

ZOOM forward

▶▶ 22 ECO
IFSO-EC

Congress on Obesity
Maastricht, 4-7 May 2022

PROGRAMME BOOK

www.zoomforward22.org

PROGRAMME AT A GLANCE

4 MAY 2022, WEDNESDAY

TRACK 1
BASIC
SCIENCE

TRACK 2
BEHAVIOURAL AND
PUBLIC HEALTH

TRACK 3
CHILDHOOD AND
ADOLESCENT OBESITY

TRACK 4
MANAGEMENT AND
INTERVENTION

TEACHING WORKSHOPS 08:30-12:30					
Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
	Teaching Session: Addressing Obesity in Children-the Dutch approach 09:00-12:30		EASO and Obesity Canada Workshop: Adaptation and Implementation of Clinical Practice Guidelines	EASO Nutrition Working Group Teaching Workshop: Obesity Management in Primary Care; the role of dietitians 08:45-12:00	EASO SAB Masterclass: Metabolic phenotyping in Maastricht 09:00-12:00
COFFEE BREAK 10:15-10:30					
MULTIDISCIPLINARY AND TOPIC SESSIONS 12:30-14:00					
Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
Multidisciplinary Session: Weight loss in special (Pharmacotherapy) groups		Accepted Symposium: Meaningful youth engagement – building healthier food and physical activity environments for current and future generations: a symposium of the CO- CREATE project		Topic Session: Role of food environment to obesity prevention 12:30-13:30	Topic Session: Obesity in preschool children: beyond the first 1000 days 12:30-13:30
LUNCH 12:00-12:30					
MULTIDISCIPLINARY AND ABSTRACT SESSIONS 14:15-15:45					
Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
Topic Session: Timing Matters	EASO PAPFF WG Session: Effect of obesity treatment on Physical fitness and function			T2 Abstract Session: Mental Health & Stigma	T4 Abstract Session: Medical/Bariatric
COFFEE BREAK/COMMERCIAL EXHIBITION 15:45-16:15					
Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
Industry Supported Session - EASO 16:15-17:45					
OPENING PLENARY SESSION 17:45-18:30					
Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
The long and winding road to precision medicine: Patients Phenotyping-Now and the Future					
Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
ZOOM FORWARD OPENING CEREMONY 18:30-19:00					
Exhibition Hall	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
ZOOM FORWARD WELCOME RECEPTION 19:00-21:00					

PROGRAMME AT A GLANCE

5 MAY 2022, THURSDAY

TRACK 1
BASIC
SCIENCE

TRACK 2
BEHAVIOURAL AND
PUBLIC HEALTH

TRACK 3
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ADOLESCENT OBESITY

TRACK 4
MANAGEMENT AND
INTERVENTION

PLENARY SESSION

08:30-09:15

Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
Towards personalized interventions: balancing (epi)genetics and environmental factors					

TOPIC AND ABSTRACT SESSIONS

09:30-11:00

Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
Topic Session: Obesity management in specific patient groups		Accepted Symposium: The mapping and targeting of non-normative eating behaviours perpetuating obesity		Topic Session: The gut in the control of metabolism	EASO Session: Gaps and opportunities in obesity in adolescents: results from the ACTION Teens global study

COFFEE BREAK/COMMERCIAL EXHIBITION 11:00-11:30

MULTIDISCIPLINARY AND ABSTRACT SESSIONS

11:30-13:00

Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
Multidisciplinary Session: 'All hands on deck' for the treatment of children with obesity	Multidisciplinary Session: Debate in nutrition			T1 Abstract Session: Tackling Metabolism in Obesity	T4 Abstract Session: Obesity Risk Assessment and Management

POSTERS VIEWING AND LUNCH

13:00-14:45

Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
Industry Supported Session - EASO 13:15-14:45	Industry Supported Session - EASO 13:15-14:45		EASO General Council Meeting	Industry Supported Session - EASO 13:15-14:45	

TOPIC PLENARY SESSIONS

15:00-15:45

Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
Plenary Session: A year in public health					

COFFEE BREAK/COMMERCIAL EXHIBITION 15:45-16:15

ACCEPTED SYMPOSIA

16:15-17:45

Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
T1 Abstract Session: The Liver at the Crossroad of Metabolism	T2 Abstract Session: Policy and Nutrition			T3 Abstract Session: Short and Long term Complications of Obesity in Children and Adolescents	T4 Abstract Session: Pharmacotherapy for obesity

PLENARY SESSION

Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Poster Hall
A year of advances in obesity in children and adolescents 17:45-18:30					Posters Networking Reception: Track 1-2 18:00-19:00

PROGRAMME AT A GLANCE

6 MAY 2022, FRIDAY

TRACK 1
BASIC
SCIENCE

TRACK 2
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CHILDHOOD AND
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TRACK 4
MANAGEMENT AND
INTERVENTION

PLENARY SESSION 08:30-09:15					
Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
Cellular senescence in white adipose tissue: a therapeutic target to improve health?					
TOPIC AND ABSTRACT SESSIONS - 09:30-11:00					
Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
Topic Session: Sex Matters	Topic Session: Eating disorders among children and adolescents with obesity	Accepted Symposium: Family interventions promoting healthy behaviours in children (0-10 years) to tackle childhood obesity		Topic Session: Settings based approaches to obesity prevention	Topic Session: Optimization of current standard techniques
COFFEE BREAK/COMMERCIAL EXHIBITION - 11:00-11:30					
MULTIDISCIPLINARY AND ABSTRACT SESSIONS - 11:30-13:00					
Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
	T3 Abstract Session: Risk Factors for Obesity in Children and Adolescents	Accepted Symposium: The PhenFlex drink: a mixed-meal challenge test as a new standardized method to quantify health and intervention effects		Topic Session: Systems based approaches to obesity prevention: City-based case studies	Multidisciplinary Plenary Session: Update on Guidelines 11:30-13:15
LUNCH, EXHIBITION AND POSTERS - 13:00-15:00					
Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
Industry Supported Session - EASO 13:30-15:00	Industry Supported Session - EASO 13:15-14:45	EASO Early Career Network Awards Session 14:00-15:00	Topic Session: National Plans on Obesity - From Policy to practice 13:30-15:00		
TOPIC PLENARY SESSIONS - 15:00-15:45					
Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
How far are we from treating obesity to target? State-of-the-art of anti-obesity medications	Impact of obesity in adolescents and young adults on fertility 15:00-15:30				
COFFEE BREAK/COMMERCIAL EXHIBITION 15:45-16:15					
ABSTRACT SESSIONS 16:15-17:45					
Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
T2 Abstract Session: Behaviour and Lifestyle	T4 Abstract Session: Effects of Obesity Interventions	EASO Early Career Network Best Thesis Award Session			
PLENARY SESSION					
Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Poster Hall
					Posters Networking Reception: Track 3-4 18:00-19:00

PROGRAMME AT A GLANCE

7 MAY 2022, SATURDAY

TRACK 1
BASIC
SCIENCE

TRACK 2
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PUBLIC HEALTH

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ADOLESCENT OBESITY

TRACK 4
MANAGEMENT AND
INTERVENTION

PLENARY SESSION 08:30-09:15

Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
Panel Discussion on Food Labelling					

TOPIC SESSIONS 09:30-11:00

Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
Topic Session: Tailored dietary interventions	Topic Session: Physical Activity Environments	T1 Abstract Session: Multifaceted Aspects of Obesity		Topic Session: Community and systems approach to reducing obesity in children	

COFFEE BREAK/COMMERCIAL EXHIBITION 11:00-11:30

TOPIC AND ABSTRACT SESSIONS 11:30-13:00

Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
Topic Session: The multipotentiality of adipose tissue		Accepted Symposium: State influences on neural responses to food in overweight and eating disorders		T3 Abstract Session: Treatment and Management of Obesity in Children and Adolescents	Accepted Symposium: SWEET ZOOM. The role of sweeteners for obesity, health, safety, and sustainability

CLOSING PLENARY LECTURE 13:00-14:00

Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
Closing Plenary Lecture: Multidisciplinary Plenary					

Room: Auditorium 1	Room: Auditorium 2	Room: 0.4	Room: 0.5	Room: 0.10	Room: 0.11
CLOSING REMARKS 14:00-14:30					

4 MAY 2022, **WEDNESDAY**

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BASIC
SCIENCE

TRACK 2

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AND
INTERVENTION

08:30-12:30

TEACHING WORKSHOPS

09:00-12:30

Teaching Session: Addressing Obesity in Children - the Dutch approach

ROOM: AUDITORIUM 2

Chairs: Jennifer L Baker (Denmark), Edgar van Mil (Netherlands)

09:00-09:30

Introduction: Integrated Care for children with obesity, from public health to in patient programmes

E van Mil (Netherlands)
B van der Voorn (Netherlands)

09:30-10:00

Amplifying the obesogenic environment: lessons learned from the COVID epidemic

O Abawi (Netherlands)
J Lubrecht (Netherlands)

10:00-10:15

Metabolic associated fatty liver disease in children

ACE Vreugdenhil (Netherlands)

10:15-10:45

Diagnoses & Pharmacotherapy of hypothalamic obesity disorders in children

ELT van den Akker (Netherlands)
M Welling (Netherlands)

10:45-11:15

Coffee Break

11:15-11:30

Intensifying medical Care: bariatric surgery for adolescents with severe obesity

F van Dielen (Netherlands)

11:30-11:45

Clinical Evaluation

G O'Malley (Ireland)
COTF Panel

11:45-12:00

Complications of Childhood Obesity

G O'Malley (Ireland)
COTF Panel

12:00-12:30

Treatment Options

G O'Malley (Ireland)
COTF Panel

4 MAY 2022, **WEDNESDAY**

08:30-12:30	Canadian Adult Obesity Management Clinical Practice Guidelines International Adaptation Pilot Project Workshop	ROOM: 0.5
	Chair: Ximena Ramos Salas (Sweden)	
08:30-08:40	Welcome and Introductions	<i>M Forhan (Canada)</i>
08:40-08:50	Overview of the Canadian Adult Obesity Clinical Practice Guidelines	<i>S Wharton (Canada)</i>
08:50-09:00	Overview of the International CPG Adaptation Pilot Project	<i>X Ramos Salas (Sweden)</i>
09:00-09:15	What are the different approaches for adapting clinical practice guidelines and how can countries decide which ones to use?	<i>C Ávila (Chile)</i>
09:15-09:30	International Adaptation of the Canadian Adult Obesity Clinical Practice Guidelines: Pilot Project Process & Outcomes	<i>M A S Contreras (Guatemala)</i>
09:30-09:45	The Chilean experience of adapting the Canadian Adult Obesity Clinical Practice Guidelines	<i>Y Preiss (Chile) C Canales (Chile)</i>
09:45-10:00	The Irish experience of adapting the Canadian Adult Obesity Clinical Practice Guidelines	<i>J O'Connell (Ireland) C Breen (Ireland)</i>
10:00-10:15	Questions & Answers	<i>M Forhan (Canada)</i>
10:15-10:30	Break	
10:30-11:00	Case Study 1: How to use the ADAPTE methodology?	<i>C Breen (Ireland)</i>
	Case Study 2: How to use the Adolopment methodology?	<i>C Ávila (Chile)</i>
	Panel Discussion: Communications & Dissemination	<i>B Hussey (Canada) N Pearce (Canada) I Patton (Canada) S Birney (Ireland)</i>
11:00-11:40	-Public communications -Education to healthcare professionals -Patient engagement	
11:40-11:55	Health system bottlenecks and opportunities for CPG implementation in Canada, Chile and Ireland	<i>V Chee (US)</i>
11:55-12:15	Overview of the Canadian Guidelines for the Management of Obesity in Children and Adolescents	<i>G Ball (Canada) B Johnston (US)</i>
12:15-12:30	Plenary Discussion: International collaboration to implement guidelines and improve access to obesity care	<i>E Woodward (UK)</i>

4 MAY 2022, **WEDNESDAY**

08:45-12:00	<p>EASO Nutrition Working Group Teaching Workshop: Obesity Management in Primary Care; the role of dietitians</p> <p>Chairs: Maria Hassapidou (Greece), Ellen Govers (Netherlands)</p>	ROOM: 0.10
08:45-09:05	WHO new European report on the burden of overweight and obesity	<i>K Wickramasinghe (Russia)</i>
09:05-09:25	Adults: the role of the dietitian in Combined Lifestyle Interventions (CLI) in primary care in the Netherlands.	<i>E Kips (Netherlands)</i>
09:25-09:45	Importance of the new European dietary obesity guidelines on adults and children.	<i>M Hassapidou (Greece)</i>
09:45-10:00	The role of primary care from a patient point of view.	<i>S Sigurdardottir (Iceland)</i>
10:00-10:15	Discussion about the role of dietitians in primary care in Europe; the position of EFAD.	<i>A van Ginkel-Res (Netherlands)</i>
10:15-10:30	Break	
10:30-10:50	Comparison between the European and the National (Dutch) dietary guidelines for adults.	<i>E Govers (Netherlands)</i>
10:50-11:10	The implementation of the European dietary guidelines for children.	<i>O Androustos (Greece)</i>
11:10-11:30	How to implement the dietary guidelines into patient care.	<i>H Mulrooney (UK)</i>
11:30-12:00	How can politicians use guidelines to promote obesity management.	<i>J Bowman (Belgium)</i>
09:00-12:00	<p>EASO SAB Masterclass 'Metabolic phenotyping in Maastricht'</p> <p>Chairs: Gema Fruhbeck (Spain), G Goossens (Netherlands)</p>	ROOM: 0.11
09:00-09:20	A precision nutrition strategy in the prevention of chronic metabolic diseases	<i>E Blaak (Netherlands)</i>
09:20-09:50	Investigating tissue-specific substrate metabolism in vivo in humans	<i>G Goossens (Netherlands)</i>
09:50-10:20	Investigating in vitro and in vivo human gut microbial fermentation	<i>E Canfora (Netherlands)</i>
10:20-10:30	Break	
10:30-11:00	Examining inter-organ crosstalk in vitro	<i>J Jocken (Netherlands) R Meex (Netherlands)</i>
11:00-11:30	Magnetic Resonance Imaging and Spectroscopy	<i>V Schrauwen-Hinderling (Netherlands)</i>
11:30-12:00	Microscopical imaging tools to investigate muscle metabolism	<i>M Hesselink (Netherlands)</i>
10:15-10:30	COFFEE BREAK	

4 MAY 2022, **WEDNESDAY**

12:30-14:00

MULTIDISCIPLINARY AND TOPIC SESSIONS

12:30-14:00 **TS01** **Multidisciplinary Session: Weight loss in special (Pharmacotherapy) groups** **ROOM: AUDITORIUM 1**

Chairs: Hermann Toplak (Austria), Carly Hughes (UK)

12:30-13:00 TS01.01 Anti-obesity medications and bariatric surgery *A Miras (UK)*

13:00-13:30 Anti obesity (weight loss) medication and elderly *D Dicker (Israel)*

13:30-13:45 TS01.02 Marked weight loss and reduction in appetite with semaglutide 2.4mg weekly subcutaneous injection in a person with monogenic obesity secondary to a MC4R gene mutation *J Makaronidis (UK)*

13:45-14:00 TS01.03 Effect of liraglutide 3mg on bodyweight in people with poor weight loss and suboptimal glucagon-like peptide-1 response after metabolic surgery: a randomised double-blind, placebo-controlled trial *R Batterham (UK)*

12:30-14:00 **AS1** **Accepted Symposium: Meaningful youth engagement - building healthier food and physical activity environments for current and future generations: a symposium of the CO-CREATE project** **ROOM: 0.4**

Chair: Knut-Inge Klepp (Norway)

12:30-12:35 Welcome and introduction to the CO-CREATE project *K-I Klepp (Norway)*

12:35-12:45 Investing in young people as agents of change for health and well-being *M K Stensdal (Norway)*

12:45-12:55 Comparing the views of adolescents in five European countries on the drivers of obesity *N Savona (UK)*

12:55-13:05 What are the conditions needed to co-create system-based obesity prevention policy: a cross-national comparison on five European Countries *C Bröer (Netherlands)*

13:05-13:55 Panel Discussion *S Nesrallah (Norway)*

13:55-14:00 Close of the session *K-I Klepp (Norway)*

12:30-13:30 **TS02** **Topic Session: Role of food environment to obesity prevention** **ROOM: 0.10**

Chairs: Dana Mullerova (CZE), Joreintje Mackenbach (Netherlands)

12:30-13:00 TS02.01 Role of the physical environment *L Thornton (Belgium)*

13:00-13:15 TS02.03 Mapping primary school food systems to enable development of sustainable and feasible system-wide improvements to food provision: The CONNECTS-Food system map *M Bryant (UK)*

13:15-13:30 TS02.04 Strength of European level policies and priority recommendations to create healthy food environments to prevent obesity and diet-related non-communicable diseases *S K Djojoseparto (Netherlands)*

4 MAY 2022, **WEDNESDAY**

12:00-12:30		LUNCH		
12:30-13:30	TS03	Topic Session: Obesity in preschool children: beyond the first 1000 days		ROOM: 0.11
		Chairs: Jennifer L Baker (Denmark), Eva Corpeleijn (Netherlands)		
12:30-13:00	TS03.02	Ages 2 to 7 years as a window of opportunity		<i>T Westergren (Norway)</i>
13:00-13:15	TS03.03	Early detection of childhood overweight and related complications in a Danish population-based cohort aged 2-8 years		<i>C Frithioff-Bøjsøe (Denmark)</i>
13:15-13:30	TS03.04	Parental views on the acceptability and feasibility of measurement tools used to assess movement behaviours of pre-school children: a qualitative study		<i>S M Phillips (UK)</i>
14:15-15:45		MULTIDISCIPLINARY AND ABSTRACT SESSIONS		
14:15-15:45	TS04	Topic Session: Timing Matters		ROOM: AUDITORIUM 1
		Chairs: Evert van Schothorst (Netherlands), Patrick Schrauwen (Netherlands)		
14:15-14:45	TS04.01	The molecular circadian clock and tissue-specific responses to exercise		<i>B Gabriel (UK)</i>
14:45-15:15	TS04.02	Chrononutrition to combat obesity-related complications		<i>C M Peterson (US)</i>
15:15-15:30	TS04.03	Run for your live(r): Exercise training at different times of day differentially modulates hepatic inflammation in early NAFLD		<i>A Kovynev (Netherlands)</i>
15:30-15:45	TS04.04	Effects of sleep manipulation on markers of insulin sensitivity: a systematic review and meta-analysis of randomized controlled trials		<i>J S Quist (Denmark)</i>
14:15-15:45		EASO PAPFF WG Session: Effect of obesity treatment on Physical fitness and function		ROOM: AUDITORIUM 2
		Chairs: Grace O'Malley (Ireland), Jean-Michel Oppert (France)		
14:15-14:35		Effects of exercise training on physical fitness in adults with overweight/obesity: interventions to address specific health outcomes?		<i>M v Baak (Netherlands)</i>
14:35-14:55		Assessment of physical activity and physical fitness in children and adolescents with overweight/obesity: how and why?		<i>D Thivel (France)</i>
14:55-15:05		Physical activity counselling in practice: understanding the patient perspective		<i>M Murphy (Ireland)</i>
15:05-15:15		Physical activity counselling in practice: the health professional perspective		<i>JM Oppert (France)</i>
15:15-15:45		Discussion		

4 MAY 2022, **WEDNESDAY**

14:15-15:45	AD01	T2 Abstract Session: Mental Health & Stigma	ROOM: 0.10
		Chair: Jason Halford (UK), Ximena Ramos-Salas (Sweden)	
14:15-14:30	AD01.01	Exploring patients' lived experiences with bariatric surgery stigma	<i>FK Garcia (Netherlands)</i>
14:30-14:45	AD01.02	Mental health, food insecurity, loneliness, and health-related behaviours; the continued impact of the COVID-19 pandemic on UK adults living with obesity	<i>A Brown (UK)</i>
14:45-15:00	AD01.03	Association between anxiety and eating behaviors in patients with obesity	<i>A Acosta (US)</i>
15:00-15:15	AD01.04	The OBESTIGMA study: an assessment of obesity discrimination and weight bias in Spain	<i>A Lecube (Spain)</i>
15:15-15:30	AD01.05	Perceived weight-related stigma, loneliness, and mental wellbeing during COVID-19 in people with obesity: A cross-sectional study from ten European countries	<i>R A Jones (UK)</i>
15:30-15:45	AD01.06	"Is it time to throw out the weighing scales?" Implicit weight bias among healthcare professionals working in UK bariatric services and their attitude towards non-weight focused approaches	<i>S Abbott (UK)</i>
14:15-15:45	AD02	T4 Abstract Session: Medical/Bariatric	ROOM: 0.11
		Chairs: Luca Busetto (Italy), Paulina Salminen (Finland)	
14:15-14:30	AD02.01	Increased plasma and lingual uroguanylin contributes to changes in food preference after sleeve gastrectomy	<i>A Rodríguez (Spain)</i>
14:30-14:45	AD02.02	Risk of Fractures and Osteoporosis following Roux-en Y gastric bypass and Sleeve gastrectomy: A Danish population-based Cohort Study	<i>L A Winkelmann (Denmark)</i>
14:45-15:00	AD02.03	Pancreatic uptake of radiolabeled exendin-4 as measure for beta cell mass in patients with obesity and type 2 diabetes undergoing gastric bypass surgery	<i>L Deden (Netherlands)</i>
15:00-15:15	AD02.04	Lower Postprandial Hyperinsulinemic Hypoglycemia like Symptoms may help Identify Patients with Lower Post-Bariatric Late Dumping Syndrome: a Retrospective Observational Study	<i>G Rossini (Italy)</i>
15:15-15:30	AD02.05	Usability of the myfood24 healthcare app in tier 3 weight management and gastroenterology surgery patients: a feasibility randomised controlled trial	<i>J Cade (UK)</i>
15:30-15:45	AD02.06	The impact of bariatric surgery on intestinal microbiota in patients with severe obesity: 12 month follow-up	<i>A Ciudin (Spain)</i>

4 MAY 2022, **WEDNESDAY**

15:45-16:15	COFFEE BREAK/COMMERCIAL EXHIBITION	EXHIBITION HALL
16:15-17:45	INDUSTRY SUPPORTED SESSION - 1 / EASO Further information will be available via the Zoom Forward 22 website	ROOM: AUDITORIUM 1
17:45-18:30	OPENING PLENARY SESSION	
17:45-18:30	The long and winding road to precision medicine: Patients Phenotyping - Now and the Future Chairs: Gijs Goossens (Netherlands), Ronald Liem (Netherlands) The long and winding road to precision medicine: Patients Phenotyping - Now and the Future	ROOM: AUDITORIUM 1 <i>R Batterham (UK)</i>
18:30-19:00	ZOOM FORWARD OPENING CEREMONY	ROOM: AUDITORIUM 1
19:00-21:00	ZOOM FORWARD WELCOME RECEPTION	EXHIBITION HALL

5 MAY 2022, **THURSDAY**

TRACK 1
BASIC
SCIENCE

TRACK 2
BEHAVIOURAL
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TRACK 3
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TRACK 4
MANAGEMENT
AND
INTERVENTION

08:30-09:15		PLENARY SESSION	
08:30-09:15	PL1	<p>Towards personalized interventions: balancing (epi)genetics and environmental factors</p> <p>Chairs: Maria Del Mar Malagon (Spain), Ellen Blaak (Netherlands)</p>	ROOM: AUDITORIUM 1
	PL1	<p>Towards Personalized Interventions: Balancing Genetics and Environmental Factors</p> <p><i>R Loos (Denmark)</i></p>	
09:30-11:00		TOPIC AND ABSTRACT SESSIONS	
09:30-11:00	TS06	<p>Topic Session: Obesity management in specific patient groups</p> <p>Chairs: Marwan El Ghoch (Lebanon/Italy), Karen Freijer (Netherlands)</p>	ROOM: AUDITORIUM 1
09:30-10:00	TS06.01	<p>Diagnostic criteria for sarcopenic obesity</p> <p><i>L Donini (Italy)</i></p>	
10:00-10:30	TS06.02	<p>What treatment and for what outcome</p> <p><i>R Barazzoni (Italy)</i></p>	
10:30-10:45	TS06.03	<p>Body Mass Index and Weight Reductions in Patients With Obesity Due to Heterozygous Variants in POMC, PCSK1, and LEPR After 1 Year of Setmelanotide</p> <p><i>J Miller (UK)</i></p>	
10:45-11:00	TS06.04	<p>Metformin in the management of antipsychotic-induced weight gain in adults with psychosis: Development of the first evidence-based guideline using GRADE methodology</p> <p><i>I Fitzgerald (Ireland)</i></p>	
09:30-11:00	AS2	<p>Accepted Symposium: The mapping and targeting of non-normative eating behaviours perpetuating obesity</p> <p>Chair: Anita Jansen (Netherlands)</p>	ROOM: 0.4
09:30-09:35		<p>Introduction</p> <p><i>A Jansen (Netherlands)</i></p>	
09:35-09:55		<p>Prospective associations between mood, emotion regulation, and binge eating</p> <p><i>J Svaldi (Germany)</i></p>	
09:55-10:15		<p>Beating the Binge: the role of cognitions in binge eating behaviour</p> <p><i>L Lemmens (Netherlands)</i></p>	
10:15-10:35		<p>Prognostic significance of non-normative eating behaviours for weight loss and quality of life over six years after obesity surgery</p> <p><i>A Hilbert (Germany)</i></p>	
10:35-10:55		<p>Effective mapping and targeting of non-normative eating behaviours: the state of the art</p> <p><i>A Jansen (Netherlands)</i></p>	
10:55-11:00		<p>Closing</p> <p><i>A Jansen (Netherlands)</i></p>	

