adults with obesity treated with sibutramine versus association sibutramine with topiramate - a retrospective analysis**
Helois Harumi Yamamoto, João Eduardo Nunes Salles, Thiago Fraga Napoli
- LBP4.28** **GLP-1 receptor agonists in the management of overweight and obesity in primary care: An Assessment of General Practitioners' attitudes**
Alan Sheridan, Michael Willoughby, Amelia O'keefe, Jennifer Linders, Billy Storan
- LBP4.29** **Virtual Healthcare in Weight Management During the COVID-19 Pandemic: A Survey-Based Study**
Kirthika Venkatesan, Sukrita Menon, Jafrikh Thamara Kunnath, Anuja Ashok, Varna Varghese, Nisha Nilgil Haroon, Jisha Vimoj, Sandra Vijayan
- LBP4.30** **The association between body composition changes and weight regain in patients treated with liraglutide 3.0mg in real-world clinical practice**
Andrew Grannell, Werd Al Najim, Carel Le Roux
- LBP4.31** **Association between weight cycling and incident chronic kidney disease**
Su Hwan Kim, Si Yeon Yi, Seong Pyo Kim, Kwang Soo Kim, Hyung Jin Yoon
- LBP4.32** **Fetal Abdominal Obesity and the Ensuing Adverse Perinatal Outcomes in the Older with/without Obese Pregnant Women with Normal Glucose Tolerance**
Wonjin Kim, Soo Kyung Park, Yoo Lee Kim



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Initial and evolutionary profile of adverse responders to an intensive weight loss intervention: New insights from the RESOLVE Study

LBP4.33 *Mélina Bailly, Laurie Isacco, Frédéric Duthel, Céline Dionnet, Daniel Courteix, Bruno Lesourd, Robert Chapier, Philippe Obert, Guillaume Walther, Reza Bagheri, Agnès Vinet, Lore Metz, Julien Verney, Gaël Ennequin, Vicky Drapeau, Bruno Pereira, David Thivel, Angelo Tremblay*

Effectiveness and tolerance of Liraglutide in a real-world setting. What happens after withdrawal?

LBP4.34 *Jersy Jair Cárdenas, Bogdana Luiza Luca, Victor Perez De Arenaza Pozo, Roberto Miguel Sierra Poyatos, Clara Isabel Yela Salguero, Yvonne Clarisa Fernandez Cagigao, Alicia Melchor Diaz, Ruxandra Simonescu Colan, Clotilde Vazquez Martínez*

Attachment Priming for Emotional Eating, a Pilot and Feasibility Study

LBP4.35 *Katarina Kos, Celia Morgan, Anke Karl*

Managing diabetes mellitus effectively and delaying its complications: Lessons from a case study

LBP4.36 *Fatjona Kamberi, Sajmira Aderaj, Tedi Kokuri*

Body shape indicators and their associations with inflammation: a cross-sectional analysis in the EPIC study

LBP4.37 *Esther María González Gil, Laia Peruchet Noray, Yahya Mahamat Saleh, Rola F Jaafar, Vivian Viallon, Sabina Rinaldi, Heinz Freisling, Laure Dossus*

Effectiveness of Liraglutide(Saxenda®) in weight loss in a Tier 3 weight management service

LBP4.38 *Ishara Ranathunga, Fathima Pambinezhut, Joanne Wills, Jane Shaw, Nesmah Maguire, Christine Holliday, Kelly Meldrum, Tracey Williams, Joy Lamb, Chandima Idampitiya*

The role of Fibrosis-4 (Fib-4) score for screening the risk of liver fibrosis and cardiometabolic disorders in patients with obesity

LBP4.39 *Alper Sonmez, Cunejd Anil, Gökhan Kabaçam, Mehmet Can Kutlar, Berna İmge Aydoğan, Alptekin Gursoy, Fazıl Mustafa Cesur*