5 MAY 2022, **THURSDAY**

09:30-11:00	TS05	Topic Session: The gut in the control of metabolism	ROOM: 0.10
		Chairs: Ellen Blaak (Netherlands), Anne Raben (Denmark)	
09:30-10:00	TS05.01	Gut microbiota in obesity: impact on peripheral metabolism	<i>N Delzenne (Belgium)</i>
10:00-10:30	TS05.02	Bottom Up Control of Appetite	<i>G Schwartz (US)</i>
10:30-10:45	TS05.03	Gut microbiome profiling in tissue-specific insulin resistance: A cross-sectional analysis of the PERSON study	<i>K M Jardon (Netherlands)</i>
10:45-11:00	TS05.04	The striatal response to intra-gastric infusion of glucose and lipid is severely impaired in humans with obesity and is not reversed by diet-induced weight loss	<i>K A Van Galen (Netherlands)</i>
09:30-11:00		EASO Session: Gaps and opportunities in obesity in adolescents: results from the ACTION Teens global study	ROOM: 0.11
		Chair: Jason Halford (UK)	
09:30-09:40		Introduction	<i>J Halford (UK)</i>
09:40-09:50		Study rationale and methodology	<i>F Fernandez-Aranda (Spain)</i>
09:50-10:05		Study results	<i>C Maffei (Italy)</i>
10:05-10:15		Interpretation and discussion	<i>L Baur (Australia)</i>
10:15-10:25		Independent commentary - HCP angle	<i>J-C Holm (Denmark)</i>
10:25-10:35		Independent commentary - PLWO angle	<i>K Voynikov (Bulgaria)</i>
10:35-11:00		Q&A and panel discussion	
11:00-11:30		COFFEE BREAK/COMMERCIAL EXHIBITION	EXHIBITION HALL
11:30-13:00		MULTIDISCIPLINARY AND ABSTRACT SESSIONS	
11:30-13:00	TS07	Multidisciplinary Session: 'All hands on deck' for the treatment of children with obesity	ROOM: AUDITORIUM 1
		Chairs: Grace O'Malley (Ireland), Jens-Christian Holm (Denmark)	
11:30-12:00	TS07.01	Dutch National Model Integrated care for childhood overweight and obesity	<i>E van Mil (Netherlands)</i>
12:00-12:30	TS07.02	Medical options for treatment: GLP-1 agonists	<i>A Kelly (US)</i>
12:30-13:00	TS07.03	Metabolic-bariatric surgery in Children and Adolescents	<i>T Olbers (Sweden)</i>
11:30-13:00	TS08	Multidisciplinary Session: Debate in nutrition	ROOM: AUDITORIUM 2
		Chairs: Ellen Govers (Netherlands), Giovanna Muscogiuri (Italy)	
11:30-12:00	TS08.01	The potential benefits of low carb diets	<i>M Glandt (Israel)</i>
12:00-12:30	TS08.02	The potential benefits of intermittent fasting	<i>E Ravussin (US)</i>
12:30-12:45	TS08.03	Volatile organic compounds (VOC) as a marker of poor-quality diets: a pilot study in UK adults	<i>S L Wilson Barnes (UK)</i>
12:45-13:00	TS08.04	A double-blinded, randomized, parallel, intervention study to investigate biomarker-based nutrition plans for weight loss in Danish Adults: The Empowering consumers to PREVENT diet-related diseases through OMICS sciences (PREVENTOMICS) study	<i>M A Aldubayan (Denmark)</i>

5 MAY 2022, **THURSDAY**

11:30-13:00	AD03	T1: Abstract Session: Tackling Metabolism in Obesity	ROOM: 0.10
		Chairs: Gema Fruhbeck Martínez (Spain), Gijs Goossens (Netherlands)	
11:30-11:45	AD03.01	The effect of SGLT2 inhibitor dapagliflozin on substrate metabolism in humans with prediabetes	<i>A Veelen (Netherlands)</i>
11:45-12:00	AD03.02	G3PP /PGP: a novel calorie restriction mimetic enzyme that promotes healthy aging via the AMPK-TFEB-Autophagy axis	<i>E Possik (Canada)</i>
12:00-12:15	AD03.03	Quantifying metabolic resilience; getting the most out of your challenge test data	<i>S O'Donovan (Netherlands)</i>
12:15-12:30	AD03.04	The central and peripheral effects of dopamine D2 receptor agonist therapy in patients with type 2 diabetes	<i>J van Son (Netherlands)</i>
12:30-12:45	AD03.05	South Asian overweight type 2 diabetes patients have higher circulating mRNA and protein levels involved in the interferon signaling pathway compared to Europeans	<i>M E Straat (Netherlands)</i>
12:45-13:00	AD03.06	Assessment of the bi-directional relationship between blood mitochondrial DNA copy number and type 2 diabetes mellitus: a multivariable-adjusted Mendelian Randomization study	<i>W Wang (Netherlands)</i>
11:30-13:00	AD04	T4 Abstract Session: Obesity Risk Assessment and Management	ROOM: 0.11
		Chair: Albert Lecube (Spain)	
11:30-11:45	AD04.01	Cardiovascular risk reduction independently associated with lifestyle changes beyond associations with obesity and insulin-resistance reduction during the 3-year PREVIEW lifestyle study	<i>M W Plantenga (Netherlands)</i>
11:45-12:00	AD04.02	Monocyte alterations in individuals with obesity after a 75 week lifestyle intervention	<i>E van Der Valk (Netherlands)</i>
12:00-12:15	AD04.03	Cardiopulmonary Exercise Test in Edmonton Obesity Staging System	<i>S Bettini (Italy)</i>
12:15-12:30	AD04.04	Effects of exercise, liraglutide, or both combined on glucose tolerance and β -cell function after diet-induced weight loss in adults with obesity: a randomised, placebo-controlled study	<i>S B K Jensen (Denmark)</i>
12:30-12:45	AD04.05	Sarcopenic obesity in morbidly obese patients <60 years old: prevalence and diagnostic methods	<i>M Comas (Spain)</i>
12:45-13:00	AD04.06	Validation of ultrasound to measure lean mass in a population with obesity: a prospective cross-sectional study	<i>D Sizoo (Netherlands)</i>
13:00-14:45		POSTERS VIEWING AND LUNCH	EXHIBITION HALL
13:15-14:45		INDUSTRY SUPPORTED SESSION - 2 / EASO	ROOM: AUDITORIUM 1
		<i>Further information will be available via the Zoom Forward 22 website</i>	
13:15-14:45		INDUSTRY SUPPORTED SESSION - 3 / EASO	ROOM: AUDITORIUM 2
		<i>Further information will be available via the Zoom Forward 22 website</i>	
13:15-14:45		INDUSTRY SUPPORTED SESSION - 4 / EASO	ROOM: 0.10
		<i>Further information will be available via the Zoom Forward 22 website</i>	

5 MAY 2022, **THURSDAY**

15:00-15:45		TOPIC PLENARY SESSIONS		
15:00-15:45	PL2	Plenary Session: A year in public health		ROOM: AUDITORIUM 1
		Chairs: Janas Harrington (Ireland), Jaap Seidell (Netherlands)		
15:00-15:20	PL2.01	Co-creation and Community Engagement in Obesity Prevention and Treatment		<i>M Chin A Paw (Netherlands)</i>
15:20-15:40	PL2.02	Digital Technology Approaches to Prevention and Treatment of Obesity		<i>R Crutzen (Netherlands)</i>
15:40-15:45		Q&A		
15:45-16:15		COFFEE BREAK/COMMERCIAL EXHIBITION		EXHIBITION HALL
16:15-17:45		ACCEPTED SYMPOSIA		
16:15-17:45	AD05	T1 Abstract Session: The Liver at the Crossroad of Metabolism		ROOM: AUDITORIUM 1
		Chair: Ruth Meex (Netherlands)		
16:15-16:30	AD05.01	NAFLD activity score correlates with waist circumference and circulating amino acids in patients living with severe obesity		<i>I M Payette (Canada)</i>
16:30-16:45	AD05.02	Selective inhibition of DHCR24 ameliorates hepatic steatosis and inflammation through LXRA without inducing hyperlipidemia		<i>P Rensen (Netherlands)</i>
16:45-17:00	AD05.03	Impact of impaired glucose regulation on hepatic and systemic inflammation in men with non-alcoholic fatty liver disease		<i>S Malaikah (Saudi Arabia)</i>
17:00-17:15	AD05.04	The effect of weight-loss on whole-body and tissue-specific insulin sensitivity and intrahepatic lipid content and composition – a SWEET sub-study		<i>M D Pang (Netherlands)</i>
17:15-17:30	AD05.05	Effect of a low compared to a high glycemic index and saturated fat diet on liver fat and substrate metabolism		<i>J M Basset Sagarmnaga (Netherlands)</i>
17:30-17:45		Discussion		
16:15-17:45	AD06	T2 Abstract Session: Policy and Nutrition		ROOM: AUDITORIUM 2
		Chairs: Teodora Handjieva-Darlenska (Bulgaria), Niamh Arthurs (Ireland)		
16:15-16:30	AD06.01	Front of pack labels and objective understanding of product healthiness: Findings from an Online Randomised-Controlled Experiment in a Representative British Sample		<i>J Packer (UK)</i>
16:30-16:45	AD06.02	Effectiveness and Policy Determinants of Sugar-Sweetened Beverage Taxes		<i>L L Hageaars (Netherlands)</i>
16:45-17:00	AD06.03	Portion size estimation in dietary assessment: a systematic review of existing tools, limits and strengths		<i>O M Torres (Mexico)</i>
17:00-17:15	AD06.04	Joint association of alcohol consumption and adiposity with alcohol and obesity-related cancer in a population sample of 399,575 UK adults		<i>E Inan Eroglu (Australia)</i>
17:15-17:30	AD06.05	Mediterranean diet is inversely associated to fatty liver index in patients with obesity and low HDL-cholesterol		<i>A Leone (Italy)</i>
17:30-17:45	AD06.06	Development of a stand-alone diet quality index for elementary school-aged children		<i>E Koivuniemi (Finland)</i>

5 MAY 2022, **THURSDAY**

16:15-17:45	AD07	T3 Abstract Session: Short and Long term Complications of Obesity in Children and Adolescents	ROOM: 0.10
		Chair: Grace O'Malley (Ireland)	
16:15-16:30	AD07.01	Anthropometrics and neurodevelopment of children at 2 and 3 years of age following a pregnancy lifestyle intervention in routine care - secondary findings from the GeliS trial	<i>M Spies (Germany)</i>
16:30-16:45	AD07.02	Lipidomic profile in mid and late pregnancy and in cord blood is associated with early ascending growth of offspring	<i>E Huvinen (Finland)</i>
16:45-17:00	AD07.03	Epigenetic signatures of rapid weight growth	<i>R Alfano (Belgium)</i>
17:00-17:15	AD07.04	A review of results from the HOLBAEK Study	<i>M M Fraulund (Denmark)</i>
17:15-17:30	AD07.05	FADS cluster variants are associated with insulin sensitivity in children and adolescents with obesity	<i>A Maguolo (Italy)</i>
17:30-17:45	AD07.06	Childhood weight status and rates of adult-onset chronic kidney disease	<i>J Aarestrup (Denmark)</i>
16:15-17:45	AD08	T4 Abstract Session: Pharmacotherapy for obesity	ROOM: 0.11
		Chairs: Paolo Sbraccia (Italy), Liesbeth van Rossum (Netherlands)	
16:15-16:30	AD08.01	Two-year effect of semaglutide 2.4 mg on control of eating in adults with overweight/obesity: STEP 5	<i>R Batterham (UK)</i>
16:30-16:45	AD08.02	A novel successful therapeutic option after a journey of treatment failures in a patient with heterozygous {melanocortin-4 receptor} deficiency	<i>M S Welling (Netherlands)</i>
16:45-17:00	AD08.03	Effect of oral erythritol on subsequent energy intake during an {ad libitum} test meal	<i>F Teyesseire (Switzerland)</i>
17:00-17:15	AD08.04	Semaglutide 2.4 mg and 1.0 mg improved albuminuria in adults with overweight/obesity and type 2 diabetes in STEP 2	<i>H J L Heerspink (Netherlands)</i>
17:15-17:30	AD08.05	Weight loss outcomes with semaglutide 2.4 mg in moderate or severe obesity in STEP 1 and 2	<i>C Le Roux (Ireland)</i>
17:30-17:45	AD08.06	Comparison of the efficacy of Transcranial Magnetic Stimulation and GLP-1 Receptor Agonists on weight loss in individuals with Obesity and Type 2 Diabetes: results of a retrospective comparative study	<i>L Luzi (Italy)</i>

5 MAY 2022, **THURSDAY**

17:45-18:30		PLENARY SESSION		
17:45-18:30	PL3	A year of advances in obesity in children and adolescents		ROOM: AUDITORIUM 1
		Chairs: Jennifer L Baker (Denmark), Cilius Fonvig (Denmark)		
	PL3	A Year in Childhood and Adolescent Obesity		<i>L Baur (Australia)</i>
18:00-19:00		EASO Posters Networking Reception: Tracks 1 and 2		POSTER HALL
		Guided Posters: Tracks 1		
		Chairs: Emanuel Canfora (Netherlands), Jørn Sagen (Norway)		
		Guided Posters: Tracks 2		
		Chairs: Bedia Fulya Calikoglu (Turkey), Lisa Heggie (UK), Wilrike Pasman (Netherlands)		

ZOOM
forward
ECO
IFSO-EC

6 MAY 2022, **FRIDAY**

TRACK 1
BASIC
SCIENCE

TRACK 2
BEHAVIOURAL
AND PUBLIC
HEALTH

TRACK 3
CHILDHOOD AND
ADOLESCENT
OBESITY

TRACK 4
MANAGEMENT
AND
INTERVENTION

08:30-09:15		PLENARY SESSION	
08:30-09:15	PL4	Plenary Session: Cellular senescence in white adipose tissue: a therapeutic target to improve health?	ROOM: AUDITORIUM 1
		Chairs: Jorn Sagen (Norway), Johan Jocken (Netherlands)	
	PL4	Adipocyte senescence in human white adipose tissue	<i>K Spalding (Sweden)</i>
09:30-11:00		TOPIC AND ABSTRACT SESSIONS	
09:30-11:00	TS10	Topic Session: Sex Matters	ROOM: AUDITORIUM 1
		Chairs: Gijs Goossens (Netherlands), Eric Ravussin (US)	
09:30-10:00	TS10.01	The biological underpinnings of body fat distribution	<i>F Karpe (UK)</i>
10:00-10:30	TS10.02	Sex-differences in metabolic pathophysiology	<i>F Mauvais-Jarvis (US)</i>
10:30-10:45	TS10.03	Age and sex influence body composition and cardiometabolic benefits of a 3-year lifestyle intervention - data from the PREVIEW study	<i>A Raben (Denmark)</i>
10:45-11:00	TS10.04	Chronotype and Gender: what does it occur in obesity?	<i>G de Alteriis (Italy)</i>
09:30-11:00	TS11	Topic Session: Eating disorders among children and adolescents with obesity	ROOM: AUDITORIUM 2
		Chair: Britt Wang Jensen (Denmark), Anne Roefs (Netherlands)	
09:30-10:10		Rapid and pronounced clinical improvement in patients with Anorexia Nervosa upon treatment with human recombinant leptin	<i>J Hebebrand (Germany)</i>
10:10-10:50		Does treating obesity in children lead to eating disorders?	<i>D Wilfely (US)</i>
10:50-11:00		Discussion	

6 MAY 2022, **FRIDAY**

09:30-11:00	AS3	Accepted Symposium: Family interventions promoting healthy behaviours in children (0-10 years) to tackle childhood obesity Chair: Jessica Gubbels (Netherlands)	ROOM: 0.4
09:30-09:35		Opening	<i>J Gubbels (Netherlands)</i>
09:35-09:50	AS3.01	An app-based parenting program (Samen Happie!) to promote healthy energy-balanced related parenting practices in early childhood: Process, effectiveness, and lessons learned	<i>LT Karssen (Netherlands)</i>
09:50-10:05	AS3.02	Increasing parental involvement in SuperFIT to promote healthy energy balance-related behaviours in young children	<i>LSE Harms (Netherlands)</i>
10:05-10:20	AS3.03	Move ARound and Get Active: co-creating an intervention to optimize 24-hour movement behaviours in pre-schoolers with overweight	<i>M Decraene (Belgium)</i>
10:20-10:35	AS3.04	Familie+- real-word implementation of a school-and-family based obesity prevention program in primary schools in Germany	<i>A Ziegeldorf (Germany)</i>
10:35-11:00		Discussion	
09:30-11:00	TS09	Topic Session: Settings based approaches to obesity prevention Chairs: Snezana Polovina (Serbia), Stef Kremers (Netherlands)	ROOM: 0.10
09:30-10:00	TS09.01	School-based health promotion	<i>G Buijs (France)</i>
10:00-10:30	TS09.02	Hospital-based health promotion	<i>N de Vries (Netherlands)</i>
10:30-10:45	TS09.03	"Fruit Heroes® - Healthy School Snack": Results from a school-based intervention targeting the promotion of fruit consumption	<i>R Martins (Portugal)</i>
10:45-11:00	TS09.04	'Turning the Tide' - development of an independent long-term healthy weight strategy for the UK	<i>C Cerny (UK)</i>
11:00-11:30		COFFEE BREAK/COMMERCIAL EXHIBITION	EXHIBITION HALL
11:30-13:00		MULTIDISCIPLINARY AND ABSTRACT SESSIONS	
11:30-13:00	AD09	T3 Abstract Session: Risk Factors for Obesity in Children and Adolescents Chairs: Tanja Vrijkotte (Netherlands), Grace O'Malley (Ireland)	ROOM: AUDITORIUM 2
11:30-11:45	AD09.01	Promoting vegetable acceptance in toddlers using a contingency management program: a cluster randomised trial	<i>B v Belkom (Netherlands)</i>
11:45-12:00	AD09.02	The new normal? Changes in children's obesity-related behaviours between the first and second Covid-19 waves: A three-country qualitative study	<i>P Nowicka (Sweden)</i>
12:00-12:15	AD09.03	Associations between parental and child's physical activity and dietary intake: The role of parental involvement and child's sex	<i>T Vrijkotte (Netherlands)</i>
12:15-12:30	AD09.04	The majority of food & beverage cues promoted by German-speaking influencers on TikTok, Instagram, and YouTube are nutritionally poor and not disclosed as advertising	<i>M Wakolbinger (Austria)</i>
12:30-12:45	AD09.05	Association between sleep pattern during COVID-19 lockdown and body weight changes in adolescents	<i>M Mayer (Argentina)</i>
12:45-13:00	AD09.06	The association of cannabis use with fast-food consumption, overweight, and obesity among adolescents aged 12-15 years from 28 countries	<i>E Romano (UK)</i>

6 MAY 2022, **FRIDAY**

11:30-13:00	AS4	Accepted Symposium: The PhenFlex drink: a mixed-meal challenge test as a new standardized method to quantify health and intervention effects	ROOM: 0.4
		Chairs: Wilrike Pasman (Netherlands), Karin Bosch (Netherlands)	
11:30-12:00		The concept and use of phenotypic flexibility in nutrition intervention studies	<i>S Wopereis (Netherlands)</i>
12:00-12:15		Analysis of phenotypic flexibility as an innovative method in nutrition research	<i>M Muller (UK)</i>
12:15-12:30		Metabolic phenotypes towards diabetes: implications for precision nutrition	<i>E Blaak (Netherlands)</i>
12:30-12:45		Considerations on the PhenFlex challenge test as a suitable method for health claim applications in Europe	<i>I Tetens (Denmark)</i>
12:45-13:00		Panel discussion	<i>W Pasman (Netherlands)</i>
11:30-13:00	TS12	Topic Session: Systems based approaches to obesity prevention: City-based case studies	ROOM: 0.10
		Chairs: Nathalie Farpour-Lambert (Switzerland), Janas Harrington (Ireland)	
11:30-12:00	TS12.01	Amsterdam	<i>W Waterlander (Netherlands)</i>
12:00-12:30	TS12.02	WHO Healthy Cities Cork, Ireland	<i>D Cahill (Ireland)</i>
12:30-12:45	TS12.03	Whole Systems Approaches to Healthy Weight and Diet across eight local authorities in Scotland: key learning	<i>N Smith (Scotland)</i>
12:45-13:00	TS12.04	The promise of natural experiments and triangulation of evidence: lessons from the evaluation of school-based obesity prevention program Lekker Fit!	<i>F J M Mölenberg (Netherlands)</i>
11:30-13:15	PL5	Multidisciplinary Session: Update on Guidelines	ROOM: 0.11
		Chair: Volkan Yumuk (Turkey)	
11:30-11:45	PL5.01	Clinical impact of the concept of obesity as an ABCD	<i>J Mechanick (US)</i>
11:45-12:00	PL5.02	What's new in the Canadian Clinical Practice Guidelines	<i>A Sharma (Canada)</i>
12:00-12:15	PL5.03	EASO medical nutrition therapy recommendations	<i>M Hassapidou (Greece)</i>
12:15-12:30	PL5.04	ERABS 2021 update	<i>E Stenberg (Sweden)</i>
12:30-12:45	PL5.06	Post-bariatric body contouring surgery / Body-Q	<i>A Pusic (US)</i>
12:45-13:00	PL5.07	MDT approach to screening, indication and follow-up	<i>V Yumuk (Turkey)</i>
13:00-13:15	PL5.08	What else do we need?	<i>L Busetto (Italy)</i>

6 MAY 2022, **FRIDAY**

13:00-15:00	LUNCH, EXHIBITION AND POSTERS VIEWING	POSTER HALL
13:15-14:45	INDUSTRY SUPPORTED SESSIONS - 5 / EASO <i>Further information will be available via the Zoom Forward 22 website</i>	ROOM: AUDITORIUM 2
13:30-15:00	INDUSTRY SUPPORTED SESSIONS - 6 / EASO <i>Further information will be available via the Zoom Forward 22 website</i>	ROOM: AUDITORIUM 1
14:00-15:00	EASO Early Career Network Awards Session Chairs: ECN Board	ROOM: 0.4
14:00-14:05	Welcome from the ECN Board	
14:05-14:15	ECN Award in Public Health	<i>E Inan-Eroglu (Germany)</i>
14:15-14:25	ECN Award in Childhood Obesity Research	<i>M Hudda (UK)</i>
14:25-14:35	ECN Award in Basic Science	<i>A Izquierdo (Spain)</i>
14:35-14:45	ECN Award in Clinical Research	<i>J Quist (Denmark)</i>
14:45-14:55	Questions for the Award Winners	
14:55-15:00	Engagement in the ECN Network	
13:30-15:00	Topic Session: National Plans on Obesity - From Policy to practice Chair: Pernille Weiss, MEP (<i>Chair of the European Parliamentarian Interest Group on Obesity and Health System Resilience</i>)	ROOM: 0.5
13:30-13:45	Welcome and opening remarks <i>Pernille Weiss, MEP (EPP-Denmark), Antonius MANDERS, MEP (EPP-Netherlands)</i>	
13:45-14:00	Setting the context: State of Play for Obesity National Plans across the Region <i>Jacqueline Bowman-Busato (Belgium)</i>	
14:00-15:00	Fishbowl Discussion <i>Pernille Weiss, MEP (EPP-Denmark)</i> <i>Julianne Williams (WHO)</i> <i>Alina Constantin (France)</i> <i>Antonius MANDERS, MEP (EPP-Netherlands)</i> <i>Liesbeth van Rossum (Netherlands)</i> <i>Grace O'Malley (Ireland)</i>	
15:00-15:45	TOPIC PLENARY SESSIONS	

6 MAY 2022, **FRIDAY**

15:00-15:45	PL6	How far are we from treating obesity to target? State-of-the-art of anti-obesity medications	ROOM: AUDITORIUM 1
		Chairs: Dror Dicker (Israel), Bart Van der Schueren (Belgium)	
15:00-15:20		Panel Discussion	<i>D Dicker (Israel)</i>
15:20-15:40		Panel Discussion	<i>J Wilding (UK)</i>
15:40-15:45		Q&A	
15:00-15:30	PL7	Impact of obesity in adolescents and young adults on fertility	ROOM: AUDITORIUM 2
		Chairs: Nathalie Farpour-Lambert (Switzerland), Erica van den Akker (Netherlands)	
15:00-15:20	PL7.02	Impact of obesity in adolescents on fertility	<i>R Reynolds (UK)</i>
15:20-15:30		Q&A	
15:45-16:15		COFFEE BREAK/COMMERCIAL EXHIBITION	EXHIBITION HALL
16:15-17:45		ABSTRACT SESSIONS	
16:15-17:45	AD10	T2 Abstract Session: Behaviour and Lifestyle	ROOM: AUDITORIUM 1
		Chair: Janas Harrington (Ireland)	
16:15-16:30	AD10.01	Psychological phenotypes in morbid obesity	<i>O Aydin (Netherlands)</i>
16:30-16:45	AD10.02	("Forever young at the table"): slow eating at lunch and dinner to prevent dyslipidaemia in obesity	<i>L Verde (Italy)</i>
16:45-17:00	AD10.03	Lifestyle interventions for reducing gestational weight gain in women with overweight or obesity: an overview of systematic reviews	<i>F J Fair (UK)</i>
17:00-17:15	AD10.04	COVID-19: Lifestyle habits during the pandemic in Italy	<i>Y M Khazrai (Italy)</i>
17:15-17:30	AD10.05	Obesity management and prevention through the foundation of an innovative platform to support persons with obesity: STOP Portal, feasibility study	<i>A Moorhead (Ireland)</i>
17:30-17:45	AD10.06	Motivators, barriers, and facilitators for weight loss and weight maintenance in the pre-conception period among Danish women with overweight and obesity, who plan to become pregnant	<i>M L Pico (Denmark)</i>

6 MAY 2022, **FRIDAY**

16:15-17:45 AD11 T4 Abstract Session: Effects of Obesity Interventions			ROOM: AUDITORIUM 2
		Chairs: Gema Fruhbeck (Spain), Davor Stimac (Croatia)	
16:15-16:30	AD11.05	Two-year effect of semaglutide 2.4 mg vs placebo in adults with overweight or obesity: STEP 5	<i>R Batterham (UK)</i>
16:30-16:45	AD11.01	Smartphone derived body composition and anthropometry for tracking weight loss	<i>M K Smith (Australia)</i>
16:45-17:00	AD11.02	Recruiting and engaging women of reproductive age with obesity: a mixed-methods Study Within A Trial (SWAT)	<i>S L Killeen (Ireland)</i>
17:00-17:15	AD11.03	Lowering branched-chain amino acid levels in patients with type 2 diabetes by sodium-phenylbutyrate improves insulin sensitivity	<i>F Vanweert (Netherlands)</i>
17:15-17:30	AD11.04	Plasma levels of GDF15 increase in response to acute exercise in individuals with overweight or obesity but is unaffected by exercise training	<i>J S Quist (Denmark)</i>
17:30-17:45	AD11.06	Long-term Psychological Stress is Associated with Lower FGF-21 Levels in Patients with Obesity	<i>S Kuckuck (Netherlands)</i>

16:15-17:45 EASO Early Career Network Best Thesis Award Session			ROOM: 0.4
		Chairs: ECN Board	
16:15-16:20		Welcome from the ECN Board	
16:20-16:40		Best Thesis Candidate 1	<i>M Bramming (Denmark)</i>
16:40-17:00		Best Thesis Candidate 2	<i>R Jones (UK)</i>
17:00-17:20		Best Thesis Candidate 3	<i>L Tully (Ireland)</i>
17:20-17:40		Presentation: Details to be announced	
17:40-17:45		Engagement in the ECN Network Announcement of the winner of the EASO ECN Best Thesis award 2022	

17:45-18:30 PLENARY SESSION

18:00-19:00 EASO Posters Networking Reception: Tracks 3 and 4			POSTER HALL
Guided Posters: Tracks 3			
Chairs: Cilius Fonvig (Denmark), Erica van den Akker (Netherlands)			
Guided Posters: Tracks 4			
Chairs: Wilrike Pasman (Netherlands), Jean O'Connell (Ireland)			

7 MAY 2022, **SATURDAY**

TRACK 1

BASIC
SCIENCE

TRACK 2

BEHAVIOURAL
AND PUBLIC
HEALTH

TRACK 3

CHILDHOOD AND
ADOLESCENT
OBESITY

TRACK 4

MANAGEMENT
AND
INTERVENTION

08:30-09:15

PLENARY SESSION

08:30-09:15

PL8

Plenary Session: Panel Discussion on Food Labelling

ROOM: AUDITORIUM 1

Chairs: Johanna Ralston (US), Mette Svendsen (Norway)

PL8.01
PL8.03
PL8.04

Panel discussion

J Seidell (Netherlands)
N Gokani (UK)
C Julia (France)

09:30-11:00

TOPIC SESSIONS

09:30-11:00

TS14

Topic Session: Tailored dietary interventions

ROOM: AUDITORIUM 1

Chairs: Cathy Breen (Ireland), Maria Hassapidou (Greece)

09:30-10:00

TS14.01

Whole grains, gut microbiota and health - Time to get personal?

R Landberg (Sweden)

10:00-10:30

TS14.02

Different responses to dietary fat in relation to cardiovascular disease

J Lovegrove (UK)

10:30-11:00

TS14.03

Elective, non-bariatric surgery in adult patients with obesity: can preoperative dietary interventions improve surgical outcomes?

S Griffin (Australia)

09:30-11:00

TS15

Topic Session: Physical Activity Environments

ROOM: AUDITORIUM 2

Chairs: Marleen van Baak (Netherlands), Jean-Michel Oppert (France)

09:30-10:00

TS15.01

Role of the physical environment as a determinant of obesity

N d Braver (Netherlands)

10:00-10:30

TS15.02

The role of policy

C Woods (Ireland)

10:30-10:45

TS15.03

Domain of physical activity matters for risk of type 2 diabetes

J v d Velde (Netherlands)

10:45-11:00

TS15.04

The Impact of COVID-19 on Eating and Physical Activity Behaviors and Body Weight: International Weight Control Registry

T K Chui (US)

7 MAY 2022, **SATURDAY**

09:30-11:00	AD12	T1 Abstract Session: Multifaceted Aspects of Obesity	ROOM: 0.4
		Chairs: Kirsi Pietiläinen (Finland), Johan Jocken (Netherlands)	
09:30-09:45	AD12.01	Deleterious effect of high-fat diet on skeletal muscle performance is prevented by high-protein intake in adult rats but not in old rats	<i>E Poggiogalle (Italy)</i>
09:45-10:00	AD12.02	Dietary improvement during lactation normalizes the expression levels of miR-26a, miR-222 and miR-484 and some target genes in the mammary gland of obese rats at weaning	<i>C A Pomar (Spain)</i>
10:00-10:15	AD12.03	Association of Microvascular Changes and Neuroretinal Thinning with Obesity in An Older Population in Southern Italy: a Machine Learning Approach	<i>L Lampignano (Italy)</i>
10:15-10:30	AD12.04	Supplementation with Highly Esterified Pectin (HEP) as a reversal factor for cardiovascular risk associated with perinatal metabolic malprogramming	<i>S Galmés (Spain)</i>
10:30-10:45	AD12.05	Distinct associations of plasma methionine and cysteine with regional fat distribution: CODAM and The Maastricht study	<i>E C Tore (Netherlands)</i>
10:45-11:00	AD12.06	Impact of baseline fat depots cellularity on bariatric surgery success	<i>S Ledoux (France)</i>
09:30-11:00	TS13	Topic Session: Community and systems approach to reducing obesity in children	ROOM: 0.10
		Chairs: Mary Nicolaou (Netherlands), Knut-Inge Klep (Norway)	
09:30-10:00	TS13.01	Healthy primary schools for the future: A systems approach school-based intervention	<i>O v Schayck (Netherlands)</i>
10:00-10:30	TS13.02	Safe digital environments for children	<i>E Boyland (UK)</i>
10:30-10:45	TS13.03	Nutrition and physical activity policy environments in five European countries: lessons from the CO-CREATE project	<i>I Vlad (UK)</i>
10:45-11:00	TS13.04	Exploring the application of computational system dynamics models to support community-based whole-of-system approaches to childhood obesity	<i>L Crielaard (Netherlands)</i>
11:00-11:30		COFFEE BREAK/COMMERCIAL EXHIBITION	EXHIBITION HALL

7 MAY 2022, **SATURDAY**

11:30-13:00		TOPIC AND ABSTRACT SESSIONS	
11:30-13:00	TS16	Topic Session: The multipotentiality of adipose tissue Chairs: Jorn Sagen (Norway), Patrick Rensen (Netherlands)	ROOM: AUDITORIUM 1
11:30-12:00	TS16.01	The gut-brown fat-bran axis in the control of food intake	<i>M Klingenspor (Germany)</i>
12:00-12:30	TS16.02	The impact of lipolysis on adipose tissue thermogenesis in humans	<i>D Blondin (Canada)</i>
12:30-12:45	TS16.03	Systemic and abdominal subcutaneous adipose tissue immune cells are associated with liver but not with muscle insulin resistance in people with overweight and obesity	<i>I Trouwborst (Netherlands)</i>
12:45-13:00	TS16.04	The adipose stromal/stem cells in the context of the adiponiche in patients with obesity and metabolic complications before and after weight loss	<i>G Milan (Italy)</i>
11:30-13:00	AS5	Accepted Symposium: State influences on neural responses to food in overweight and eating disorders Chair: Anne Roefs (Netherlands)	ROOM: 0.4
11:30-11:50	AS5.01	Effects of mindset / appraisal on (brain) response to food	<i>A Horstmann (Finland)</i>
11:50-12:10	AS5.02	State influences on neural responses to food in overweight and eating disorders: an EEG study with individuals with anorexia nervosa and bulimia nervosa	<i>K Eichin (Austria)</i>
12:10-12:30	AS5.03	Effects of mindset on hormonal responding, neural representations, subjective experience and intake	<i>S Franssen (Netherlands)</i>
12:30-12:50	AS5.04	Mindset matters: attentional focus - not body-weight - determines the level of food-related brain activity	<i>L Pimpini (Netherlands)</i>
12:50-13:00		Panel Discussion	<i>A Roefs (Netherlands)</i>
11:30-13:00	AD13	T3 Abstract Session: Treatment and Management of Obesity in Children and Adolescents Chairs: Anita Vreugdenhil (Netherlands), Jens-Christian Holm (Denmark), Paulina Nowicka (Sweden)	ROOM: 0.10
11:30-11:45	AD13.04	Comparison of a multidisciplinary lifestyle intervention between children and adolescents with severe obesity	<i>K v d Pas (Netherlands)</i>
11:45-12:00	AD13.01	High success rates of a telemedicine-based intensive treatment program for children with obesity	<i>G D Raz (Israel)</i>
12:00-12:15	AD13.02	Determinants of dropout and compliance of children participating in a multidisciplinary intervention programme for overweight and obesity in socially deprived areas in the Netherlands	<i>H Hassan (Netherlands)</i>
12:15-12:30	AD13.03	Age of onset of obesity and childhood BMI trajectories in rare genetic obesity disorders	<i>O Abawi (Netherlands)</i>
12:30-12:45	AD13.05	Neonatal Anthropometrics and Obesity Treatment Response in Children and Adolescents	<i>L A Holm (Denmark)</i>
12:45-13:00	AD13.06	A systematic review of clinical practice guidelines for the management of childhood obesity	<i>L Tully (Ireland)</i>

7 MAY 2022, **SATURDAY**

11:30-13:00	AS6	Accepted Symposium: SWEET ZOOM. The role of sweeteners for obesity, health, safety, and sustainability	ROOM: 0.11
		Chairs: Anne Raben (Denmark), Ellen Blaak (Netherlands)	
11:30-11:40	AS6.01	A SWEET start. Project overview and status on the long-term clinical trial	<i>A Raben (Denmark)</i>
11:40-11:50	AS6.02	Development of Sugar Reduced Foods using Sweeteners and Sweetness Enhancers for use in Human Clinical Trials and Accompanying Health Impact and Technological Databases - the SWEET project.	<i>C Scott (Belgium)</i>
11:50-12:00	AS6.03	Impact on food intake, metabolism and gastro-intestinal symptoms after acute consumption of beverages containing plant-based or alternative sweeteners. Results of the SWEET Beverages trial.	<i>E A Roig (Spain)</i>
12:00-12:10	AS6.04	Free sugar intake and guideline adherence by British children from the Gemini cohort and the National Diet and Nutrition Survey: the SWEET project (WP4)	<i>L Heggie (UK)</i>
12:10-12:20	AS6.05	SWEET sustainability ¹ - early insights on the Life Cycle Sustainability Assessment (LCSA) of sweeteners	<i>J Suckling (UK)</i>
12:20-12:30	AS6.06	Identification of risk and benefit communication of sweeteners and sweetness enhancers (S&SEs) in the UK and Spanish media - the SWEET project	<i>M Raats (UK)</i>
12:30-13:00		Panel Discussion	
13:00-14:00	PL9	Closing Plenary Lecture: Multidisciplinary Plenary	ROOM: AUDITORIUM 1
		Chairs: Jean-Marc Chevallier (France), Jason Halford (UK)	
13:00-13:25	PL9.01	Energy expenditure and body composition through the life course; Lessons from doubly labelled water	<i>K Westerterp (Netherlands)</i>
13:25-13:50	PL9.02	Obesity, NAFLD and Surgery	<i>F Pattou (France)</i>
13:50-14:00		Discussion	
14:00-14:30		CLOSING REMARKS	ROOM: AUDITORIUM 1

PLENARY LECTURE

PLENARY LECTURE

PL1	Towards Personalized Interventions: Balancing Genetics and Environmental Factors <i>Ruth J.f. Loos</i>
PL2.01	Co-creating interventions together with youth to improve their energy balance behaviours <i>Mai Chin A Paw</i>
PL2.02	Digital Technology Approaches to Prevention and Treatment of Obesity <i>Rik Crutzen</i>
PL3	A year of advances in child and adolescent obesity <i>Louise Alison Baur</i>
PL4	Adipocyte senescence in human white adipose tissue <i>Kirsty Lee Spalding</i>
PL5.01	Clinical Impact of the Concept of Obesity as an ABCD <i>Jeffrey I Mechanick</i>
PL5.02	What's new in the Canadian Clinical Practice Guidelines <i>Arya Mitra Sharma</i>
PL5.04	Guidelines for Perioperative Care in Bariatric Surgery: ERAS Society Recommendations: A 2021 Update <i>Erik Stenberg, Luiz Fernando Dos Reis Falcão, Mary O' Kane, Ronald Liem, Dimitri Pournaras, Paulina Salminen, Richard Urman, Anupama Wadhwa, Ulf Gustafsson, Anders Thorell</i>
PL5.08	Guideline development: what else do we need? <i>Luca Busetto</i>
PL6	How far are we from treating obesity to target? State-of-the-art of antiobesity medications <i>John Wilding</i>
PL7.02	Impact of obesity in adolescents on fertility <i>Rebecca M Reynolds</i>
PL8.01	Front of Pack labeling of foods <i>Jacob C. Seidell</i>
PL8.03	Healthier food decisions through a mandatory EU-wide front-of-pack nutrition labelling scheme <i>Nikhil Gokani</i>
PL8.04	Nutri-Score: an evidence-based front-of-pack nutrition labeling <i>Chantal Julia</i>
PL9.01	Energy expenditure and body composition through the life course; Lessons from doubly labelled water <i>Klaas B. Westerterp</i>

TOPIC SESSION

TOPIC SESSION

TS01.01	Anti-obesity medications and bariatric surgery <i>Alex Miras</i>
TS01.02	Marked weight loss and reduction in appetite with semaglutide 2.4mg weekly subcutaneous injection in a person with monogenic obesity secondary to a MC4R gene mutation <i>Janine Makaronidis, Cormac Magee, Nyaladzi Balogun, Jessica Mok, Helen Kingett, Amy Kirk, Adrian Brown, Rachel Batterham</i>
TS01.03	Effect of liraglutide 3mg on bodyweight in people with poor weight loss and suboptimal glucagon-like peptide-1 response after metabolic surgery: a randomised double-blind, placebo-controlled trial <i>Rachel Batterham, Jessica Mok, Janine Makaronidis, Cormac Magee, Adrian Brown, Chloe Firman, Christwishes Makahamadze, Parastou Marvasti, Mariam Adeleke, Chetan Parmar, Alisia Carnemolla, Kalpana Devalia, Mohamed Elkalaawy, Andrew Jenkinson, Marco Adamo, Rumana Omar</i>
TS02.01	Do neighbourhood food environments matter? <i>Lukar E. Thornton</i>
TS02.03	Mapping primary school food systems to enable development of sustainable and feasible system-wide improvements to food provision: The CONNECTS-Food system map <i>Maria Bryant, Wendy Burton, Niamh Okane, Sara Ahern, Suzanne Spence, Tim Baker, Charlotte Evans, Amir Sharif, Harry Rutter, Jayne Woodside</i>
TS02.04	Strength of European level policies and priority recommendations to create healthy food environments to prevent obesity and diet-related non-communicable diseases <i>Sanne K Djojoseparto, Carlijn Bm Kamphuis, Stefanie Vandevijvere, Celine Murrin, Isobel Stanley, Piotr Romaniuk, Janas M Harrington, Maartje P Poelman</i>
TS03.02	Ages 2 to 7 years as a window of opportunity <i>Thomas Westergren</i>
TS03.03	Early detection of childhood overweight and related complications in a Danish population-based cohort aged 2-8 years <i>Christine Frithioff Bøjsøe, Morten Asp Vonsild Lund, Ulrik Lausten Thomsen, Cilius Esmann Fonvig, Ida Olivia Juhl Langkjær, Tina Hansen, Torben Hansen, Jennifer Lyn Baker, Jens Christian Holm</i>
TS03.04	Parental views on the acceptability and feasibility of measurement tools used to assess movement behaviours of pre-school children: a qualitative study <i>Sophie Michelle Phillips, Carolyn Summerbell, Kathryn Hesketh, Sonia Saxena, Frances Hillier Brown</i>
TS04.01	The molecular circadian clock and tissue-specific responses to exercise <i>Brenda Pena Carrillo, Rashmi Siva Sengh, Emily Cope, Sam Philip, Frank Thies, Nimesh Mody, Mirela Delibegovic, Dimitra Blana, Brendan M Gabriel</i>
TS04.02	Chrononutrition to combat obesity-related complications <i>Courtney M Peterson</i>
TS04.03	Run for your live(r): Exercise training at different times of day differentially modulates hepatic inflammation in early NAFLD <i>Artemiy Kovynov, Zhixiong Ying, Joost Lambouij, Amanda Pronk, Trea Streefland, Bruno Guigas, Patrick C.N. Rensen, Milena Schönke</i>
TS04.04	Effects of sleep manipulation on markers of insulin sensitivity: a systematic review and meta-analysis of randomized controlled trials <i>Nina Sondrup, Anne Ditte Termanssen, Jane Nygaard Eriksen, Mads Fiil Hjorth, Kristine Færch, Lars Klingenberg, Jonas Salling Quist</i>
TS05.01	The Gut microbiota in Obesity: impact on peripheral metabolism <i>Nathalie M Delzenne</i>
TS05.02	Gut-Brain Communication in the Integrated Control of Energy and Glucose Homeostasis <i>Gary J Schwartz</i>
TS05.03	Gut microbiome profiling in tissue-specific insulin resistance: A cross-sectional analysis of the PERSON study <i>Kelly M. Jardon, Alexander Umanets, Koen Venema, Anouk Gijbels, Inez Trouwborst, Gabby B. Hul, Lydia A. Afman, Gijs H. Goossens, Ellen E. Blaak</i>

TOPIC SESSION

TS05.04	The striatal response to intra-gastric infusion of glucose and lipid is severely impaired in humans with obesity and is not reversed by diet-induced weight loss <i>Katy A. Van Galen, Anouk G. Schrantee, Kasper W. Ter Horst, R. Todd Constable, Gary J. Schwartz, Susanne E. La Fleur, Jan Booij, Ralph J. Dileone, Mireille J. Serlie</i>
TS06.01	Diagnostic criteria for sarcopenic obesity <i>Lorenzo M. Donini</i>
TS06.02	Obesity Management in Older Adults - What treatment and for what outcome <i>Rocco Barazzoni</i>
TS06.03	Body Mass Index and Weight Reductions in Patients With Obesity Due to Heterozygous Variants in POMC, PCSK1, and LEPR After 1 Year of Setmelanotide <i>Sadaf Farooqi, Jennifer Miller, Christopher Still, Cecilia Scimia, Olga Ohayan, Guojun Yuan, Marianne M. Yohn, Jesús Argente</i>
TS06.04	Metformin in the management of antipsychotic-induced weight gain in adults with psychosis: Development of the first evidence-based guideline using GRADE methodology <i>Ita Fitzgerald, Dolores Keating, Jean O'connell, Caroline Hynes, Stephen Mcwilliams, Erin K Crowley</i>
TS07.01	embedding social determinants in the treatment of children with obesity: the Dutch approach <i>Edgar Van Mil</i>
TS07.02	Medical Options for Treatment: GLP-1 Receptor Agonists <i>Aaron S. Kelly</i>
TS07.03	Metabolic and Bariatric Surgery as Treatment of Adolescents with Severe Obesity <i>Torsten Olbers</i>
TS08.01	"The potential benefits of low carb diets " <i>Mariela Glandt</i>
TS08.02	The Potential Benefit of Intermittent Fasting <i>Eric Ravussin</i>
TS08.03	Volatile organic compounds (VOC) as a marker of poor-quality diets: a pilot study in UK adults <i>Saskia L. Wilson Barnes, Lazaros Gymnopoulos, Vassilis Solachidis, Kosmas Dimitropoulos, Notis Argiriou, Konstantinos Rouskas, Dorothea Tsatsou, Riccardo Leoni, Duncan Russell, Jelizaveta Konstantinova, Elena Lalama, Andreas Pfeiffer, Maria Hassapidou, Ion Pagkalos, Elena Patra, Roselien Buys, Veronique Cornelissen, Elise Decorte, Sofia Balua Dias, Ana Batista, Eugenio Mantovani, Milena Jaksic, Boris Brkic, Susan A Lanham-New, Kathryn Hart</i>
TS08.04	A double-blinded, randomized, parallel, intervention study to investigate biomarker-based nutrition plans for weight loss in Danish Adults: The Empowering consumers to PREVENT diet-related diseases through OMICS sciences (PREVENTOMICS) study <i>Mona A. Aldubayan, Kristina Pigsborg, Sophia M. O. Gormsen, Francisca Serra, Mariona Palou, Pedro Mena, Mart Wetzels, Alberto Calleja, Antoni Caimari, Josep M Del Bas, Biotza Gutierrez, Faidon Magkos, Mads F. Hjorth</i>
TS09.01	How schools can contribute to preventing obesity and promoting healthy lifestyles <i>Goof Buijs</i>
TS09.02	Health Promoting Hospitals: program, principles, prospects <i>Nanne De Vries</i>
TS09.03	"Fruit Heroes® – Healthy School Snack": Results from a school-based intervention targeting the promotion of fruit consumption <i>Raquel Martins, Mónica Fialho, Carolina Capitão, João Fernandes, Patrícia Freitas, Mário Silva, Ana Virgolino, Osvaldo Santos</i>
TS09.04	'Turning the Tide' – development of an independent long-term healthy weight strategy for the UK <i>Caroline Cerny, Lauren Carters White, Linda Bauld</i>
TS10.01	The biological underpinnings of body fat distribution <i>Fredrik Karpe</i>
TS10.02	Sex-differences in metabolic pathophysiology <i>Franck Mauvais-Jarvis</i>