Relationship between Alcohol Consumption and Obesity according to Facial Flushing in Korean Males

LBP4.40 *Won Yoon Suh, Sung Soo Kim, Jong Sung Kim, Seok Joon Yoon, Sir Chae Paik, Jun Seok Yang*

The effect of a ketogenic low-energy diet on body weight and composition in females with lipedema

LBP4.41 *Julianne Lundanes, Catia Martins, Siren Nymo*

Predictive factors of successful weight loss after liraglutide treatment for obesity

LBP4.42 *Camille Pairon, Jean Paul Thissen, Audrey Loumaye*



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BOEHRINGER INGELHEIM

Boehringer Ingelheim, founded in 1885 and family-owned ever since, is working on breakthrough therapies that transform lives, now and in generations to come. As a leading research-driven biopharmaceutical company, Boehringer Ingelheim creates value through innovation in areas of high unmet medical need.

Among other disease areas, Boehringer Ingelheim is concentrating research efforts and investment in cardio-renal-metabolic (CRM) diseases - a group of interconnected conditions affecting the heart, kidneys, and the metabolic system. More than 1 billion people worldwide are living with CRM diseases such as obesity, type 2 diabetes, chronic kidney disease, liver disease, heart failure, and cardiovascular disease. Despite significant improvements in life expectancy over the last decades, CRM diseases are still amongst the leading causes of death globally - and their prevalence is expected to continue to rise.

Due to the interconnectivity of the CRM systems, people are often impacted by multiple health conditions, posing an increased physical and emotional burden. Boehringer Ingelheim is addressing these challenges by taking a holistic approach to the management of CRM conditions. While the onset of one disease can increase the risk of developing another, improvement in one disease can have additional benefits in others. Considering this, Boehringer Ingelheim is exploring synergies between disease mechanisms and pathways to deliver the next wave of innovative therapies aiming to restore the balance between the interconnected CRM systems, reducing the risk of serious complications, thereby improving the outcomes of people living with CRM diseases.

Our legacy in cardio-renal-metabolic diseases

Boehringer Ingelheim's significant expertise and leadership in CRM diseases is evidenced by our track record of excellence in research and landmark clinical trials, which have resulted in important achievements in recent years, especially in thromboembolic diseases, type 2 diabetes, heart failure, and chronic kidney disease. Boehringer Ingelheim developed the first pharmacotherapy for type 2 diabetes that demonstrated substantial cardiovascular benefits in a cardiovascular outcomes trial. This has paved the way for a shift towards a holistic view on CRM diseases, including heart failure and chronic kidney disease. By building on our long-standing legacy and deep knowledge, Boehringer Ingelheim is developing a portfolio of novel compounds that address CRM conditions with enduring high unmet medical need. One prominent CRM condition that is being researched is obesity, a metabolic and multifactorial disease at the center of CRM diseases.



CERTMEDICA

We are a medium-sized company which develops and markets high-quality pharmaceutical products. As manufacturer of medical devices with a wide expertise, we are strongly set close to Frankfurt/Main, Germany and count with a distribution network in more than 60 countries, both EU and EFTA.

Corporate strengths such as high quality standards, continuous innovation and the commitment of our employees constitute the basis for our leadership position in the dietetic segment in German pharmacy trade.

Certmedica has core competences in developing and marketing high quality standard medical devices throughout Europe. Additionally to the medical devices standards, we observe the GMP and GCP guidelines as they are applied by the pharmaceutical industry. Certmedica's quality system conforms to the highest standards in the pharmaceutical industry.



COSMED

COSMED, an Italian company established in 1980, designs, manufactures, and sells worldwide diagnostic medical devices to assess Cardiopulmonary and Metabolic functions and Body Composition, addressing the needs of Health Care and Research public and private organizations and professionals operating in the Hospital, Primary Care, Sport Science and Human Performance, and Health and Wellness markets.