TOPIC SESSION

TS10.03	Age and sex influence body composition and cardiometabolic benefits of a 3-year lifestyle intervention – data from the PREVIEW study <i>Ruixin Zhu, Ionut Craciun, Jan Bernhards Werge, Elli Jallo, Sally Poppitt, Marta Silvestre, Maija Huttunen Lenz, Melitta A McNary, Gareth Stratton, Svetoslav Handjiev, Teodora Handjieva Darlenska, Santiago Navas Carretero, Jouko Sundvall, Tanja C Adam, Mathijs Drummen, Elizabeth J Simpson, Ian A Macdonald, Jennie Brand Miller, Roslyn Muirhead, Tony Lam, Pia S Vestentoft, Kristine Færch, J. Alfredo Martinez, Mikael Fogelholm, Anne Raben</i>
TS10.04	Chronotype and Gender: what does it occur in obesity? <i>Giulia De Alteriis, Claudia Vetrani, Luigi Barrea, Annamaria Docimo, Ludovica Verde, Annamaria Colao, Silvia Savastano, Giovanna Muscogiuri</i>
TS12.01	Systems based approaches to obesity prevention: The Amsterdam Healthy Weight Approach and LIKE programme <i>Wilma Waterlander, Karien Stronks, Karen Den Hertog, Arnoud Verhoeff</i>
TS12.02	Systems Based Approaches to Obesity Prevention: City-Based Case Studies - Cork Healthy Cities - building alliances to influence health <i>Denise Cahill</i>
TS12.03	Whole Systems Approaches to Healthy Weight and Diet across eight local authorities in Scotland: key learning <i>Niamh Smith, Lorraine Tulloch, Yvonne Traynor, Craig Hewitt, Laura Wilson</i>
TS12.04	The promise of natural experiments and triangulation of evidence: lessons from the evaluation of school-based obesity prevention program Lekker Fit! <i>Famke J. M. Mölenberg, Frank J. Van Lenthe, Wilma Jansen</i>
TS13.01	Abstract EASO Congres Obesity_Van Schayck <i>Onno Van Schayck</i>
TS13.02	Towards safe digital environments for children <i>Emma Boyland</i>
TS13.03	Nutrition and physical activity policy environments in five European countries: lessons from the CO-CREATE project <i>Ioana Vlad, Margarita Kokkorou, Kate Oldridge – Turner, Arnfinn Helleve, Anne – Siri Fismen, Jonas Rekdal Mathisen, Janetta Harbron, Gaironeesa Hendricks, Knut – Inge Klepp, Kate Allen</i>
TS13.04	Exploring the application of computational system dynamics models to support community-based whole-of-system approaches to childhood obesity <i>Loes Crielaard, Andrew Dwight Brown, Mary Nicolaou, Joshua Hayward, Karien Stronks, Steven Allender</i>
TS14.01	Whole Grains, Gut Microbiota and Health- Time to Get Personal? <i>Kia Nøhr Iversen, Rikard Landberg</i>
TS14.02	Dietary fats and cardiovascular disease – Dispelling the myths <i>Julie A Lovegrove</i>
TS14.03	Elective, non-bariatric surgery in adult patients with obesity: can preoperative dietary interventions improve surgical outcomes? <i>Sally Griffin, Michelle Palmer, Esben Strodl, Rainbow Lai, Matthew Burstow, Lynda Ross</i>
TS15.01	Role of the physical environment as a determinant of obesity <i>Nicole R Den Braver</i>
TS15.02	The development of the Physical Activity Environment Policy Index (PA-EPI): a tool for monitoring and benchmarking government policies and actions to improve physical activity <i>Catherine B. Woods, Liam Kelly, Kevin Volf, Peter Gelius, Sven Messing, Sarah Forberger, Jeroen Lakerveld, Nicolette R. den Braver, Joanna Zukowska, Boyd Swinburn, Enrique Garcia Bengoechea</i>
TS15.03	Domain of physical activity matters for risk of type 2 diabetes <i>Jeroen HPM van der Velde, Esther Winters-van Eekelen, Frits R Rosendaal, Renée De Mutsert</i>
TS15.04	The Impact of COVID-19 on Eating and Physical Activity Behaviors and Body Weight: International Weight Control Registry <i>Tsz Kiu Chui, R. Drew Sayer, Swati DebRoy, Ann E. Caldwell, John C. Peters, James Friedman, Jennifer L. Oslund, Sai Krupa Das, Susan B. Roberts, James O. Hill</i>



TOPIC SESSION

- TS16.01** **The gut-brown fat-brain axis in the control of food intake**
Martin Klingenspor
- TS16.02** **The impact of lipolysis on adipose tissue thermogenesis in humans.**
Denis P Blondin
- TS16.03** **Systemic and abdominal subcutaneous adipose tissue immune cells are associated with liver but not with muscle insulin resistance in people with overweight and obesity**
Inez Trouwborst, Kristiaan Wouters, Johan Jocken, Kelly M. Jardon, Ellen E. Blaak, Gijs H. Goossens
- TS16.04** **The adipose stromal/stem cells in the context of the adiponiche in patients with obesity and metabolic complications before and after weight loss**
Gabriella Milan, Francesca Favaretto, Chiara Compagnin, Scilla Conci, Marta Sanna, Anna Belligoli, Roberto Fabris, Chiara Dal Prà, Silvia Bettini, Mirto Foletto, Luca Prevedello, Chiara Da Re, Claudia Mescoli, Vincenzo Vindigni, Luca Busetto, Roberto Vettor

ACCEPTED SYMPOSIUM

ACCEPTED SYMPOSIUM

AS1	Meaningful youth engagement – building healthier food and physical activity environments for current and future generations: a symposium of the CO-CREATE project <i>Knut Inge Klepp, Maja Stensdal, Natalie Savona, Christian Broer, Samantha Nesrallah</i>
AS2	The mapping and targeting of non-normative eating behaviours perpetuating obesity <i>Jennifer Svaldi, Anja Hilbert, Lotte Lemmens, Anita Jansen</i>
AS3.01	An app-based parenting program (Samen Happie!) to promote healthy energy-balanced related parenting practices in early childhood: Process, effectiveness, and lessons learned <i>Levie Karssen, Junilla Larsen, Jacqueline Vink, William Burk, Stef Kremers, Carolina De Weerth</i>
AS3.02	Increasing parental involvement in SuperFIT to promote healthy energy balance-related behaviours in young children <i>Lisa SE Harms, Sanne MPL Gerards, Kathelijne MHH Bessems, Jessica S Gubbels</i>
AS3.03	Move ARound and Get Active: co-creating an intervention to optimize 24-hour movement behaviours in pre-schoolers with overweight <i>Marga Decraene, Marieke De Craemer, Vera Verbestel</i>
AS3.04	Familie+ real-word implementation of a school-and-family based obesity prevention program in primary schools in Germany <i>Alexandra Ziegeldorf, Friederike Butscher, Christina Niermann</i>
AS4	The PhenFlex drink: a mixed-meal challenge test as a new standardized method to quantify health and intervention effects. <i>Suzan Wopereis, Michael Muller, Ellen Blaak, Inge Tetens</i>
AS5.01	Effects of (re)-appraisal on brain responses to food <i>Annette Horstmann</i>
AS5.02	State influences on neural responses to food in overweight and eating disorders: an EEG study with individuals with anorexia nervosa and bulimia nervosa <i>Katharina Eichin, Claudio Georgii, Rebekka Schnepfer, Jens Blechert</i>
AS5.03	Effects of mindset on hormonal responding, neural representations, subjective experience and intake <i>Sieske Franssen, Anita Jansen, Job Van Den Hurk, Tanja Adam, Kelly Geyskens, Alard Roebroek, Anne Roefs</i>
AS5.04	Mindset matters: attentional focus – not body-weight – determines the level of food-related brain activity <i>Leonardo Pimpini, Sarah Kochs, Sieske Franssen, Job Van Den Hurk, Anita Jansen, Alard Roebroek, Anne Roefs</i>
AS6.01	A SWEET start. Project overview and status on the long-term clinical trial <i>Anne Raben, Joanne Harrold, Louise Kjølbaek, J Alfredo Martinez, Santiago Navas Carretero, Ellen Blaak, Bosscher Douwina, Edith Feskens, Richard Murphy, Charo E Hodgkins, Sharron Kuznesof, George Nychas, Yannis Manios, Jason CG Halford</i>
AS6.02	Development of Sugar Reduced Foods using Sweeteners and Sweetness Enhancers for use in Human Clinical Trials and Accompanying Health Impact and Technological Databases – the SWEET project <i>Corey E Scott, Douwina Bosscher, Alain Le Bail, Mathilde Roze, Guenaelle Diler, Cecile Rannou, Abel Crespo, Ascension Ciruelos, Nicolas Metzger, Claire Meunier, Loic Briand, Christine Belloir, Mathilde Jeannin, Charo E Hodgkins, Lada Timotijevic, Monique M Raats, Anne Raben, Joanne Harrold, Jason C G Halford</i>
AS6.03	Impact on food intake, metabolism and gastro-intestinal symptoms after acute consumption of beverages containing plant-based or alternative sweeteners. Results of the SWEET Beverages trial <i>Eva Almirón-Roig, Santiago Navas Carretero, Gabriele Castelnovo, Niamh Maloney, Charlotte A Hardman, Louise Kjølbaek, Mie Normand, Charo E Hodgkins, Tony Lam, Hariklia Moshoyiannis, Graham Finlayson, Corey E Scott, Monique M Raats, Anne Raben, Joanne A Harrold, Jason C G Halford, J Alfredo Martinez</i>
AS6.04	Free sugar intake and guideline adherence by British children from the Gemini cohort and the National Diet and Nutrition Survey: the SWEET project <i>Lisa Heggie, Rana Conway, Alison Fildes, Andrea Smith, Edith Feskens, Jason C. G. Halford, Joanne Harrold, Anne Raben, Clare Llewellyn</i>
AS6.05	'SWEET sustainability' - early insights on the Life Cycle Sustainability Assessment (LCSA) of sweeteners <i>James Suckling, Stephen Morse, Richard Murphy, Elena Koukouna, Jasper Scholten, Sian Astley, Mark Roe, Corey Scott, Alain Le Bail, Joel Perret, Christos Stamatis, Anne Raben, Jo Harrold, Jason Halford</i>
AS6.06	Identification of risk and benefit communication of sweeteners and sweetness enhancers in the UK and Spanish media – the SWEET project <i>Charo E Hodgkins, Monique M Raats, Lada Timotijevic, Santiago Navas Carretero, J Alfredo Martinez, Sharron Kuznesof, Anne Raben, Joanne Harrold, Jason C G Halford</i>

ABSTRACT SESSION

ABSTRACT SESSION

- AD01.01** **Exploring patients' lived experiences with bariatric surgery stigma**
Franshelis K. Garcia, Elisa Koops, Suzanne Klaasen, Bob C. Mulder, Eric J. Hazebroek, Maria A. Koelen, Kirsten T. Verkooijen
- AD01.02** **Mental health, food insecurity, loneliness, and health-related behaviours; the continued impact of the COVID-19 pandemic on UK adults living with obesity**
Adrian Brown, Stuart W Flint, Samuel J Dicken, Anastasia Z Kalea, Mary O'Kane, Simon Williams, Erika Wong En Hui, Rachel L Batterham
- AD01.03** **Association between anxiety and eating behaviors in patients with obesity**
Lizeth Cifuentes, Alejandro Campos, Maria Laura Ricardo Silgado, Sydney Kelpin, Jessica Stutzman, Maria Daniela Hurtado, Karen Grothe, Donald D Hensrud, Matthew M Clark, Andres Acosta
- AD01.04** **The OBESTIGMA study: an assessment of obesity discrimination and weight bias in Spain**
Albert Lecube, Andreea Ciudin, Ana Sánchez, Sonsoles Gutiérrez, Nuria Valdés, Lilliam Flores, Amelia Mari Sanchis, Fernando Goñi, Marta Sánchez, Joana Nicolau, Concepción Muñoz, Olaia Diaz, Guillem Cuatrecasas, Silvia Cañizares, Enzamaría Fidalgo, Carolina López Cano, Enric Sánchez
- AD01.05** **Perceived weight-related stigma, loneliness, and mental wellbeing during COVID-19 in people with obesity: A cross-sectional study from ten European countries**
Rebecca A Jones, Paul Christiansen, Niamh G Maloney, Jay J Duckworth, Siobhan Hugh Jones, Amy L Ahern, Rebecca Richards, Adrian Brown, Stuart Flint, Eric Robinson, Sheree Bryant, Jason Cg Halford, Charlotte Hardman
- AD01.06** **"Is it time to throw out the weighing scales?" Implicit weight bias among healthcare professionals working in UK bariatric services and their attitude towards non-weight focused approaches**
Sally Abbott, Emma Shuttlewood, Helen Parretti, Paul Chesworth, Stuart Flint
- AD02.01** **Increased plasma and lingual uroguanylin contributes to changes in food preference after sleeve gastrectomy**
Amaja Rodríguez, Sara Becerril, Marina Martín, Beatriz Ramírez, Víctor Valentí, Rafael Moncada, Victoria Catalán, Javier Gómez Ambrosi, Camilo Silva, María A. Burrell, Javier Escalada, Gema Frühbeck
- AD02.02** **Risk of Fractures and Osteoporosis following Roux-en Y gastric bypass and Sleeve gastrectomy: A Danish population-based Cohort Study**
Lotte Assing Winkelmann, Sigrid Bjerge Gribsholt, Lene Ring Madsen, Bjørn Richelsen
- AD02.03** **Pancreatic uptake of radiolabeled exendin-4 as measure for beta cell mass in patients with obesity and type 2 diabetes undergoing gastric bypass surgery**
Laura Deden, Marti Boss, Hans De Boer, Edo Aarts, Frits Berends, Eric Hazebroek, Maarten Brom, Martin Gotthardt
- AD02.04** **Lower Postprandial Hyperinsulinemic Hypoglycemia like Symptoms may help Identify Patients with Lower Post-Bariatric Late Dumping Syndrome: a Retrospective Observational Study**
Giovanni Rossini, Dario Tuccinardi, Massimiliano Ugoccioni, Lavinia Monte, Mikiko Watanabe, Paolo Pozzilli, Nicola Napoli, Silvia Manfrini
- AD02.05** **Usability of the myfood24 healthcare app in tier 3 weight management and gastroenterology surgery patients: a feasibility randomised controlled trial**
Janet Cade, Diane Threapleton, Sarah Beer, Lauren Gibson, Sarah Trevillion, Dermot Burke, Pete Wheatstone, Jacqui Gath, Darren Greenwood
- AD02.06** **The impact of bariatric surgery on intestinal microbiota in patients with severe obesity: 12 month follow-up**
Andreea Ciudin, Xingpeng Xiao, Enzamaría Fidalgo, Marta Comas, Ramon Vilallonga, Raul Herance
- AD03.01** **The effect of SGLT2 inhibitor dapagliflozin on substrate metabolism in humans with prediabetes**
Anna Veelen, Charlotte Andriessen, Yvo J. M. Op den Kamp, Edmundo Erazo Tapia, Marlies de Ligt, Johanna A. Jörgensen, Esther Moonen-Kornips, Gert Schaart, Bas Havekes, Vera B. Schrauwen-Hinderling, Esther Phielix, Patrick Schrauwen
- AD03.02** **G3PP /PGP: a novel calorie restriction mimetic enzyme that promotes healthy aging via the AMPK-TFEB-Autophagy axis**
Elite Possik, Ruyuan Zhu, Laurence Coté, Ying Bai, Laura Lee Klein, Anfal Al Mass, Alex Parker, Sr Murthy Madiraju, Marc Prentki
- AD03.03** **Quantifying metabolic resilience; getting the most out of your challenge test data**
Shauna O'Donovan, Ryan de Vries, Ilja Arts, Lydia Afman, Natal van Riel
- AD03.04** **The central and peripheral effects of dopamine D2 receptor agonist therapy in patients with type 2 diabetes**
Jamie van Son, Jan Booij, Max Nieuwdorp, Mireille J. Serlie

ABSTRACT SESSION

- AD03.05** South Asian overweight type 2 diabetes patients have higher circulating mRNA and protein levels involved in the interferon signaling pathway compared to Europids
Maaike E. Straat, Borja Martinez Tellez, Huub J. Van Eyk, Maurice B. Bizino, Suzanne Van Veen, Mariëlle Haks, Hildebrandus J. Lamb, Jan W.A. Smit, Ingrid M. Jazet, Patrick C.N. Rensen, Mariëtte R. Boon
- AD03.06** Assessment of the bi-directional relationship between blood mitochondrial DNA copy number and type 2 diabetes mellitus: a multivariable-adjusted Mendelian Randomization study
Wenyi Wang, Jiao Luo, Ko Willems Van Dijk, Sara Hägg, Felix Grassmann, Leen M. t Hart, Diana Van Heemst, Raymond Noordam
- AD04.01** Cardiovascular risk reduction independently associated with lifestyle changes beyond associations with obesity and insulin-resistance reduction during the 3-year PREVIEW lifestyle study
Margriet Westerterp Plantenga, Mathijs Drummen, Ian Macdonald, Elli Jalo, Thomas Meinert Larssen, Santiago Navas Carretero, Alfredo Martinez, Teodora Handjiev Darlenska, Jennie Brand Miller, Sally Poppitt, Gareth Stratton, Kirsi Pietiläinen, Moira Taylor, Svetoslav Handjiev, Roslyn Muirhead, Marta Sylvestre, Nils Swindell, Maija Huttunen Lenz, Wolfgang Schlicht, Tony Lam, Jouko Sundvall, Angelo Tremblay, Anne Raben, Marit Westerterp, Tanja Adam
- AD04.02** Monocyte alterations in individuals with obesity after a 75 week lifestyle intervention
Elaine Van Der Valk, Daniel Mulder, Tessa Kouwenhoven, Nicole Nagtzaam, Elisabeth Van Rossum, Willem Dik, Pieter Leenen
- AD04.03** Cardiopulmonary Exercise Test in Edmonton Obesity Staging System
Silvia Bettini, Giulia Quinto, Daniel Neunhaeuserer, Francesca Battista, Anna Belligoli, Gabriella Milan, Andrea Gasperetti, Luca Prevedello, Mirto Foletto, Roberto Vettor, Andrea Ermolao, Luca Busetto
- AD04.04** Effects of exercise, liraglutide, or both combined on glucose tolerance and β -cell function after diet-induced weight loss in adults with obesity: a randomised, placebo-controlled study
Simon Birk Kjær Jensen, Christian Rimer Juhl, Charlotte Janus, Julie Rehné Lundgren, Christoffer Martinussen, Christoffer Wiingaard, Cecilie Knudsen, Ruth Frikke Schmidt, Bente Merete Stallknecht, Jens Juul Holst, Sten Madsbad, Signe Sørensen Torekov
- AD04.05** Sarcopenic obesity in patients with severe obesity <60 years old: prevalence and diagnostic methods
Marta Comas, Fiorella Palmas, Enzamaría Fidilio, Irene Hernández, Efrain Cordero, Carina Espinet, Rosa Burgos, Andreea Ciudin
- AD04.06** Validation of ultrasound to measure lean mass in a population with obesity: a prospective cross-sectional study
Dionne Sizoo, Lise Beumeler, Marloes Emous, Loek De Heide, Tim Van Zutphen, André Van Beek
- AD05.01** NAFLD activity score correlates with waist circumference and circulating amino acids in patients living with severe obesity
Ina Maltais Payette, Simon Marceau, Laurent Biertho, Christian Couture, Stéphane Lebel, Francis Brière, Jacques Corbeil, André Tchernof
- AD05.02** Selective inhibition of DHCR24 ameliorates hepatic steatosis and inflammation through LXRs without inducing hyperlipidemia
Patrick Rensen, Enchen Zhou, Hiroyuki Nakashima, Rumei Li, Hendrik Van Der Zande, Cong Liu, Zhuang Li, Christoph Mueller, Franz Bracher, Yassene Mohammed, Jan Freark De Boer, Folkert Kuipers, Bruno Guigas, Martin Giera, Yanan Wang
- AD05.03** Impact of impaired glucose regulation on hepatic and systemic inflammation in men with non-alcoholic fatty liver disease
Sundus Malaikah, Scott A Willis, Stephen Bawden, Aron P Sherry, Jack A Sargeant, Nicole Coull, David J Stensel, Thomas Yates, Melanie J Davies, David R Webb, Penny Gowland, Guruprasad P Aithal, James A King
- AD05.04** The effect of weight-loss on whole-body and tissue-specific insulin sensitivity and intrahepatic lipid content and composition – a SWEET sub-study
Michelle D. Pang, Jacco J.a.j Bastings, Yvonne M.h Bruls, Joanne A. Harrold, Anne Raben, Jason C.g. Halford, Tanja C.m. Adam, Vera B. Schrauwen Hinderling, Gijs H. Goossens, Ellen E. Blaak
- AD05.05** Effect of a low compared to a high glycemic index and saturated fat diet on liver fat and substrate metabolism
Jeremy M. Basset Sagaminaga, Kay H.M. Roumans, Bas Havekes, Harry P.F. Peters, Peter L. Zock, Lucas Lindeboom, Patrick Schrauwen, Vera B. Schrauwen Hinderling
- AD06.01** Front of pack labels and objective understanding of product healthiness: Findings from an Online Randomised-Controlled Experiment in a Representative British Sample
Jessica Packer, Simon J Russell, Deborah Ridout, Steven Hope, Anne Conolly, Curtis Jessop, Russell M Viner, Helen Croker

ABSTRACT SESSION

- AD06.02** **Effectiveness and Policy Determinants of Sugar-Sweetened Beverage Taxes**
Luc L. Hagenaars, Patrick P.t. Jeurissen, Nicolaas S. Klazinga, S. Listl, M. Jevdjevic
- AD06.03** **Portion size estimation in dietary assessment: a systematic review of existing tools, limits and strengths**
Oscar Manuel Torres
- AD06.04** **Joint association of alcohol consumption and adiposity with alcohol and obesity-related cancer in a population sample of 399,575 UK adults**
Elif Inan Eroglu, Bo Huei Huang, Peter Sarich, Natasha Nassar, Emmanuel Stamatakis
- AD06.05** **Mediterranean diet is inversely associated to fatty liver index in patients with obesity and low HDL-cholesterol**
Alessandro Leone, Ramona De Amicis, Andrea Foppiani, Alberto Battezzati, Giorgio Bedogni, Simona Bertoli
- AD06.06** **Development of a stand-alone diet quality index for elementary school-aged children**
Ella Koivunieni, Outi Nuutinen, Markus Riskumäki, Tero Vahlberg, Kirsi Laitinen
- AD07.01** **Anthropometrics and neurodevelopment of children at 2 and 3 years of age following a pregnancy lifestyle intervention in routine care – secondary findings from the GELiS trial**
Monika Spies, Kristina Geyer, Roxana Raab, Stephanie Brandt, Dorothy Meyer, Julia Günther, Julia Hoffmann, Hans Hauner
- AD07.02** **Lipidomic profile in mid and late pregnancy and in cord blood is associated with early ascending growth of offspring**
Emilia Huvinen, Rubina Tabassum, Anna Kaisa Tuomaala, Elna Blanco Sequeiros, Paula H Bergman, Saila B Koivusalo
- AD07.03** **Epigenetic signatures of rapid weight growth**
Rossella Alfano, Daniela Zugna, Oliver Robinson, Henrique Barros, Leda Chatzi, Akram Ghantous, Zdenko Herceg, Tim Steve Nawrot, Caroline Relton, Martine Vrijheid, Paolo Vineis, Lorenzo Richiardi, Michelle Plusquin
- AD07.04** **A review of results from the HOLBAEK Study**
Maria Martens Fraulund, Cilius Esmann Fonvig, Alberte Laura Oest Müllertz, Amanda Ørsted Holm Nielsen, Louise Aas Holm, Christine Frithioff Bøjsøe, Jennifer Lyn Baker, Thorkild I A Sørensen, Michael Christiansen, Torben Hansen, Jens Christian Holm
- AD07.05** **FADS cluster variants are associated with insulin sensitivity in children and adolescents with obesity**
Alice Maguolo, Chiara Zusi, Massimiliano Corradi, Anita Morandi, Silvia Costantini, Federica Emiliani, Claudio Maffei
- AD07.06** **Childhood weight status and rates of adult-onset chronic kidney disease**
Julie Aarestrup, Kim Blond, Dorte Vistisen, Marit E Jørgensen, Marie Fridmodt-Møller, Britt W Jensen, Jennifer L Baker
- AD08.01** **Two-year effect of semaglutide 2.4 mg on control of eating in adults with overweight/obesity: STEP 5**
Rachel L Batterham, Sean Wharton, Meena Bhatta, Silvio Buscemi, Louise N Christensen, Juan P Frias, Esteban Jódar, Kristian Kandler, Georgia Rigas, Thomas A Wadden, W Timothy Garvey
- AD08.02** **A novel successful therapeutic option after a journey of treatment failures in a patient with heterozygous melanocortin-4 receptor deficiency**
Mila S Welling, Mostafa M Mohseni, Elisabeth F C Van Rossum
- AD08.03** **Effect of oral erythritol on subsequent energy intake during an ad libitum test meal**
Fabienne Teyssie, Emilie Flad, Valentine Bordier, Jens F. Rehfeld, Lukas Van Udenhove, Carel Le Roux, Christoph Beglinger, Bettina K. Wölnerhanssen, Anne Christin Meyer Gerspach
- AD08.04** **Semaglutide 2.4 mg and 1.0 mg improved albuminuria in adults with overweight/obesity and type 2 diabetes in STEP 2**
Hiddo J.L Heerspink, Ellen Apperloo, Melanie Davies, Dror Dicker, Kristian Kandler, Julio Rosenstock, Rasmus Sørrig, Niels Zeuthen, David Cherney
- AD08.05** **Weight loss outcomes with semaglutide 2.4 mg in moderate or severe obesity in STEP 1 and 2**
Carel W le Roux, Ali Aminian, Rachel L Batterham, Dan Hesse, Camilla Jensen, Barbara M McGowan, Arash Pakseresh, Georgia Rigas, Francesco Rubino, Shahrad Taheri, John Morton
- AD08.06** **Comparison of the efficacy of Transcranial Magnetic Stimulation and GLP-1 Receptor Agonists on weight loss in individuals with Obesity and Type 2 Diabetes: results of a retrospective comparative study**
Anna Ferrulli, Paolo Perilli, Stefano Massarini, Concetta Macri, Ileana Terruzzi, Pamela Senesi, Livio Luzi
- AD09.01** **Promoting vegetable acceptance in toddlers using a contingency management program: a cluster randomised trial**
Britt van Belkom, Aleksandr Umanet, Edgar van Mil, Remco Havermans

ABSTRACT SESSION

- AD09.02** **The new normal? Changes in children's obesity-related behaviours between the first and second Covid-19 waves: A three-country qualitative study**
Paulina Nowicka, Anna Ek, Julia E Jurca Simina, Cristina Bouzas, Emma Argelich, Karin Nordin, Sílvia García, Joseph A Tur, Adela Chirita Emandi, Karin Eli
- AD09.03** **Associations between parental and child's physical activity and dietary intake: The role of parental involvement and child's sex**
Sara Kayabal, Helle Larsen, Roel Hermans, Carry Renders, Tanja Vrijkotte
- AD09.04** **The majority of food & beverage cues promoted by German-speaking influencers on TikTok, Instagram, and YouTube are nutritionally poor and not disclosed as advertising**
Eva Winzer, Simeon Klein, Leah Lercher, Maria Wakolbinger
- AD09.05** **Association between sleep pattern during COVID-19 lockdown and body weight changes in adolescents**
Marcos Mayer, Fabrizio Catalani, Noelia Deltetto, Javier Fraire, Lucia Martin, Analisa Beneitez, José Luis Pall, Daniela Fischman, Florencia Peralta, Alicia Bibiana Orden
- AD09.06** **The association of cannabis use with fast-food consumption, overweight, and obesity among adolescents aged 12-15 years from 28 countries**
Eugenia Romano, Ruimin Ma, Davy Vancampfort, Lee Smith, Joseph Firth, Marco Solmi, Nicola Veronese, Brendon Stubbs, Ai Koyanagi
- AD10.01** **Psychological phenotypes in morbid obesity**
Ömür Aydin, Ulrika Boulund, Johanna Pyykkö, Abraham Meijnkman, Maurits De Brauw, Yair Acherman, Mariët Hagedoorn, Robbert Sanderman, Max Nieuwdorp, Albert Groen, Victor Gerdes
- AD10.02** **"Forever young at the table": slow eating at lunch and dinner to prevent dyslipidaemia in obesity**
Ludovica Verde, Luigi Barrea, Claudia Vetrani, Bruno Napolitano, Silvia Savastano, Annamaria Colao, Giovanna Muscogiuri
- AD10.03** **Lifestyle interventions for reducing gestational weight gain in women with overweight or obesity: an overview of systematic reviews**
Frankie Joy Fair, Hora Soltani
- AD10.04** **COVID-19: Lifestyle habits during the pandemic in Italy**
Yeganeh Manon Khazrai, Greta Lattanzi, Ivan Beato, Marco Frattasi, Laura De Gara, Silvia Manfrini, James O. Hill, Sai Krupa Das, Drew R. Sayer, Jennifer Oslund, Susan B. Roberts
- AD10.05** **Obesity management and prevention through the foundation of an innovative platform to support persons with obesity: STOP Portal, feasibility study**
Anne Moorhead, Huiru (Jane) Zheng, Louise Lynch, Luigi D'arco, Raymond Bond, Haiying Wang, Matthias Hemmje, Binh Vu
- AD10.06** **Motivators, barriers, and facilitators for weight loss and weight maintenance in the pre-conception period among Danish women with overweight and obesity, who plan to become pregnant**
Majken Lillholm Pico, Jens Aagaard Hansen, Christina Vinter, Louise Groth Grunnet, Karoline Kragelund Nielsen
- AD11.01** **Smartphone derived body composition and anthropometry for tracking weight loss**
Marc K. Smith, Jonathan M D Staynor, Amar El Sallam, Jay R Ebert, Tim R Ackland
- AD11.02** **Recruiting and engaging women of reproductive age with obesity: a mixed-methods Study Within A Trial (SWAT)**
Sarah Louise Killeen, David F. Byrne, Aisling A. Geraghty, Yelverton A. Cara, Van Sinderen Douwe, Cotter D. Paul, Murphy F. Eileen, O'reilly L. Sharleen, Mcauliffe M. Fionnuala
- AD11.03** **Lowering branched-chain amino acid levels in patients with type 2 diabetes by sodium-phenylbutyrate improves insulin sensitivity**
Froukje Vanweert, Michael Neinast, Edmundo E. Tapia, Tineke Van De Weijer, Joris Hoeks, Vera B. Schrauwen Hinderling, Megan C. Blair, Marc R. Bornstein, Matthijs K.c. Hesselink, Patrick Schrauwen, Zoltan Arany, Esther Phielix
- AD11.04** **Plasma levels of GDF15 increase in response to acute exercise in individuals with overweight or obesity but is unaffected by exercise training**
Jonas Salling Quist, Anders Bue Klein, Kristine Færch, Kristine Beaulieu, Mads Rosenkilde, Anne Sofie Gram, Anders Sjødin, Signe Torekov, Bente Stallknecht, Christoffer Clemmensen, Martin Bæk Blond
- AD11.05** **Two-year effect of semaglutide 2.4 mg vs placebo in adults with overweight or obesity: STEP 5**
Rachel L Batterham, W Timothy Garvey, Meena Bhatta, Silvio Buscemi, Louise N Christensen, Juan P Frias, Esteban Jódar, Kristian Kandler, Georgia Rigas, Thomas A Wadden, Sean Wharton

ABSTRACT SESSION

- AD11.06** **Long-term Psychological Stress is Associated with Lower FGF-21 Levels in Patients with Obesity**
Susanne Kuckuck, Robin Lengton, Eline S Van Der Valk, Anand M Iyer, Mostafa Mohseni, Sjoerd A A Van Den Berg, Elisabeth F C Van Rossum
- AD12.01** **Deleterious effect of high-fat diet on skeletal muscle performance is prevented by high-protein intake in adult rats but not in old rats**
Eleonora Poggiogalle, Fanny Rossignon, Aude Carayon, Frédéric Capel, Jean Paul Rigaudière, Sarah De Saint Vincent, Olivier Le Bacquer, Jérôme Salles, Christophe Giraudet, Véronique Patrac, Patrice Lebecque, Stéphane Walrand, Yves Boirie, Vincent Martin, Christelle Guillet
- AD12.02** **Dietary improvement during lactation normalizes the expression levels of miR-26a, miR-222 and miR-484 and some target genes in the mammary gland of obese rats at weaning**
Catalina Amadora Pomar, Pedro Castillo, Mariona Palou, Andreu Palou, Catalina Picó
- AD12.03** **Association of Microvascular Changes and Neuroretinal Thinning with Obesity in An Older Population in Southern Italy: a Machine Learning Approach**
Luisa Lampignano, Fabio Castellana, Alfredo Niro, Giancarlo Sborgia, Giovanni De Pergola, Rodolfo Sardone
- AD12.04** **Supplementation with Highly Esterified Pectin (HEP) as a reversal factor for cardiovascular risk associated with perinatal metabolic malprogramming**
Sebastià Galmés, Francisco García Carrizo, Catalina Picó, Andreu Palou, Rodríguez Ana María
- AD12.05** **Distinct associations of plasma methionine and cysteine with regional fat distribution: CODAM and The Maastricht study**
Elena C. Tore, Amany Elshorbagy, Frans C. H. Bakers, Martijn C. G. Brouwers, Pieter C. Dagnelie, Simone J. P. Eussen, Jacobus F. A. Jansen, Carla J. H. Van Der Kallen, M. Eline Kooi, Steven J. R. Meex, Thomas Olsen, Helga Refsum, Casper G. Schalkwijk, Coen D. A. Stehouwer, Kathrine J. Vinknes, Marleen M. J. Van Greevenbroek
- AD12.06** **Impact of baseline fat depots cellularity on bariatric surgery success**
Séverine Ledoux, Chloé Belles, Alexia Zakaroff Girard, Arnaud Bernard, Jean Galitzky, Anne Bouloumié
- AD13.01** **High success rates of a telemedicine-based intensive treatment program for children with obesity**
Gal Dubnov Raz, Shay Maor, Amit Yaniv, Ishai Aloni, Tomer Ziv Baran
- AD13.02** **Determinants of dropout and compliance of children participating in a multidisciplinary intervention programme for overweight and obesity in socially deprived areas in the Netherlands**
Hevy Hassan, Selinde Snoeck Henkemans, Jolande Van Teeffelen, Kees Cornelisse, Patrick J.e. Bindels, Bart W. Koes, Marienke Van Middelkoop
- AD13.03** **Age of onset of obesity and childhood BMI trajectories in rare genetic obesity disorders**
Ozair Abawi, Rama J. Wahab, Lotte Kleinendorst, Annelies E. Brandsma, Elisabeth F. C. Van Rossum, Bibian Van Der Voorn, Mieke M. Van Haelst, Romy Gaillard, Erica L. T. Van Den Akker
- AD13.04** **Comparison of a multidisciplinary lifestyle intervention between children and adolescents with severe obesity**
Kelly G.H. van de Pas, Judith Lubrecht, Marijn L. Hesselink, Bjorn Winkens, François M.H. van Dielen, Anita C.E. Vreugdenhil
- AD13.05** **Neonatal Anthropometrics and Obesity Treatment Response in Children and Adolescents**
Ulrik Lausten Thomsen, Morten Asp Vonsild Lund, Sara Elizabeth Stinson, Christine Frithioff Bøjsøe, Louise Aas Holm, Jennifer Lyn Baker, Cilius Esmann Fonvig, Michael Christiansen, Lars Ångquist, Torben Hansen, Jens Christian Holm
- AD13.06** **A systematic review of clinical practice guidelines for the management of childhood obesity**
Louise Tully, Niamh Arthurs, Cathy Wyse, Sarah Browne, Lucinda Case, Lois Mccrea, Jean M. O'connell, Clodagh S. O'gorman, Susan M. Smith, Aisling Walsh, Fiona Ward, Grace C. O'malley

POSTER SESSION

POSTER SESSION

PO1.01	Prolactin levels and its relationship with the metabolic status in a sample of obese patients <i>Vanessa Guerreiro, Fernando Mendonça, Maria Manuel Silva, João Sérgio Neves, Jorge Pedro, Daniela Salazar, Maria João Ferreira, Cláudia Costa, Pedro Cabral, Patrícia Meira, Sara Viana, Eva Lau, Ana Varela, Selma Souto, Paula Freitas, Davide Carvalho</i>
PO1.02	Quantifying reductions in fat-free mass with rapid weight-loss using mathematical modelling <i>Aoife M Egan, Kelly L Johnston, Adam L Collins</i>
PO1.03	Saturated fat increases inflammation and disease progression through dysregulation of cellular and lipid metabolism in obesity-linked oesophageal and colorectal cancer <i>Kathleen A.J. Mitchelson, Fiona O'connell, Kieran Wynne, David Matallanas, Jacintha O'sullivan, Helen M. Roche</i>
PO1.04	Food supplements to reduce intestinal saccharide uptake <i>Art Muijsenberg, Freddy Troost, Mireille Sthijns</i>
PO1.05	Obesity and genomic instability: a human longitudinal study after bariatric surgery <i>Valeria Guglielmi, David Israel Escobar Marcillo, Federico Manganello, Ambra Dell'orso, Valeria Simonelli, Egidio Iorio, Simonetta Palleschi, Grete Francesca Privitera, Tarik Gheiti, Eugenia Dogliotti, Massimo Tommasino, Paola Fortini, Paolo Sbraccia</i>
PO1.06	Short chain fatty acids switch stem cell differentiation to the absorptive cell lineage in enteroids from obese individuals <i>Mona Farhadipour, Mathias Clarysse, Kaline Arnauts, Kathrin Liszt, Theo Thijs, Laurens J Ceulemans, Ellen Deleus, Bart Van Der Scheuren, Matthias Lannoo, Marc Ferrante, Inge Depoortere</i>
PO1.07	A novel microscopy tool to study in vitro lipid droplet dynamics in human primary myotubes <i>Anne Gemmink, Nynke Van Polanen, Gert Schaart, Kevin Knoops, Matthijs Hesselink</i>
PO1.08	Fecal carriage of vanB antibiotic resistance gene affects adipose tissue function under vancomycin use <i>Lars M.M. Vliex, Giang Le, Marina Fassarella, Dorien Reijnders, Gijs H Goossens, Erwin G Zoetendal, John Penders, Ellen E Blaak</i>
PO1.09	Investigating the transcriptional changes in obesity between the small intestinal segments (duodenum, jejunum and ileum) using lean (CTL) and diet-induced obese (DIO) mice <i>Margot Jacobs, Gavin Bewick, Jason A West, Harith Rajagopalan</i>
PO1.10	Adaptive thermogenesis: a new explanation <i>Klaas Westerterp</i>
PO1.11	Association of glucose-6-phosphate dehydrogenase (G6PD) expression and obesity: A systematic review <i>Eshpie Grace Fojas, Aoife Healy, Roozbeh Naemi, Mary Anne Chiong, Nader Lessan</i>
PO1.12	Concordance of an electrical impedance myography device (Skulpt Chisel®) and bioelectrical impedance analyzers in the assessment of body fat in healthy adults <i>Jorge A Aburto Corona, Wendy Garcia Matías, Roberto Espinoza Gutiérrez, Luis M Gómez Miranda, Juan J Calleja Núñez, Diego Bonilla Ocampo</i>
PO1.13	Whole-genome bisulfite sequencing reveals dysregulated regulation of insulin signalling in liver of obese and type 2 diabetic subjects <i>Christin Krause, Ella Feustel, Jonas Wagner, Stefan Wolter, Oliver Mann, Hendrik Lehnert, Henriette Kirchner</i>
PO1.14	The association between the EAT-Lancet Planetary Health Diet and changes in anthropometric measures during 7 years of follow-up in Finnish adults <i>Tiina Suikki, Mirkka Maukonen, Niina Eerika Kaartinen, Kennet Harald, Anne Maria Pajari, Satu Männistö</i>
PO1.15	Effect of saturated vs unsaturated dietary fat on leptin signalling in mouse white adipose tissue <i>Jesús Fernández Felipe, Victoria Cano González, Nuria Del Olmo Izquierdo, Belén Sanz Martos, Mariano Ruiz Gayo, Beatriz Merino Palacios</i>
PO1.16	The relation between visceral fat and lung function in the general population is in part mediated by CRP and leptin <i>Marijella Eijmael, Saskia Le Cessie, Annemarie Slats, Pieter Hiemstra, Willemien Thijs, Hildo Lamb, Ko Willems Van Dijk, Frits Rosendaal, Renée De Mutsert</i>
PO1.17	Short- and long-term effects of bariatric surgery on Non Alcoholic Fatty Liver Disease in patients with obesity measured by 2D-Shear Wave Elastography and different serological markers <i>Silvia Bettini, Gabriella Milan, Giancarlo Bombonato, Stefka Gueorgieva Stoyanova, Roberto Fabris, Chiara Dal Prà, Giulia Maria Pontesilli, Mirto Foletto, Luca Prevedello, Francesca Favaretto, Paolo Angeli, Luca Busetto, Roberto Vettor</i>

POSTER SESSION

- P01.18** **Cold-induced thermogenesis shows a diurnal variation, that unfolds differently in males and females**
Mariëtte Boon, Maaik Straat, Borja Martinez Tellez, Aashley Sardjoe Mishre, Magdalena Verkleij, Mirjam Kemmeren, Iris Pelsma, Juan Alcantara, Andrea Mendez Gutierrez, Sander Kooijman, Patrick Rensen
- P01.19** **Increased glucocorticoid receptor sensitivity is associated with less beneficial body composition in patients with obesity**
Robin Lengton, Anand M. Iyer, Eline S. van der Valk, Bibian van der Voorn, Elisabeth F.C. van Rossum
- P01.20** **Effect of Combined Roux-en-Y Gastric Bypass Surgery and Medical Therapy on the Visceral Adipose Tissue Proteome in the ZDSD Rat Model of Obesity and Type 2 Diabetes**
James William White, Yeong Hwei Desmond Chuah, Mahmoud Abdelaal, Carel W Le Roux, Neil G Docherty
- P01.21** **Grain-based diet impairs regeneration in hindlimb ischemia in comparison with high-fat diet**
Iurii Stafeev, Svetlana Michurina, Maria Boldyreva, Vu Ahn Truong, Mikhail Menshikov, Yu Chen Hu, Yelena Parfyonova
- P01.22** **Omental adipose-derived stem cells from patients with obesity drive lipid accumulation and adipogenesis in subcutaneous adipocytes**
Margarita Agareva, Denis Masnikov, Iurii Stafeev, Svetlana Michurina, Igor Sklyanik, Ekaterina Shestakova, Mikhail Menshikov, Marina Shestakova, Yelena Parfyonova
- P01.23** **Dietary improvement during lactation prevents early alterations in the plasma lipidome of the offspring of diet-induced obese rats by normalizing maternal milk lipid content**
Pedro Castillo, Ondrej Kuda, Jan Kopecky, Catalina Amadora Pomar, Andreu Palou, Mariona Palou, Catalina Picó
- P01.24** **The Contribution of Microglial Dysfunction to the Pathogenesis of Prader-Willi Syndrome**
Felipe Correa Da Silva, Clarissa Maya Monteiro, Martin J. Kalsbeek, Nikita Korpel, Lisette Hoogendijk, Carel J.M. Van Noesel, Johan J.P. Gille, Margje Sinnema, Connie T. R. M. Schrandt Stumpel, Leopold M.G. Curfs, Andriës Kalsbeek, Eric Fliers, Dick Ferdinand Swaab, Chun Xia Yi
- P01.25** **IL-4 enhances glucose uptake in adipocytes independent of GLUT1 and GLUT4 regulation**
Svetlana Michurina, Iurii Stafeev, Irina Beloglazova, Ekaterina Zubkova, Mikhail Menshikov, Yelena Parfyonova
- P01.26** **Effect of monounsaturated and saturated high-fat diets on adipose leptin expression in male versus female mice**
Laura Romero Muñoz, Jesús Fernández Felipe, Enrique Sánchez Hita, Beatriz Merino Palacios, Nuria Del Olmo Izquierdo, Mariano Ruiz Gayo, Victoria Cano González
- P01.27** **Lean to fat mass ratio is an independent determinant of trabecular bone score (TBS) in overweight and obese individuals**
Anca Sirbu, Elisabeta Malinici, Miruna Popa, Iulia Soare, Sorina Martin, Carmen Barbu, Catalin Copaescu, Simona Fica
- P01.28** **Role of OPA-1 in the functionality of thermogenesis in the brown adipose tissue**
Beatriz Jiménez, Gema García, Patricia Marqués, Carlos González Blanco, Jesús Burillo, Carlos Guillén, Manuel Benito
- P01.29** **Assessment of obesity-mediated epigenetic modification of DNA damage repair genes**
Pallavi Kompella, Hatim Boughanem, Manuel Macias Gonzalez, Francisco J. Tinahones
- P01.30** **Normal-weight obesity in young rats induces transcriptomic changes in hippocampus related to cognitive impairment**
Carmen García, Andrea Costa, Margalida Cifre, Andreu Palou, Paula Oliver
- P01.31** **Non-aromatizable testosterone amplifies the expression of P2X7 receptor in human adipocytes in primary culture before and after inflammatory stimulus**
Angelo Di Vincenzo, Marnie Granzotto, Vincenzo Vindigni, Lucia Russo, Roberto Vettor, Marco Rossato
- P01.32** **Serum concentrations of IL-1 RA are increased in obesity and type 2 diabetes in relation to adipose tissue dysfunction**
Gema Frühbeck, Victoria Catalán, Beatriz Ramirez, Victor Valenti, Sara Becerril, Amaia Rodriguez, Rafael Moncada, Jorge Baixauli, Camilo Silva, Javier Escalada, Javier Gómez-Ambrosi
- P01.33** **Insulin sensitivity improvement in white adipose tissue of iLRKO mice through mitochondrial enhancement therapy**
Patricia Marqués, Beatriz Jiménez, Gema García, Carlos González Blanco, Jesús Burillo, Manuel Benito, Carlos Guillén
- P01.34** **Changes in biomechanical properties of adipose tissue after bariatric surgery in a diet-induced obesity rat model**
Xabier Unamuno, Javier Gómez. Ambrosi, Sara Becerril, Francisco Javier Álvarez Cienfuegos, Beatriz Ramirez, Amaia Rodriguez, Victor Valeni, Rafael Moncada, Amaia Mentxaka, Marcos Llorente, Camilo Silva, Maria De Los Reyes Elizalde, Victoria Catalán, Gema Frühbeck
- P01.35** **A polyphenol rich extract from Fucus serratus modulates oxidative stress, inflammation, and lipid accumulation in 3T3-L1 adipocytes and decreases lipid levels in Caenorhabditis elegans**
Teodora Nikolaeva Stoyanova, Benoit Queguineur, Franck Hennequart, Cherry Wainwright, Giovanna Bermano