COSMED medical devices are grouped into five Product Lines:

- Cardiopulmonary Exercise Testing
- Indirect Calorimetry
- Pulmonary Function Testing
- Spirometry
- Body Composition

COSMED employs worldwide more than 200 people, with over 20 mechanical, electronic and software engineers engaged in R&D. Its headquarters are in Rome (Italy) and it has two plants located in Italy and USA.

Direct operations, through its fully owned subsidiaries, are held in Australia, Denmark, France, Germany, Hong Kong, Netherland, Switzerland, and USA, and with over 80 Business Partners, are covered more than 100 countries.

Accuracy, reliability and duration of diagnostic medical devices and the innovative software platform OMNIA, worldwide superior customer care, first class technical support, effective training services, along with regular software updates and guaranteed availability of original spare parts and supply of consumables, guarantee COSMED customers to preserve and exploit their investments over time.



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Currax Pharmaceuticals LLC is a specialty biopharmaceutical company focused on enhancing the lives of patients worldwide by expanding access to life-changing medications that treat diseases such as obesity. Currax distributes a range of both branded and generic pharmaceutical products. For more information, please visit our website: www.curraxpharma.com



HSE HEALTH AND WELLBEING

HSE Health and Wellbeing shapes and translates key health and wellbeing national policies into actions and supports implementation so that people live healthier lives and the burden of chronic disease on individuals, the health service and society as a whole is reduced. Key areas of focus for us are obesity, tobacco, alcohol, physical activity, diet, mental health and sexual health. We provide evidence informed training and resources for health professionals as well as behaviour change tools and programmes for individuals and communities. To learn more about what we do why not check out our HSE Talking about Health podcast wherever you get your podcasts or on YouTube; follow us on Twitter @HSEhealthW or join our mailing list at health&wellbeing.strategy@hse.ie



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Our headquarters, Phoenix Pharmaceuticals, Inc. specializes in complex peptide research. For over forty years, we have grown knowledge and expertise in the fields of antibodies, ELISA kits, RIA kits, I-125 labeled products, peptide libraries, and magnetic beads with a focus on obesity. Our catalogue has thousands of items and even offers custom peptide synthesis and antibody production. If your research is in peptides, Phoenix Europe GmbH is a wonderful resource.

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truMED a bariatric care solution backed by science, powered by technology.

Improving long-term outcomes means reimagining the way services are delivered, reconnecting broken pathways and shifting to a more patient-centered approach to care. truMED supports this modern approach by providing real-time data and analysis to the care team while providing patients the tools they need to succeed.

truPRO is the doctor-facing component of the truMED solution – an application for healthcare professionals that powers digital interaction with patients through the truME mobile app. truPRO simplifies the work of keeping patients on track to meet their health gain goals by delivering real-time data about each patient's diet, activity, mental health, and medical history from the truME mobile app to the care team, allowing them to monitor, triage, and care for patients remotely, and better support them at in-office visits.

truME the patient-facing mobile app works with truPRO and its connected weighing scale and wearable device to support behavioral, dietary, physical, and medical interventions designed to optimize long-term results for patients on their health gain journey.



VIVUS

An international leader in treating obesity as a chronic disease, VIVUS has more than a decade of experience providing therapeutic solutions to treat this serious condition. VIVUS remains committed to advancing treatment options for obesity and offering much-needed hope to patients globally.

VIVUS is a biopharmaceutical company committed to advancing innovative clinical therapies. With demonstrated clinical development and commercialization expertise, VIVUS is dedicated to addressing the therapeutic needs of patients with serious medical conditions and life-limiting diseases.

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**We are delighted to be in Dublin for the
30th European Congress on Obesity!**

Boehringer Ingelheim recognizes that obesity is a complex, chronic disease that requires long-term management, and that international collaboration and sharing the latest science at meetings such as ECO is vital for improving the lives of people living with obesity.

We hope you enjoy the congress.

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EASO

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