POSTER SESSION

P01.36	Obesity-adipose tissue secreted factors triggers a procarcinogenic response in liver cells that is reversed by ketone bodies and is regulated by epigenetic mechanisms <i>Andrea G Izquierdo, Paula M Lorenzo, Marcos C Carreira, Felipe F Casanueva, Ana B Crujeiras</i>
P01.37	Investigating the effects of bariatric surgery: a multi-markers, integrative approach <i>Valeria Guglielmi, Simonetta Palleschi, Lorenza Nistrìco, Egidio Iorio, Carla Ferreri, Francesco Facchiano, Claudio Tabolacci, Sonia Brescianini, Emanuela Medda, Corrado Fagnani, Paola Fortini, Alessandro Giuliani, Eugenia Dogliotti, Paolo Sbraccia</i>
P01.38	Biological sex and aging impact on the metabolic effects of high-fat diet in mice <i>Sara Beceril, Amaia Rodríguez, Victoria Catalán, Beatriz Ramirez, Amaia Mentxaka, Javier Gómez Ambrosi, Gema Frühbeck</i>
P01.39	Treatment with the selective β2-adrenergic agonist clenbuterol for fourteen days promotes skeletal muscle glucose uptake in healthy young males <i>Sten van Beek, Yvonne Bruls, Froukje Vanweert, Ciarán Fealy, Niels Connell, Gert Schaart, Esther Kornips, Johanna Jörgensen, Ellen Smeets, Peter Joris, Anne Gemmink, Matthijs Hesselink, Tore Bengtsson, Bas Havekes, Patrick Schrauwen, Joris Hoeks</i>
P01.40	A potential association between urinary dopamine excretion, body weight and hemoglobin A1c <i>Nele Mattelaer, Silke David, Nathalie Weltens, Amber Van den Eynde, Ellen Deleus, Matthias Lannoo, Ann Mertens, Bart Van der Schueren, Lukas Van Oudenhove, Roman Vangoitsenhoven</i>
P01.41	The role of the hepatokine fetuin B in glucose homeostasis and adipose tissue function <i>Kenneth Pasmans, Ellen E Blaak, Matthew J Watt, Ruth C R Meex</i>
P01.42	Post-bariatric hypoglycemia is caused by an impaired metabolic response <i>Ömrüm Aydın, Abraham Meijnikman, Zainab Iqbal, Karlijn Van Stralen, Sjoerd Bruin, Arnold Van De Laar, Max Nieuwdorp, Albert Groen, Victor Gerdes</i>
P01.43	The urinary 1H-NMR metabolic profile of neonates reflects maternal obesity <i>Pere Bibiloni, Pilar Cobo, Maria Victoria Jiménez Cabanillas, Andreu Palou, Francisca Serra, Joana Sánchez</i>
P01.44	An Essential Sex Selective Molecular Action of SRC-1 on Beige Thermogenic Transcriptional Program Revealed Key Metabolic Health Advantages <i>Jean François Louet, Hichem Bouguerra, Marine Bourcier, Noura Lamghari, Didier Pisani, Mireille Cormont, Jean François Tanti, Pierre Gourdy, Ez Zoubir Amri, Mounia Tannour Louet</i>
P02.01	How have the risk factors related to obesity during the coronavirus pandemia changed? – results of two representative surveys <i>Emese Antal, Róbert Pilling, Dávid Szakos, Soós Mihály, Enikő Kontor, Gyula Kasza, Zoltán Szakály</i>
P02.02	A systematic review of inequalities in the uptake of, adherence to, and effectiveness of behavioural weight management interventions in adults <i>Jack Michael Birch, Rebecca A Jones, Julia Mueller, Matthew D McDonald, Rebecca Richards, Michael P Kelly, Simon J Griffin, Amy L Ahern</i>
P02.03	Saliva alteration and tooth brushing frequency less than twice a day associated with dental caries in patients with obesity <i>Virginie Chuy, Marie Mayoute, Maud Monsaingeon-Henry, Blandine Gatta-Cherif, Elise Arrivé</i>
P02.04	Nutritional status screening and health- development of public health interventions from a random population <i>Fajtona Kamberi, Sajmira Aderaj, Jerina Jaho, Laidon Ibrushi, Hera Skendo</i>
P02.05	Association Between Obesity and Frailty Syndrome in Aging: The Salus in Apulia Study <i>Roberta Zupo, Fabio Castellana, Luisa Lampignano, Sara De Nucci, Giovanni De Pergola, Rodolfo Sardone</i>
P02.06	Trends and Amounts of Consumption of Low-calorie Sweeteners: A Cross-sectional Study <i>Mira Daher, Carla Fahd, Afif Abdel Nour, Yonna Sacre</i>
P02.07	"Nosocomial" obesity. Weight bias and stigmatization. Are there differences between Medical doctors and Surgeons? <i>Iñaki Marina, Ana Ponce, Magda Muelas, Jordi Morató, Gerardo Rodriguez, Sofia Garcia, Domingo Bleda, Mónica Ruiz Pombo</i>
P02.08	Bridging the gap: A qualitative analysis of online public forum with healthcare professionals in bursting myths about weight management <i>Rahila Bhatti, Mona Joumaa, Biborka Bereczky</i>
P02.09	Polygenic risk scores of BMI in Finnish adult monozygotic twin pairs <i>Bram Berntzen, Kirsi Pietiläinen, Jaakko Kaprio</i>

POSTER SESSION

- PO2.10** **Incidence of unrecognized obesity related disease in a Danish population - results from the South Danish Obesity Initiative**
Claus Bogh, Juhl, Else Marie Bladbjerg, Bibi Gram, Torben Knudsen, Mette Munk Lauridsen, Nina Drørdahl Ryg, Lars Skadhauge, Anna Marie Bloch Münster
- PO2.11** **The Impact of Body Mass Index on Pathological Complete Response after Neoadjuvant Systemic Therapy in Patients with Breast Cancer**
Britt A. M. Jansen, Anke Gielen, Sanne Engelen, Martine Moosdorff, Mariette Agteroff, Sandra Beijer, Marissa Van Maaren, Emily L. Postma, Marjolein Smidt
- PO2.12** **The overlooked paradox of the coexistence of overweight/obesity and anaemia during pregnancy**
Natja Launbo, Emma Davidsen, Adriana Granich Armenta, Ib C. Bygbjerg, Marcela Sánchez, Ivonne Ramirez Silva, Laura Avila Jimenez, Dirk Lund Christensen, Juan A. Rivera Dommarco, Alejandra Cantoral, Karoline Kragelund Nielsen, Louise Groth Grunnet
- PO2.13** **The relationships between body mass index and metabolite response to a liquid mixed meal challenge**
David A. Hughes, Ruiyang Li Gao, Caroline J. Bull, Renée De Mutsert, Frits R. Rosendaal, Dennis O. Mook Kanamori, Ko Willems Van Dijk, Nicholas J. Timpson
- PO2.14** **Sociodemographic and anthropometric characterization of vegetarian patients treated at São Paulo State University (Unesp), Brazil**
Thomaz Tavares Bussolotti, Renata Maria Galvão De Campos Cintra, Lucas Garcia Piato, Gabriela Da Silva Formoso, Gabriela Meira De Andrade, Pâmela Camila Furlanetto, Karen Kaori Miyamoto, Luiz Henrique Campos
- PO2.15** **Bariatric surgery stigma from the perspective of bariatric surgery patients: a scoping review**
Franshelis K. Garcia, Bob C. Mulder, Esther J. Veen, Eric J. Hazebroek, Maria A. Koelen, Kirsten T. Verkooijen
- PO2.16** **Accuracy of customers' caloric estimates of ultra processed foods**
Marieke Perrille Eva Van Diejen, Sally Grace Moore
- PO2.17** **Anthropometric and body composition profile of USAR elements of the Fire Department on the northern Mexico-United States border**
Roberto Espinoza Gutiérrez, Juan José Calleja Núñez, Eva Isabel Torres Loma, Michelle Yazmin Moroyoqui Bolaños, Jorge Alberto Aburto Corona, Luis Mario Gómez Miranda, Elena Cecilia Guzmán Gutiérrez
- PO2.18** **Prevalence of overweight and obesity in adult Mongolians**
Bolormaa Norov, Naran TUYA Davaakhuu, Unursaikhan Surenjav
- PO2.19** **Body mass index partially mediated the differences in inflammatory marker, neutrophil lymphocyte ratio, between urban and rural Indonesian young adult population**
Farid Kurniawan, Dante Saksono Harbuwono, Em Yunir, Tri Juli Edi Tarigan, Tika Pradnjaparamita, Pradana Soewondo, Erliyani Sartono, Maria Yazdanbakhsh, Dicky Levenus Tahapary
- PO2.20** **Systematic scoping review of evidence on dietary, nutritional and physical activity determinants of adiposity in adults**
Morgan Kane O'Brien, Amy Byrnes, Vanessa Gordon Dseagu, Nicole Musuwo, Annie Anderson, Edward L. Giovannucci, Michael F Leitzmann, Tobias Pischon, Kate Allen, Panagiota Mitrou, Martin J Wiseman, Teresa Norat, Helen Croker
- PO2.21** **Weight loss characteristics of enrollees in a diverse online international weight control registry: U.S. participants**
Susan B. Roberts, Sai Krupa Das, R. Drew Sayer, Ann E. Caldwell, Holly R. Wyatt, Tapan S. Mehta, Anna M. Gorczyca, Jennifer Oslund, John C. Peters, James Friedman, Chia Ying Chiu, Frank Greenway, Joseph E. Donnelly, Maria C. Dao, Adolfo G. Cuevas, Olivia Affuso, Larrell L. Wilkinson, Diana Thomas, Raoul Manalac, Vasil Bachiashvili, James O. Hill
- PO2.22** **Evaluation of acceptability and preliminary effectiveness of the PROTEIN application in patients with cardiovascular disease and overweight or obesity**
Elise Decorte, Camille De Wilde, Matthijs Michiels, Saskia Wilson Barnes, Lazaros Gymnopoulos, Vassilis Solachidis, Konstantinos Rouskas, Athanassios Argiriou, Dorothea Tsatsou, Riccardo Leoni, Duncan Russell, Jelizaveta Konstantinova, Elena Lalama, Andreas F. Pfeiffer, Maria Hassapidou, Ioannis Pagkalos, Sofia Balula Dias, Ana Batista, Eugenio Mantovani, Boris Brkic, Susan Lanham New, Kath Hart, Véronique Cornelissen
- PO2.23** **Trends in obesity prevalence in patients living with type 1 and type 2 diabetes from a tertiary center in Belgium**
Diederik De Cock, Chantal Mathieu, Jonathan Rosen, Jeannete Soderberg, Thomas Sparsø, Bart Van Der Schueren
- PO2.24** **Trends in the nutrition of the Bulgarian population for the last 10 years and impact of COVID-19**
Maria Nikolova, Adriana Agovska
- PO2.25** **Rapid weight loss using the LighterLife formula-based very low-calorie diet (VLCD) is associated with increased psychological well-being (PWB), self-compassion and hope in individuals with obesity**
Caroline Martin, Kelly L Johnston, Jemma Harris

POSTER SESSION

- P02.26** **Prevalence of non-alcoholic fatty liver in the general Dutch population including subgroups at increased risk**
Gabrielle Alblas, Hildo J Lamb, Frits R Rosendaal, Bart Van Hoek, Minneke J Coenraad, Renée De Mutsert
- P02.27** **Food desire and pleasure in images and narratives**
Gabriela Batista Ribeiro Mendonça, Carina Carlucci Palazzo, Barbara Esteves Leghi, Rosa Wanda Diez Garcia
- P02.28** **The Child-COOP Denmark feasibility study: a whole of systems approach targeting childhood health in a small social disadvantaged community**
Helene Kirkegaard, Knud Ryom, Steven Allender, Pernille Møller Jensen, Christina Breddam, Helle Therkildsen Maindal, Jane Nautrup Østergaard
- P02.29** **The ENCOMPASS framework: a practical guide for the evaluation of a system dynamics and participatory action research programme**
Angie Luna Pinzon, Karien Stronks, Coosje Dijkstra, Carry Renders, Teatske Altenburg, Karen Den Hertog, Stef Kremers, Mai Chin A Paw, Arnoud Verhoeff, Wilma Waterlander
- P02.30** **Reference Intervals for Serum Immunoglobulin A, G and M in a Danish/North-European Caucasian paediatric population-based Cohort**
Fie Erecius Dandanell, Mathilde Løk, Christine Frithioff Bøjsøe, Morten Asp Vonsild Lund, Maria Martens Fraulund, Ulrik Lausten Thomsen, Jennifer Lyn Baker, Torben Hansen, Jens Christian Holm
- P02.31** **Population-based pediatric reference values for serum parathyroid hormone, vitamin D, calcium, and phosphate in Danish/North-European white children and adolescents**
Ann Vissing Landgrebe, Morten Asp Vonsild Lund, Ulrik Lausten Thomsen, Christine Frithioff Bøjsøe, Cilius Esmann Fonvig, Johanne Lind Plesner, Louise Aas Holm, Thomas Jespersen, Torben Hansen, Jens Christian Holm
- P02.32** **On the origins of hyperinsulinemia and body fat mass accumulation: A bi-directional Mendelian randomization analysis**
Eloi Gagnon, Benoit J Arseneault
- P02.33** **Adiposity and risk of prostate cancer death: a meta-analysis of prospective studies**
Aurora Perez Cornago, Yashvee Dunneram, Eleanor L Watts, Timothy Key, Ruth C Travis
- P02.34** **Individual differences in susceptibility to obesity and co-morbidities: behavioural phenotyping as a tool to understand responses to lifestyle interventions**
Graham Finlayson
- P02.35** **Weight loss is associated with reduced risk of progression of structural defects in hip but not knee osteoarthritis, as assessed by radiography over 4 years: a prospective cohort study using Osteoarthritis Initiative data**
Zubeyir Salis, Amanda Sainsbury, Helen Keen, Blanca Gallego, Tuan V. Nguyen
- P02.36** **Body mass index change during the COVID-19 pandemic: A UK retrospective cohort study in 1 million individuals**
David Kloecker, Katherine Byrne, Kamlesh Khunti, Ricardo Reynoso, Sharmin Shabnam, Luis Vaz, Thomas Yates, Claire Gillies
- P02.37** **Effects of weight stigma on BMI and inflammatory markers among subjects with obesity**
Joana Nicolau Ramis, Santiago Tofé Povedano, Aina Bonet Manresa, Keyla Dotres Fallat, Antelm Pujol Calafat, Andrea Romano, Apolonia Gil Palmer
- P02.38** **Association between Body Dissatisfaction and the Use of Social Media in female University students**
Ana Lilia Armendariz Anguiano, Kathian Alexandra Montoya Salazar, Glenda Diaz Ramirez, Diana Bueno Gutiérrez, Montserrat Bacardí Gascón
- P02.39** **The experience of living with obesity during the COVID-19 pandemic: An IMI2 SOPHIA study**
Emma Farrell, Eva Hollmann, Le Roux W Carel, Nadglowski Joe, Mcgillicuddy Deirdre
- P02.40** **Designing interactive storytelling to reduce obesity stigma**
Niko Vegt, Valentijn Visch, Annemiek Van Boeijen
- P02.41** **Weight-Biased Attitudes about Pediatric Patients with Obesity in Dutch Health Care Professionals from Seven Different Professions**
Bibian Van Der Voorn, Roxanna Camfferman, Jacob C Seidell, Rebecca M Puhl, Jutka Halberstadt
- P03.01** **The VDR gene as a predictor of arterial hypertension development in obese patients**
Tatyana Borisovna Sentsova, Lydiya Ivanovna Ilyenko, Diana Islamovna Albagachieva
- P03.02** **Genetic markers of metabolism in obese patients**
Lydiya Ivanovna Ilyenko, Tatyana Borisovna Sentsova, Diana Islamovna Albagachieva

POSTER SESSION

- P03.03** **Changes of prevalence in girls drive the rising trend of childhood obesity in North Macedonia**
Igor Spiroski
- P03.04** **Quality of life of children and adolescents with clinical obesity, perspectives of children and parents**
Laila Van Der Heijden, Edith Feskens, Hein Raat, Arieke Janse
- P03.05** **Associations between weight gain trajectories from birth to 12 months and cardiovascular risk factors in middle adulthood**
Lise G Bjerregaard, Kim Blond, Rikke Lund, Erik L Mortensen, Britt W Jensen, Jennifer L Baker
- P03.06** **Exploring the potential of recruiting children living with obesity to weight management interventions through parents attending a commercial weight management programme**
Ruth Mears, Debbie Sharp, Russell Jago, Julian Hamilton Shield
- P03.07** **Postprandial glucose responses to standardised meals consumed after moderate- and high-intensity exercise bouts in healthy, free-living adolescents**
Sahar Afeef, Laura Barrett, Julia Zakrzewski Fruer, Keith Tolfrey
- P03.08** **Childhood body mass index trajectories and risks of dementia later in life**
Britt Wang Jensen, Kim Blond, Terese Sara Høj Jørgensen, Dorte Vistisen, Julie Aarestrup, Jennifer Lyn Baker
- P03.09** **Tryptophan Metabolism is Affected by BMI and Adipose Tis-sue Mass and Linked to Metabolic Disease in Pediatric Obesity**
Julia Lischka, Andrea Schanzer, Margot Baumgartner, Charlotte De Gier, Susanne Greber Platzer, Maximilian Zeyda
- P03.10** **Reframing the childhood obesity prevention narrative through an equitable nurturing approach**
Helen Skouteris, Rachael Green
- P03.11** **Change in weight category among youth early in the COVID-19 pandemic**
Ihuoma U. Eneli, Jinyu Xu, Keeley Pratt
- P03.12** **Profile of the pediatric population of a nutritional outpatient clinic in São Paulo - Brazil: there is successful intervention without new strategies**
Renata Maria Galvão De Campos Cintra, Maria Beatriz Dorigan Marcellino, Julia Cury Cunha, Thabata Koester Weber, Luiza Cristina Domingues Dias
- P03.13** **Body mass index trajectories in childhood and incidence rates of type 2 diabetes and coronary heart disease in adulthood**
Kim Blond, Dorte Vistisen, Julie Aarestrup, Lise G. Bjerregaard, Mohammed T. Hudda, Anne Tjønneland, Kristine Allin, Marit E. Jørgensen, Britt W. Jensen, Jennifer L. Baker
- P03.14** **Healthcare professionals' perspectives on their role in managing childhood obesity and the barriers and facilitators for doing so: the LANDSCAPE mixed-methods study**
Louise Tully, Niamh Arthurs, Sarah O'brien, Grace O'malley
- P03.15** **Parents' perspectives on preventing childhood obesity. A qualitative study from preschool child health centers**
Kirsten Gudbjørg Øien, Lars Malvin Kvinge, Thomas Potrebny
- P03.16** **Adolescent overweight and obesity in Ireland; trends, current status and the socioeconomic gradient of obesity**
Aoibhin Moore Heslin, Aisling O' Donnell, Laura Kehoe, Janette Walton, Albert Flynn, John Kearney, Breige McNulty
- P03.17** **Assessing the effectiveness of obesity interventions in preventing childhood obesity in the Early Years: a systematic review**
Stamatia Michalopoulou, Maria Sifaki, Jessica Packer, Simon Russell, Russell Viner
- P03.18** **Iron status in children and adolescents: Population-based reference values and comparisons to children and adolescents with overweight**
Alberte Laura Oest Müllertz, Amanda Ørsted Holm Nielsen, Louise Aas Holm, Morten Asp Vonsild Lund, Julie Dam Jessen, Torben Hansen, Jens Christian Holm, Cilius Esmann Fonvig
- P03.19** **The BDNF Val66Met Polymorphism and Health-Related Quality of Life in Youth with Obesity**
Gary S. Goldfield, Jameason D. Cameron, Ronald J. Sigal, Glen P. Kenny, Michael De Lisio, Denis Prud'homme, Mathew Ngu, Angela S. Alberga, Steve Doucette, Diana B. Goldfield, Heather Tulloch, Helen Thai, Jeremy Walsh
- P03.20** **Uric Acid Is Elevated in Children With Obesity and Decreases After Weight Loss**
Rasmus Møller Jørgensen, Bjarke Böttger, Esben Thyssen Vestergaard, Britta Kremke, Rikke Frederiksen Bahnsen, Bent Windelborg Nielsen, Jens Meldgaard Bruun
- P03.21** **Associations of maternal angiogenic factors during pregnancy with alterations in cardiac development in childhood at 10 years of age**
Meddy Nadia Bongers Karmaoui, Vincent W.v. Jaddoe, Arno A.w. Roest, Willem A. Helbing, Eric A.p Steegers, Romy Gaillard

POSTER SESSION

P03.22	Do healthcare professionals accurately visually recognise overweight and obesity in children? <i>Elizabeth H. Evans, Piers Cornelissen, Beth Ridley, Martin J. Tovee</i>
P03.23	Developing an index for national nutrition policies in the European Countries <i>Anne Siri Fismen, Mathisen Rekdal Jonas, Ioana Vlad, Kate Oldridge-turner, Margarita Kokkorou, Knut Inge Klepp, Arnfinn Helleve</i>
P03.24	Stigma, blame and shame experienced by people living with obesity – A qualitative synthesis: An IMI2 SOPHIA Study <i>Eva Hollmann, Emma Farrell, Carel Le Roux, Marta Bustillo, Joseph Nadgrowski, Deirdre Mcgillicuddy</i>
P03.25	Estimating the impact of weight management treatments on childhood obesity in England <i>Simon James Russell, Russell M Viner</i>
P03.26	Short Sleep Duration is Associated with Weight Regain <i>Adrian Fastrup Bogh, Simon Birk Kjær Jensen, Christian Rimer Juhl, Charlotte Janus, Rasmus Michael Christensen, Julie Rehné Lundgren, Bente Merete Stallknecht, Jens Juul Holst, Sten Madsbad, Signe Sørensen Torekov</i>
P03.27	Eating behaviour and dietary habits in children with overweight and obesity: a cluster analysis <i>Britt van Belkom, Maaïke Eijgenraam, Aleksandr Umanec, Remco Havermans, Edgar van Mil, Dimona Barthelet</i>
P03.28	Success of a tertiary care program for children with severe obesity <i>Ann Tanghe, Ellen Dupont, Veronique Beauloye, An Schillemans, Silke Stalpaert, Fred Van Den Mooter, Lien Sercu, Kris De Boeck</i>
P03.29	Change in overweight and obesity prevalence in Czech children since 1951 to 2019 (COSI project) <i>Marie Kunesova, Marie Kunesova, Tereza Metelcova, Tereza Metelcova, Radka Taxova Braunerova, Pavla Kalouskova, Bohuslav Prochazka, Jana Vignerova, Jana Parizkova, Martin Hill, Hana Zamrazilova</i>
P03.30	Public engagement: A discussion with parents around childhood obesity <i>Maria Sifaki, Semina Michalopoulou, Simon Russell, Jessica Packer, Russell Viner</i>
P03.31	Influence of family history on overweight and obesity in Czech 7 years old children (COSI study) <i>Pavla Kalouskova</i>
P03.32	Morbid obesity, gut pathology and the brain. The BARICO study <i>Emma E M Custers, Debby Vreeken, Lieke Van Dongen, Laura N Deden, Maximilian Wiesmann, Eric J Hazebroek, Amanda J Kiliaan</i>
P03.33	Serum zonulin as an index of glucose dysregulation in children and adolescents with obesity <i>Alice Maguolo, Francesca Olivieri, Massimiliano Corradi, Chiara Zusi, Valentina Huber, Elena Fornari, Anita Morandi, Claudio Maffei</i>
P03.34	Prevalence of Seven Years Old Children with Overweight and Obesity in Relation with Urbanization Status in Montenegro <i>Enisa Kujundzic, Natasa Tezic, Borko Bajic</i>
P03.35	Effect of sedentary lifestyle on obesity in children at 7 years of age in the Czech Republic (COSI Project) <i>Radka Taxová Braunerová, Pavla Kalousková, Tereza Metelcová, Bohuslav Procházka, Jana Vignerová, Jana Pařizková, Martin Hill, Hana Zamrazilová</i>
P03.36	The HOLBAEK Study: a comprehensive data- and bio-resource facilitating basic and clinical research <i>Anna Katrine Gaul, Nasra Abdi Ashur, Morten Asp Vonsild Lund, Louise Aas Holm, Christine Frithioff Bøjsøe, Cilius Esmann Fonvig, Thorkild I A Sørensen, Jennifer Lyn Baker, Michael Christiansen, Oluf Pedersen, Torben Hansen, Jens Christian Holm</i>
P03.37	Predicting NAFLD in children and adolescents using indices of body composition <i>Magnus Jung Johansen, Morten Asp Vonsild Lund, Lars Ångquist, Cilius Esmann Fonvig, Louise Aas Holm, Elizaveta Chabanova, Henrik S. Thomsen, Torben Hansen, Jens Christian Holm</i>
P03.38	A healthy dietary pattern in early pregnancy associates with a lower risk of developing gestational diabetes mellitus in women with overweight or obesity <i>Lotta Pajunen, Liisa Korkalo, Ella Koivuniemi, Noora Houttu, Outi Pellonperä, Kristiina Tertti, Tero Vahlberg, Kirsi Laitinen</i>
P03.39	A Long-Term Follow-up of a Randomized Controlled Trial for Obesity Treatment in Young Children: The More and Less Study <i>Anna Ek, Markus Brissman, Karin Nordin, Karin Elli, Claude Marcus, Paulina Nowicka</i>
P03.40	Trajectories of childhood body mass index and their associations with pre- and post-menopausal breast cancer <i>Dorthe C. Pedersen, Britt W. Jensen, Julie Aarestrup, Kim Blond, Marit E. Jørgensen, Andrew G. Renehan, Dorte Vistisen, Jennifer L. Baker</i>

POSTER SESSION

P03.41	<p>Fatty acid composition of serum phospholipids in adolescence determines fat mass in early adult subjects: An eight-year follow-up study <i>Tereza Metelcová, Markéta Vaňková, Hanka Zamrazilová, Martin Hill, Eva Tvrzická, Barbora Staňková, Radka Taxová Braunerová, Marie Kunešová</i></p>
P03.42	<p>Parents' experiences following conversations about their young child's weight in the primary health care setting. A study within the STOP project <i>Karin Eli, Catharina Neovius, Karin Nordin, Markus Brissman, Anna Ek</i></p>
P03.43	<p>Children's experiences of meals after obesity treatment: A qualitative follow-up four years after a randomized controlled trial <i>Karin Nordin, Nicklas Neumana, Anna Jörnviá, Anna Ek, Karin Eli, Paulina Nowicka</i></p>
P03.44	<p>Resting energy expenditure and body composition in children and adolescents with genetic, hypothalamic, medication-induced or multifactorial severe obesity <i>Ozair Abawi, Emma C. Koster, Mila S. Welling, Sanne C. M. Boeters, Elisabeth F. C. Van Rossum, Mieke M. Van Haelst, Bibian Van Der Voorn, Cornelis J. De Groot, Erica L. T. Van Den Akker</i></p>
P03.45	<p>Evaluation of an automated bioelectrical impedance analysis device for the assessment of body fat in youth with overweight or obesity <i>Hanan Samouda</i></p>
P03.46	<p>ACTION Teens global survey: conversations about weight between adolescents living with obesity, caregivers and healthcare professionals <i>Louise A Baur, Abdullah Bereket, Bassam Bin-Abbas, Walter Chen, Fernando Fernández-Aranda, Nayely Garibay Nieto, Jason C G Halford, Juan Pedro López Siguero, Claudio Maffei, Vicki Mooney, Cynthia Karenina Osorto, Ricardo Reynoso, Young-Jun Rhie, Martin Toro-Ramos</i></p>
P04.01	<p>Weight loss is associated with reduced risk of knee and hip replacement: A survival analysis using Osteoarthritis Initiative data <i>Zubeyir Salis, Amanda Sainsbury, Helen Keen, Blanca Gallego, Xingzhong Jin</i></p>
P04.02	<p>What about the Mediterranean Diet as tool to relieve postmenopausal syndrome in women with obesity? <i>Ludovica Verde, Claudia Vetrani, Luigi Barrea, Rosa Rispoli, Giulia De Alteriis, Annamaria Docimo, Renata Simona Auriemma, Annamaria Colao, Silvia Savastano, Giovanna Muscogiuri</i></p>
P04.03	<p>The prevalence of Non Alcoholic Fatty Liver Disease among Diabetic patients attending the diabetic clinic in a tertiary care institute in Colombo <i>Hewapala Ishara Ranathunga, Naveenkumar P Joseph, Tharaka G Athukorala, Manilka Sumanatilleke, Noel P Somasundaram</i></p>
P04.04	<p>Abstract Title: PREVALENCE OF METABOLIC SYNDROME (MS) AMONG PROFESSIONAL NURSES IN GAUTENG TERTIARY INSTITUTIONS <i>Rachel Modjadji Ntshetsana Shabangu</i></p>
P04.05	<p>Does feeling what you eat change how you eat? Effects of an intervention for food consciousness on food behavior, interoceptive sensitivity and exteroceptive expression <i>Carina Carlucci Palazzo, Barbara Esteves Leghi, Rosa Wanda Diez Garcia</i></p>
P04.06	<p>Participants experiences of mental health during a COVID-19 tailored, web-based, guided self-help, ACT-based behavioural weight management intervention: a qualitative study <i>Rebecca A Jones, Rebecca Richards, Roshni Palat, Carly Hughes, Andrew J Hill, Ann Vincent, Simon J Griffin, Amy L Ahern, Robbie Duschinsky</i></p>
P04.07	<p>Evaluation of adipose tissue zinc-alpha 2-glycoprotein gene expression and its relationship with metabolic syndrome features and weight loss after bariatric surgery in patients with morbid obesity <i>José Ignacio Martínez Montoro, Rocío Soler Humanes, Hanieh Motahari Rad, Andrés González Jiménez, Alba Subiri, Luis Ocaña, Eduardo García Fuentes, Francisco J. Tinahones, Lourdes Garrido Sánchez, Mora Murri</i></p>
P04.08	<p>The effect of exercise training on adipose tissue insulin sensitivity: a systematic review and meta-analysis <i>Buket Engin, Scott A. Willis, Sundus Malaikah, Jack A. Sargeant, Thomas Yates, Laura J. Gray, Guruprasad P. Aithal, David J. Stensel, James A. King</i></p>
P04.09	<p>An interdisciplinary intervention improves conception rates, anthropometric status and lifestyle behaviours in women living with obesity and infertility: a randomized controlled trial <i>Audrey St Laurent, Matea Belan, Farrah Jean Denis, Marie France Langlois, Anne Sophie Morisset, Jean Patrice Baillargeon</i></p>

POSTER SESSION

PO4.10	Covid-19 Lockdown and Impact on Short-Term Weight Loss in a Bariatric Surgery Centre <i>Telma Moreno, Sara Ribeiro, Marta Borges Canha, Maria Manuel Silva, Fernando Mendonça, Helena Urbano Ferreira, Juliana Gonçalves, Vanessa Guerreiro, João Côrrea, Catarina Vale, Sara Gil Santos, Ana Cristina Santos, Ana Sande, Selma B. Souto, John Preto, Paula Freitas, Davide Carvalho</i>
PO4.11	Being a "owl" is associated with severity of NAFLD in obesity <i>Claudia Vetrani, Luigi Barrea, Ludovica Verde, Gerardo Sarno, Annamaria Docimo, Giulia De Alteriis, Silvia Savastano, Annamaria Colao, Giovanna Muscogiuri</i>
PO4.12	In patients with obesity, are affective temperaments associated with attrition? An evaluation during and before the SARS-COV-2 pandemic <i>Chiara D'eusebio, Enrica Marzola, Giovanni Abbate Daga, Elena Scumaci, Valentina Ponso, Ilaria Goitre, Marianna Pellegrini, Andrea Benso, Sara Belcastro, Franco De Michieli, Chiara Crespi, Ezio Ghigo, Fabio Broglio, Simona Bo</i>
PO4.13	Normalization of glycated hemoglobin and intensive weight loss in new onset diabetes patients after semaglutide therapy associated with lifestyle interventions <i>Del Prete Michela, Di Sacco Gianleone, Vignati Federico, Gavazzi Lidia, Pellegrino Domenico, Dellepiane Daniela, Fabrizio Muratori</i>
PO4.14	Early response to Liraglutide 3,0 mg as adjunct to diet and exercise can predict the long term response to drug on weight loss: a retrospective study in 102 consecutive overweight and obese patients <i>Fabrizio Muratori, Del Prete Michela, Di Sacco Gianleone, Gavazzi Lidia, Pellegrino Domenico, Dellepiane Daniela, Vignati Federico</i>
PO4.15	Up-to-date in the long-term pharmacological treatment for the obesity. A therapeutic option? <i>Oscar Manuel Torres</i>
PO4.16	Phase Angle As An Easy Diagnostic Tool For The Nutritionist In The Evaluation Of Changes In Inflammation During The Active Stage Of Very Low-Calorie Ketogenic Diet In Patients With Overweight and Obesity <i>Luigi Barrea, Claudia Vetrani, Ludovica Verde, Sara Aprano, Silvia Savastano, Annamaria Colao, Giovanna Muscogiuri</i>
PO4.17	Combination of Exercise and GLP-1 Receptor Agonist Treatment Reduced Metabolic Syndrome, Abdominal Obesity, and Low-grade Inflammation More Than Either Treatment Alone after Weight Loss <i>Rasmus Michael Sandsdal, Christian Rimer Juhl, Simon Birk Kjær Jensen, Julie Rehné Lundgren, Charlotte Janus, Martin Bæk Blond, Adrian Fastrup Bogh, Lasse Gliemann, Jens Erik Beck Jensen, Bente Merete Stallknecht, Jens Juul Holst, Sten Madsbad, Signe Sørensen Torekov</i>
PO4.18	Effects of diet-induced weight loss on plasma markers for cholesterol absorption and synthesis: secondary analysis of a randomized trial in abdominally obese men <i>Sultan Mashnafi, Jogchum Plat, Ronald P. Mensink, Peter J. Joris, Yvo H.a.m. Kusters, Alfons J.h.m. Houben, Coen D.a. Stehouwer, Casper G. Schalkwijk, Sabine Baumgartner</i>
PO4.19	3D virtual learning tool to improve weight-related communication for healthcare professionals: Feasibility study <i>Fiona Quigley, Dr. Anne Moorhead, Prof. Raymond Bond, Dr. Toni Mcaloon, Prof. Huiru Zheng</i>
PO4.20	Use of weight loss strategies in six European countries: results from the RESOURCE survey <i>Marc Evans, Joanna de Courcy, Elisabeth de Laguiche, Mads Faurby, Christiane Lundegaard Haase, Adam Moore, Kasper Sommer Matthiessen, Jonathan Pearson-Stuttard</i>
PO4.21	Could semaglutide promote lifestyle interventions and improve emotional eating? Influence of semaglutide in people living with overweight/obesity on weight loss, emotional eating and physical activity <i>Antelm Pujol Calafat, Keyla Dotres Fallat, Andrea Romano, Aina Bonet, Apolonia Gil, Santiago Tofé, Joana Nicolau Ramis</i>
PO4.22	Weight and comorbidities outcomes in the intensive maintenance phase after a multidisciplinary program for the treatment of obesity <i>Emma Adriana Chávez Manzanera, José Luis Eduardo Doval Caballero</i>
PO4.23	Efficacy of bariatric surgery in improving the metabolic outcomes: A retrospective study from single center in Dubai, UAE <i>Rahila Bhatti, Biborka Bereczky, Mona Joumaa, Usama Warshow, Mazin Aljabiri, Amar Khamis, Adriana Rotundo, Patrick Noel</i>
PO4.24	Cost progression over 8 years for individuals with different numbers of obesity-related complications in a US real-world population: a retrospective cohort study <i>Jonathan Pearson-Stuttard, Elisabeth de Laguiche, Mads Faurby, Christiane Lundegaard Haase, Kasper Sommer Matthiessen, Aimee Near, Xiaohui Zhao, Marc Evans</i>

POSTER SESSION

- PO4.25** **Bariatric surgery for Metabolic Unhealthy Obesity during the COVID-19 era: short term results of a high volume center**
Valeria Guglielmi, Luca Colangeli, Michela Campanelli, Emanuela Bianciardi, Domenico Benavoli, Monica D'adamo, Paolo Sbraccia, Paolo Gentileschi
- PO4.26** **Effects of vegan diets on cardiometabolic health: A systematic review and meta-analysis of randomized controlled trials**
Anne Ditte Termannsen, Kim Katrine Bjerring Clemmensen, Jonas Mark Thomsen, Ole Nørgaard, Lars Jorge Diaz, Signe Sørensen Torekov, Jonas Salling Quist, Kristine Færch
- PO4.27** **Cumulative 8-year direct healthcare costs for individuals with specific obesity-related complications in a US real-world population: a retrospective cohort study**
Jonathan Pearson-Stuttard, Tania Banerji, Elisabeth de Laiguiche, Mads Faurby, Christiane Lundegaard Haase, Kasper Sommer Matthiessen, Jenny Tse, Marc Evans
- PO4.28** **Patterns of adult weight management referrals in primary care in England**
Karen D Coulman, Theresa Redaniel, Ruta Margelyte, Tim Jones, Jane Blazeby, John Macleod, Amanda Owen Smith, Helen Parretti, Richard Welbourn, Andy Judge
- PO4.29** **Remotely-delivered dietary coaching increases retention in patients with nutrition-related diseases**
Philipp Kanehl, Lucy Jones, Felix Schirrmann
- PO4.30** **Obesity mediates physical activity and cardiometabolic risk factor responses to a multi-component behaviour change intervention**
Katharina Ruettger, Stacy A Clemes, Veronica Varela Mato, Yu Ling Chen, Charlotte L Edwardson, Amber Guest, Nicholas D Gilson, Laura J Gray, Nicola J Paine, Aron P Sherry, Mohsen Sayyah, Thomas Yates, James A King
- PO4.31** **Creation of a tool about weight bias, targeting communication between people with obesity and healthcare professionals**
Rudy Cailet
- PO4.32** **Eight-year trends in obesity-related complications in a US population with obesity: a retrospective cohort study**
Marc Evans, Mitch DeKoven, Elisabeth de Laiguiche, Victoria Divino, Mads Faurby, Christiane Lundegaard Haase, Kasper Sommer Matthiessen, Jonathan Pearson-Stuttard
- PO4.33** **Different vitamin B12 absorption in different types of bariatric surgery: a retrospective observational multicenter study on the assessment of vitamin B12 sublingual supplementation in 102 patients**
Dellepiane Daniela, Zappa Marco Antonio, Maggioni Dario, Gentilli Sergio, Ojeda Mercado Daniela, Del Prete Michela, Gavazzi Lidia, Di Sacco Gianleone, Vignati Federico, Muratori Fabrizio
- PO4.34** **EpiSign DNA methylation test: a new diagnostic tool for genetic obesity disorders**
Lotte Kleinendorst, Mariëlle Alders, Mieke M. Van Haelst
- PO4.35** **Metabolic differences in a multi-ethnic birth cohort contribute to disparity of risk for gestational diabetes: A Mendelian Randomisation analysis of metabolites**
Harriett Fuller, Mark M Iles, J Bernadette Moore, Michael A Zulyniak
- PO4.36** **The Impacts of Fish Oil and/or Probiotic Intervention on Low-Grade Inflammation, IGFBP-1 and MMP-8 in Pregnancy: A Randomized, Placebo-Controlled, Double-Blind Clinical Trial**
Noora Houttu, Kati Mokkala, Ella Koivuniemi, Outi Pellonperä, Juuso Juhila, Timo Sorsa, Kirsi Laitinen
- PO4.37** **Serum metabolome in pregnant women with overweight or obesity: intervention with fish oil and/or probiotics**
Kirsi Laitinen, Tero Vahlberg, Noora Houttu, Ella Koivuniemi, Leo Lahti, Kati Mokkala
- PO4.38** **Obesity and lipids: do individuals with obesity reach population LDL targets?**
Ann Verhaegen, Kristof Van Dessel, Eveline Dirinck, Christophe De Block, Luc Van Gaal
- PO4.39** **Preventive strategies on effects and complications of overweight and obesity on fetal health and early life: Futura project from genetic counselling to nutrition, a perspective studies during four years**
Barbara Hugonin Rao
- PO4.40** **Process evaluation of a web-based, guided self-help, acceptance and commitment therapy-based weight management intervention during the COVID-19 pandemic: What worked, what did not and why?**
Rebecca Richards, Julia Mueller, Rebecca A Jones, Carly A Hughes, Andrew J Hill, Gillian Pountain, Robbie Duschinsky, Simon J Griffin, Amy L Ahern
- PO4.41** **Time restricted eating improves glucose homeostasis in adults with type 2 diabetes but does not improve insulin sensitivity**
Charlotte Andriessen, Ciarán Fealy, Anna Veelen, Sten Van Beek, Kay Roumans, Niels Connell, Esther Moonen Kornips, Bas Havekes, Vera Schrauwen Hinderling, Joris Hoeks, Patrick Schrauwen

POSTER SESSION

P04.42	Digital therapeutic for obesity and concomitant metabolic risk factors <i>Niall S Colwell, Andrew Sheppard, Jack Egan, Donal Collins, Gitte Wienecke</i>
P04.43	The association between overweight/obesity and glucose variability in adults with type 1 diabetes; a cross-sectional study <i>Nathan William Patrick Cantley, Macpula El Mabruk, Beenish Inayat, Danijela Tatovic, Hassan Kaha</i>
P04.44	Treatment with the GLP-1R agonist liraglutide does not modify plasma GDF15 levels: results of the MAGNA VICTORIA Studies <i>Carlijn A. Hoekx, Huub J. Van Eyk, Maurice B. Bizino, Hildebrandus J. Lamb, Jan W. Smit, Ingrid M. Jazet, Mariëtte R. Boon, Saskia C. A. De Jager, Patrick C. N. Rensen, Borja Martinez Tellez</i>
P04.45	Early changes in enteral hormones and adipokines following bariatric surgery: a pilot study <i>Teodora Handjieva-Darlenska, Maria Kalinkova, Ivana Kalinkova, Vesselina Mihaylova, Konstantin Grozdev</i>
P04.46	The effects of a combined lifestyle intervention program on low-grade inflammation and metabolic health <i>Iris M De Hoogh, Johanneke E Oosterman, Kristel Kamstra, Dagmar Smid, Willem Van Den Brink, Wilrike J Pasman, Suzan Wopereis</i>
P04.47	The role of physical and social environmental parameters in predicting weight loss in response to a combined lifestyle intervention with cognitive behavioral therapy for patients with obesity <i>Boëlle J. Brouwer, Susanne Kuckuck, Renate Meeusen, Mostafa Mohseni, Carlijn B. M. Kamphuis, Elisabeth F. C. Van Rossum</i>
P04.48	The Well Now course: a service evaluation of a health gain approach to weight management <i>Fiona Clarke, Daryll Archibald, Valerie Mcdonald, Sara Huc, Christina Ellwood</i>
P04.49	Microbial richness before bariatric surgery plays a role in microbial changes after surgery and weight loss in a Mexican population <i>Marcela Rodríguez Flores, Sofía Morán Ramos, Ruth Soriano Cortés, Valeria Soto Fuentes, Amyris Tenorio Quiroz, Miguel Herrera Hernández, Mauricio Sierra Salazar, Carlos Aguilar Salinas, Bárbara Antuna Puente</i>
P04.50	What is the role of the sun's vitamin in "owl subjects" with obesity? Results from a cross-sectional study <i>Annamaria Docimo, Claudia Vetrani, Luigi Barrea, Giulia De Alteriis, Ludovica Verde, Silvia Savastano, Annamaria Colao, Giovanna Muscogiuri</i>
P04.51	The effect of weight regain on glycemic control following bariatric surgery <i>Sara Varela Ribeiro, Telma Moreno, Marta Borges Canha, Maria Manuel Silva, Juliana Goncalves, Helena Urbano Ferreira, Fernando Mendonça, Ana Cristina Santos, Ana Varela, Paula Freitas, Crio Group</i>
P04.52	XRRPY-based obesity wellness intervention (XOWi) might improve HRQoL in Chinese people with obesity <i>Feng Tao, Zhenxiu Liu</i>
P04.53	Effects of sleep manipulation on markers of glucose tolerance and beta-cell function: a systematic review and meta-analysis of randomized controlled trials <i>Nina Sondrup, Kristine Færch, Jane Nygaard Eriksen, Mads Fiil Hjorth, Lars Klingenberg, Anne Ditte Termannsen, Jonas Salling Quist</i>
P04.54	Views of patients with obesity on person-centred care: A Q-methodology study <i>Paige I Crompvoets, Jane M Cramm, Elisabeth F.C van Rossum, Anna P Nieboer</i>
P04.55	Effect of vitamin C and omega-3 polyunsaturated fatty acids on inflammation in adults with obesity: a randomized controlled trial <i>Mohammed Ellulu, Hanen Samouda</i>
P04.56	Weight loss comparison between revision bariatric surgery after failed adjustable gastric banding and primary bariatric surgery - a single-center retrospective cohort study <i>Juliana Gonçalves, João Sérgio Neves, Maria Manuel Silva, Fernando Mendonça, Marta Borges Canha, Telma Moreno, Sara Ribeiro, Catarina Vale, Helena Urbano Ferreira, Sara Gil Santos, Vanessa Guerreiro, Isabel Maia, Ana Varela, Selma Souto, John Preto, Paula Freitas, Davide Carvalho</i>
P04.57	Most Persons With Overweight And Obesity Do Not Seek Medical Help For Obesity Management Despite Presence Of Multiple Co-Morbidities <i>Brij Mohan Makkar, Kirti Soota, Jugal Kishor Sharma, Rajeev Chawla, Vipul Gupta, Girish Khurana</i>
P04.58	Improvements in Physiological and Psychological Status of Patients with Obesity in Response to a Combined Lifestyle Intervention are not Necessarily Related to Successful Weight Loss <i>Mostafa Mohseni, Susanne Kuckuck, Renate Meeusen, Robin Lengton, Eline S. Van Der Valk, Anand M. Iyer, Corjan De Groot, Sjoerd A.a. Van Den Berg, Elisabeth F.c. Van Rossum</i>

POSTER SESSION

- PO4.59** **Clinical Finding on Body Mass Index in an Intellectual Disability Population during Covid-19**
Patricia Boylan, Patricia Walsh, Suzanne Benson, Donal O'shea
- PO4.60** **Predictors of adherence to follow-up after bariatric surgery**
Helena Urbano Ferreira, João Sérgio Neves, Maria Manuel Silva, Fernando Mendonça, Marta Borges Canha, Telma Moreno, Sara Ribeiro, Catarina Vale, Juliana Gonçalves, Sara Gil Santos, Vanessa Guerreiro, Ana Sande, Selma B Souto, Ana Cristina Santos, John Preto, Paula Freitas, Davide Carvalho
- PO4.61** **Effects of GLP-1 R agonists on cardiovascular disease in patients with overweight or obesity, but living without type 2 diabetes: a systematic literature review**
Diederik De Cock, Tine Vergauwen, Bart Van Der Schueren
- PO4.62** **Effect of a very-low-calorie ketogenic diet compared with bariatric surgery and a low-calorie diet of immunity in patients with excessive body weight**
Paula M Lorenzo, Ignacio Sajoux, Andrea G Izquierdo, Diego Gomez Arbelaz, M Angeles Zulet, Itziar Abete, Ana I Castro, Javier Baltar, Maria P Portillo, Francisco J Tinahones, J Alfredo Martinez, Felipe F Casanueva, Ana B Crujeiras
- PO4.63** **Lifestyle changes: a real-world experience**
Nathalia Capellan, Karla Marie Disla, Ann Stephany Sanchez, Ricardo Jose Acra, Jesus Antonio Echavarría, Irina Estela Suero, Gabriella Cuevas, Alicia German, Gabriela Pelletier, Julio Rivas, Alejandro Blaublich, Lloyd Casso, Amelia Nuñez, Maria Fernanda Cedeño, Daniel Camejo, Maria Bell, Jacquelin Diaz, Nepomuceno Abraham Mejia, Dolores Magdalena Mejia
- PO4.64** **Revisonal Surgery in Consecutive Patients Who Had Sleeve Gastrectomy for Morbid Obesity in a Single Center**
Elie K Chouillard, Hager Aref
- PO4.65** **Estimated Glomerular filtration rate corrected for real body surface area may help to quantify the state of glomerular hyperfiltration in subjects with obesity undergoing bariatric surgery: a Retrospective Observational Study**
Giovanni Rossini, Dario Tuccinardi, Maria Quadri, Lavinia Monte, Mikiko Watanabe, Paolo Pozzilli, Nicola Napoli, Silvia Manfrini
- PO4.66** **Single-Incision Sleeve Gastrectomy: The Tailored Technical Approach**
Elie K Chouillard, Hager Aref
- PO4.67** **Long Term Results of the Roux-En-Y Fistulo-Jejunostomy in Patients with Sleeve Gastrectomy Leak**
Elie K Chouillard, Hager Aref
- PO4.68** **Exploring the role of midwives and obstetricians in health promotion in pregnancy: A focus on providing nutrition, gestational weight gain, and physical activity advice**
Shauna Callaghan, Barbara Coughlan, Fionnuala M. McAuliffe
- PO4.69** **Longitudinal evaluation of an mHealth overweight and obesity management tool**
Ida Olivia Juhl Langkjær, Cilius Esmann Fonvig, Louise Aas Holm, Andreas Friis Pihl, Jens Christian Holm
- PO4.70** **Clinical experience with formula combined as pharmacological treatment (in extended release) short-term against obesity**
Oscar Manuel Torres
- PO4.71** **Bariatric surgery induced weight loss and metabolic improvements in Roux-en-Y (RYGB) versus one anastomosis (OAGB) gastric bypass at one year after the operation – A randomized study**
Sini Heinonen, Tuure Saarinen, Sanna Meriläinen, Henna Sammalkorpi, Anne Penttälä, Ulla Kettunen, Minna Koivikko, Milla Rosengård Bärilund, Vesa Koivukangas, Kirsi Pietiläinen, Anne Juuti
- PO4.72** **Disease burden and health status among individuals with severe obesity who do not receive bariatric surgery: a retrospective observational study in the USA**
Jamy Ard, Cecilie Olivia Andersen, Kasper Sommer Matthiessen, Camilla S. Morgen, Naveen Rathor, Deepak Yerragolam, Abd A. Tahrani
- PO4.73** **From bariatric surgery to conception: how long should we wait to optimize foetal weight?**
Bárbara Araújo, Ana Carreira, Mariana Lavrador, Inês Vieira, Luísa Barros, Dircea Rodrigues, Sandra Paiva, Miguel Melo, Isabel Paiva
- PO4.74** **Canagliflozin prevents persistent reactive hypoglycemia after Roux-en-Y-gastric bypass reconversion for postprandial hyperinsulinemic hypoglycemia**
Flores Escobar Vanesa Paola, Cordero Vasquez Efrain, Comas Martinez Marta, Hernandez Hernandez Irene, González Junyent Carla, Fidilio Enzamária, Sanchez Perez Marta, Vilallonga Ramon, Ciudin Andreea

POSTER SESSION

- P04.75** **Hypoglycemia in pregnancies following gastric bypass – a systematic review and meta-analysis**
Louise Laage Laage Stentebjerg, Lene Ring Madsen, René Klinkby Støvning, Claus Bogh Juhl, Christina Anne Vinter, Lise Lotte Torvin Andersen, Kristina Martha Renault, Dorte Møller Jensen
- P04.76** **Pregnancy outcomes after bariatric surgery: should we favour restrictive procedures in women of reproductive age?**
Ana Carreira, Bárbara Araújo, Mariana Lavrador, Inês Vieira, Luísa Barros, Dircea Rodrigues, Sandra Paiva, Miguel Melo, Isabel Paiva
- P04.77** **Can intentional weight loss improve Sarcopenia in patients with Obesity in a real world clinical setting?**
Marwan El Ghoch, Hana Tannir, Leila Itani, Dima Kreidieh, Dana El Masri
- P04.78** **Obesity-related complications and healthcare resource use in six European countries: the RESOURCE survey**
Marc Evans, Joanna De Courcy, Elisabeth De Laguiche, Mads Faurby, Christiane Lundegaard Haase, Adam Moore, Kasper Sommer Matthiessen, Jonathan Pearson–Stuttard
- P04.79** **Direct healthcare costs and presence of obesity-related complications in high-cost and low-cost individuals with obesity over 8 years: a US retrospective cohort study**
Jonathan Pearson–Stuttard, Mitch DeKoven, Elisabeth de Laguiche, Mads Faurby, Christiane Lundegaard Haase, Vamshi Ruthwik Anupindi, Kasper Sommer Matthiessen, Marc Evans
- P04.80** **Healthcare cost progression over 8 years in individuals with obesity in the USA: a retrospective cohort study**
Marc Evans, Elisabeth de Laguiche, Victoria Divino, Mads Faurby, Christiane Lundegaard Haase, Vamshi Ruthwik Anupindi, Kasper Sommer Matthiessen, Jonathan Pearson–Stuttard
- P04.81** **A randomized controlled trial exploring safety and tolerability of sulthiame in sleep apnea**
Kaj Stenlöf, Jan Hedner, Ding Zou, Erik Hoff, Corinna Hansen, Katrin Kuhn, Peter Lennartz, Ludger Grote

E-POSTER PRESENTATIONS

E-POSTER PRESENTATIONS

- EP1.01** **Relationship between the severity of visceral obesity and the severity of the new coronavirus infection caused by SARS-CoV-2**
Elizaveta Skripchenko, Denis Deev, Boris Pinkhasov
- EP1.02** **The gut microbiota composition and metabolic syndrome**
Anna D. Kotrova, Alexandr N. Shishkin, Ivan Yu. Pchelín, Nadezhda S. Lavrenova, Lyubov S. Voropaeva, Nikita S. Gladyshev, Anna S. Droganova, Natalia V. Hudiakova, Ludmila A. Slep'yh, Elena I. Ermolenko
- EP1.03** **Sopaniyakhana extract inhibits oleic acid-induced hepatic lipid accumulation via reducing lipogenesis and promoting fatty acid oxidation**
Chartchai Chaichana, Harizz Salaemae, Theeraphong Yurayat, Jintapa Sueasuy, Pakwuan Wongshaya, Nanta Khumkhana, Wanjan Deekum, Pornpoj Pramyothin
- EP1.04** **Protective role for C3a-des Arg in atherogenesis among patients with central obesity**
Sofya Eliashovich, Batogab Shoibonov, Mikhail Khudyakov, Valida Dadaeva, Oleg Senko, Anna Kuznetsova, Oxana Drapkina
- EP1.05** **Degree of weight loss and risk of obesity-related complications: a retrospective cohort study**
Kamlesh Khunti, Volker Schneck, Christiane Lundegaard Haase, Nina M Harder-Lauridsen, Naveen Rathor, Kasper Sommer, Camilla S Morgen
- EP1.06** **Association between weight change and the risk of developing obesity-related complications: does initial BMI matter?**
Kamlesh Khunti, Volker Schneck, Christiane Lundegaard Haase, Nina M Harder-Lauridsen, Naveen Rathor, Kasper Sommer, Camilla S Morgen
- EP1.07** **The effects of neuronostatin on rodent white preadipocyte differentiation**
Mariami Jasaszwilli, Marek Skrzypski
- EP1.08** **Lysine deficiency aggravates the cardiovascular risk factor**
Carla El-Mallah, Marie-Elizabeth Ragi, Omar Obeid
- EP1.09** **Sustained pro-inflammatory effects of hypoglycaemia in people with type 2 diabetes**
Julia Van Heck, Clementine Verhulst, Therese Fabricius, Rinke Stienstra, Cees Tack, Ulrik Pedersen Bjergaard, Bastiaan De Galan
- EP1.10** **Use of PBMC transcriptomic analysis for the identification of early biomarkers of adiposity-related risk or metabolic recovery after weight loss**
Andrea Costa, Inge Van Der Stelt, Bárbara Reynés, Jadwiga Konieczna, Miquel Fiol, Jaap Keijer, Andreu Palou, Dora Romaguera, Evert M. Van Schothorst, Paula Oliver
- EP1.11** **Effect of vitamin D supplementation on body fat mass in adult people with overweight or obesity: a systematic review and meta-analysis**
Marta Domínguez Álvaro, Ellen Bowen, Arétas B.n. Tonouhewa, Silvia Salado Font
- EP1.12** **Metabolic syndrome remodels high-density lipoprotein lipidome**
Elena Grao Cruces, María Esther Martín Rubio, Sergio Barrientos, Beatriz Bermudez, Sergio Montserrat De La Paz
- EP1.13** **Irisin usefulness to assess subclinical atherosclerosis in extreme obesity and bariatric surgery**
Júlia Carmona Maurici, Natalia Azcona Granada, David Ricart Jané, Elionora Peña, Jorge Juan Olzina Kissler, Juan Antonio Baena Fustegueras, Julia Peinado Onsurbe, Araceli Rosa, Eva Pardina Arrese
- EP1.14** **Metabolic effects of metformin in diet-induced obese rats are mitigated when co-administered with β -sitosterol**
Bárbara Reynés, Mariona Palou, Andreu Palou, Francisca Serra
- EP1.15** **Mitochondrial Respiration during Differentiation of Human Adipose-Derived Mesenchymal Stem Cells into Mature Adipocytes modifies by chronic p,p-DDE**
Iva Kládnická, Miroslava Cedikova, Monika Bludovska, Jan Jedlicka, Pavel Sedlacek, Dana Mullerova, Jitka Kuncova
- EP1.16** **Role of Galectin-1 in adipose tissue development and adipocyte metabolism**
Patricia Torres, Ruth Álvarez, Johan A Fernø, Gunnar Mellgren, Simon N Dankel, Manuel Fresno
- EP1.17** **The effect of metabolic syndrome, age and sex on the metabolome and epigenome functions and interplay: the epigenetic drift in severe obesity**
Serena Pisoni, Anna Maria Di Blasio, Davide Gentilini, Luciano Calzari, Vannina G. Marrachelli, Jose Manuel Morales, Daniel Monleón

E-POSTER PRESENTATIONS

- EP2.01** Exploring Polish women eating behaviours through clustering analysis: comparisons of eating styles clusters in the context of food-based negative emotion regulation, mindful eating and body mass index
Kamila Czepczor Bernat, Justyna Modrzejewska, Adriana Modrzejewska, Paweł Matusik
- EP2.02** Dietary intakes of branched-chain amino acids and odds of obesity in a Chinese Population
Akinkunmi Paul Okekunle, Rennan Feng
- EP2.03** Visceral adiposity index and its association with cancer risk in the UK Biobank cohort
Solange Parra Soto, Jirapitcha Boonpor, Jill P Pell, Frederick Ho, Carlos Celis Morales
- EP2.04** The Interaction Between Personalized Wellness Coach and Participant in An Online Commercial Weight Loss Intervention Program: A Retrospective Analysis
Hung Nguyen Ngoc, Tam Nguyen Thi Thanh, Hau Truong Cong, Dung Nguyen Dang Tuan, Long Phan Bao
- EP2.05** Characteristics and weight loss practices from a cohort of 20,000 patients using direct-to-consumer telehealth
Deborah Bade Horn, Elizabeth Pash, Megan Zhou, Lauren Broffman, Damian Bialonczyk, Tzvi Doron, Elaine Chiquette
- EP2.06** Sensibility and specificity analysis for waist-to-height ratio, body mass index and waist circumference as a screening criterion for metabolic syndrome in an adult North-East Portuguese population
José Eduardo Teixeira, José A. Bragada, João P. Bragada, Joana P. Coelho, Isabel G. Pinto, Luís P. Reis, Laissa S. Saldanha, Carlos M. Duarte, Pedro M. Magalhães
- EP2.07** Food addiction, eating habits and food choices in a sample of college students
Sonia Gonçalves, Filipa Martins, Olivia Lapenta, Eva Conceição, Sílvia Félix
- EP2.08** Association Between A Body Shape Index and Incident Type 2 Diabetes: Findings from The UK Biobank Prospective Cohort Study
Jirapitcha Boonpor, Solange Parra Soto, Frederick K Ho, Stuart R Gray, Carlos Celis Morales
- EP2.09** Weight Loss, Visit-To-Visit Body Weight Variability and Cognitive Function in Older Individuals
Michelle Heleen Zonneveld, Raymond Noordam, Behnam Sabayan, David J. Stott, Simon P. Mooijaart, Gerard J. Blauw, J. Wouter Jukema, Naveed Sattar, Stella Trompet
- EP3.01** Upper Limits of Normal for Serum Alanine Aminotransferase in Screening Non-alcoholic Fatty Liver Disease in Children with Obesity
Yu Cheng Lin, Pi Feng Chang, Yen Hsuan Ni
- EP3.02** APOLO-Teens Facebook-Based Intervention: The Relevance of Adherence to E-therapy for Adolescents with Overweight/Obesity
Sofia M Ramalho, Pedro Saint Maurice, Diana Silva, Helena Mansilha, Eva Conceição
- EP3.03** The prevalence of overweight and obesity in children 5-17 years old in one of the regions of the Russian Federation
Mariia Larionova, Tatiana Kovalenko, Anastasiia Kovalenko
- EP3.04** Gene expression of collagen VI alpha 3 (COL6A3) as indicator of adipose tissue inflammation in early childhood
Robert Mujkić, Darija Šnajder Mujkić, Petar Sušnjara, Ivana Ilić, Anđela Grgić, Dalibor Divković, Kristina Selthofer Relatić
- EP3.05** Relationship between obesity and motor skills in toddlers
Ana Duarte, Maria José Silva, Cláudia Augusto, Silvana Martins, Luís Lopes, Rafaela Rosário
- EP3.07** Youth-led policies as an innovative and essential strategy to tackle childhood obesity in Portugal – the EU H2020 CO-CREATE project
Ana Rito, Inês Figueira, Sofia Mendes
- EP3.08** Long-term outcomes in children born from women with severe obesity that underwent bariatric surgery before pregnancy
Albert Puig, Marta Comas, Eduard Mogas, Enzamaría Fidalgo, Carla Morer, Esther Hernando, Nuria Piera, Fiorella Palmas, Alba Zabalegui, Andreea Ciudin
- EP3.09** Maternal dietary quality in pregnancy and childhood eating behaviours at 5-years-old: Findings from the ROLO longitudinal birth cohort study
Anna Delahunt, Marie C Conway, Shauna L Callaghan, Sharleen L O' Reilly, Fionnuala M McAuliffe
- EP3.10** Assessment of the COVID-19 pandemic impact on the daily routine and behaviours of school age children in Europe - a study within COSI WHO/Europe
Ana Rito, Inês Figueira, Sofia Mendes

E-POSTER PRESENTATIONS

- EP3.11 Predictors of weight loss with liraglutide in adolescents with obesity**
Megan O Bensingor, Carolyn T Bramante, Eric M Bomberg, Claudia K Fox, Paula M Hale, Aaron S Kelly, Rashmi K Mamadi, Nandana Prabhu, Nina M Harder-Lauridsen, Amy C Gross
- EP4.01 Anti-obesity effect of Moringa oleifera: A systematic review**
Eman Saad Alamri, Othman Rashed Alzahrani
- EP4.02 Improvement of metabolic and liver parameters patients with extreme obesity after weight loss program**
Adela Penesova, Miroslav Vlcek, Imrich Richard, Havranova Andrea, Babjakova Jana, Radikova Zofia
- EP4.03 The relationship of Hashimoto thyroiditis and prolactin/cortisol ratio in individuals with obesity**
Feray Akbas, Neval Erol Cicek, Mehmet Emin Piskinpasa, Hanife Usta Atmaca
- EP4.04 Adipose tissue profile in centenarians**
Hassan Massoud Heshmati
- EP4.05 Impact of bariatric surgery on gut microbiome**
Camille Beniga, Hassan Massoud Heshmati
- EP4.06 Assessment of Obesity and Cardiovascular Disease in Patients with Cancer**
Andreea Morosanu, Magdalena Morosanu
- EP4.07 Skin microvascular flowmotion is unaltered in men with abdominal obesity**
Zaida Abad Jiménez, Yvo Ham Kusters, Peter J Joris, Jogchum Plat, Ronald P Mensink, Coen Da Stehouwer, Casper G Schalkwijk, Alfons Jhm Houben
- EP4.08 Oral administration of Gelesis200 significantly decreases body weight in people with prediabetes or type 2 diabetes with overweight or obesity: results of the LIGHT-UP study**
Frank Lyons Greenway, Sam Stanley Miller, Erika Matejkova, Barry Mclean, Witold Zmuda, Pawel Bogdanski, Malgorzata Arciszewska, Anders Mikael Sjödin, Judith Salz, Anna Bochenek Mularczyk, Lorena Lewy Alterbaum, Peter Weissman, Michael Bain Butcher, Livio Luzi, John Paul Howard Wilding, Harry Leider, Yishai Zohar, Alessandro Sannino, Cosimo Saponaro, Henry Wilson Calderon, Lorien E Urban, Hassan Massoud Heshmati
- EP4.09 Community health and social care service utilisation by people with severe obesity: a micro-costing study**
Kath Williamson, David Blane, Eleanor Grieve, Mike Lean
- EP4.10 Dietary assessment of type-2 diabetes in Africa: a systematic scoping review**
Chinwe Adaugo Uzokwe, Bassey E Ebenso, Janet E Cade
- EP4.11 Improvement of Framingham 10-year risk score in an obese population undergoing bariatric surgery: single centre experience in a Tertiary Care Hospital-Sri Lanka**
Dilini Abeyratne, Vindya Wellala, Udai Wijethunga, C K Alahakoon, Ganidu Abeysinghe, Gowri Ratnayake, Chaminda Garusinghe, Niranjala Meegodwidanage, Thejana Wijeratne, Uditha Bulugahapitaya
- EP4.12 Assessing the efficacy of a Weight Loss Maintenance Program for Adults with Obesity: Preliminary results after 6 months**
Vanessa Pereira, Marta Silvestre, André Moreira Rosário, Inês Barreiros Mota, Filipa Cortez, Conceição Calhau
- EP4.13 PROTEIN: First Pilot of personalized nutrition for healthy living for people with type 2 diabetes**
Elena Lalama, Saskia Wilson Barnes, Lazaros Gymnopoulos, Kosmas Dimitropoulos, Kiriakos Stefanidis, Dorothea Tzatsou, Yannis Oikonomidis, Stelios Hadjimiditriou, Jose Maria Botana, Eugenio Mantovani, Saverio Gravina, Veronique Cornelissen, Ion Pagkalos, Sofia Balula Dias, Kath Hart, Pedro Bacelar, Andreas F. H. Pfeiffer
- EP4.14 Safety and tolerability of Gelesis200 in the management of overweight and obesity in people with prediabetes or type 2 diabetes: comprehensive analysis of the LIGHT-UP study**
Pawel Bogdanski, Frank Lyons Greenway, Sam Stanley Miller, Erika Matejkova, Barry Mclean, Witold Zmuda, Malgorzata Arciszewska, Anders Mikael Sjödin, Judith Salz, Anna Bochenek Mularczyk, Lorena Lewy Alterbaum, Peter Weissman, William Benjamin Smth, Michael Bain Butcher, Mihaly Dudas, Livio Luzi, Harry Leider, Yishai Zohar, Alessandro Sannino, Henry Wilson Calderon, Lorien E Urban, Hassan Massoud Heshmati
- EP4.15 Early prediction of clinically significant weight loss with Gelesis200 in overweight and obesity in people with prediabetes or type 2 diabetes in the LIGHT-UP study**
Howard Lawrence Golub, Frank Lyons Greenway, Sam Stanley Miller, Erika Matejkova, Barry Mclean, Witold Zmuda, Pawel Bogdanski, Malgorzata Arciszewska, Anders Mikael Sjödin, Judith Salz, Anna Bochenek Mularczyk, Lorena Lewy Alterbaum, Michael Bain Butcher, Jeffrey Wayne Stephens, Madhavi Ampajwala, Livio Luzi, John Paul Howard Wilding, Harry Leider, Yishai Zohar, Alessandro Sannino, Henry Wilson Calderon, Hassan Massoud Heshmati

E-POSTER PRESENTATIONS

- EP4.16 **Impact of metabolic syndrome on the ambulatory arterial stiffness index in a population of hypertensive patients**
Khansa Derbel, Sana Sellami, Soumaya Khaldi, Faten Chaieb
- EP4.17 **The use of Facebook in the promotion of a stepped care longitudinal support program to prevent weight regain after bariatric surgery – a study protocol**
Marta de Lourdes, Andreia Ribeiro, Paulo P.P. Machado, Eva Conceição
- EP4.18 **Orthostatic hypotension and obesity in hypertensive population: implication of the autonomic nervous system**
Khansa Derbel, Soumaya Khaldi, Sana Sellami, Faten Chaieb
- EP4.19 **Association between obesity and heart rate variability in a hypertensive Tunisian population**
Soumaya Khaldi, Khansa Derbel, Sana Sellami, Faten Chaieb
- EP4.20 **Metabolic dysfunction in obstructive sleep apnea: implication of obesity related disorders**
Khansa Derbel, Soumaya Khaldi, Balsam Barkous, Fatma Guezguez, Amani Sayhi, Sonia Rouatbi
- EP4.21 **Evaluation of lung function in obese patients with obstructive sleep apnea-hypopnea syndrome**
Balsam Barkous, Soumaya Khaldi, Khansa Derbel, Amani Sayhi, Fatma Guezguez, Sonia Rouatbi
- EP4.22 **Which Impact of Body mass index on the respiratory profile of obese patients?**
Soumaya Khaldi, Amani Sayhi, Khansa Derbel, Balsam Barkous, Fatma Guezguez, Sonia Rouatbi
- EP4.23 **The effects of obesity on airway inflammation and pulmonary volumes**
Soumaya Khaldi, Khansa Derbel, Amani Sayhi, Balsam Barkous, Fatma Guezguez, Sonia Rouatbi
- EP4.24 **Differential effect of bariatric surgery on plasma levels of ANGPTL3 and ANGPTL4**
Simone Bini, Laura D'erasmo, Brenno Astiarraga, Ilenia Minicocci, Maria Palumbo, Valeria Pecce, Rebecca A Haeusler, Marcello Arca, Ele Ferrannini, Stefania Camastra
- EP4.25 **Presence of NAFLD after RYGB is positively associated to Erythrocyte Sedimentation Rate (ESR) and Fatty Liver Index (FLI)**
Maria Palumbo, Chiara Barbieri, Virna Zampa, Erica Gherardini, Fabrizia Carli, Rossana Berta, Rosario Bellini, Amalia Gastaldelli, Stefania Camastra
- EP4.26 **Roux-en-Y Gastric Bypass and Vertical Sleeve Gastrectomy Showed Similar Efficacy in Achieving Cardiometabolic Composite Target in Subject with Type 2 Diabetes Undergoing Bariatric Surgery**
Lavinia Monte, Dario Tuccinardi, Giovanni Rossini, Mikiko Watanabe, Paolo Pozzilli, Nicola Napoli, Silvia Manfrini
- EP4.27 **Correlation between lean mass and bone mineral density before and after bariatric surgery**
Elisabeta Malinici, Anca Sirbu, Miruna Popa, Theodor Mustata, Sorina Martin, Bogdan Smeu, Catalin Copaescu, Simona Fica
- EP4.28 **Individuals with type-2-diabetes experience distinct HbA1c improvement and BMI reduction in response to SGLT-2/GLP-1 use**
Nicole Prinz, Julia M Grimsman, Katharina Laubner, Kathrin Niemöller, Reinhard W Holl
- EP4.29 **Impact of Digital Twin technology based on Artificial Intelligence (AI) and Internet of Things (IoT) technologies on diabetes remission and correlation between progressive weight loss with Insulin resistance, waist circumference, and fasting insulin**
Shashank Joshi, Jahangir Mohammed, Maluk Mohamed, Terrence Poon, Mala Dharmalingam, Arun Vadavi, Ashok Keshavamurthy, Suresh Damodaran, Suchitra Bhonsley, Mohamed Thajudeen, Paramesh Shamanna

LATE BREAKING POSTERS

LATE BREAKING POSTERS

- LBP1.01** **MUFA intake may counteract decreased miR-17-5p found in women with high body fat.**
María De Lucas, Joan Roig, Andreu Palou, Juana Sánchez, Francisca Serra
- LBP1.02** **Oxytocin levels predict body weight loss in patients with obesity after a very low carbohydrate ketogenic diet (VLCKD).**
Rossella Tozzi, Rebecca Rossetti, Angela Balena, Davide Masi, Renata Risi, Mikiko Watanabe, Stefania Mariani, Lucio Gnessi, Carla Lubrano
- LBP1.03** **Circulating SIRT1 and sclerostin correlates with bone status in young women with different degrees of adiposity**
Rossella Tozzi, Davide Masi, Maria Elena Spoltore, Fiammetta Cipriani, Savina Contini, Sabrina Basciani, Mikiko Watanabe, Carla Lubrano, Lucio Gnessi, Stefania Mariani
- LBP1.04** **The action of WAY163909, central selective serotonin receptor agonist, in obese and diabetic Wistar rats**
Ivaylo Atanasov Bogomilov, Nadka Boyadjieva, Rumen Nikolov, Vesela Mihneva, Ivona Daskalova
- LBP1.05** **IGF1-zSDS in patients suffering from obesity with or without metabolic syndrome: a cross-sectional study in 2032 subject**
Davide Masi, Renata Risi, Rossella Tozzi, Elena Gangitano, Mikiko Watanabe, Stefania Mariani, Lucio Gnessi, Carla Lubrano
- LBP1.06** **MRI intensity and pituitary volume predict adult-onset growth hormone deficiency in patients with obesity and overweight: a new potential tool guiding subsequent diagnostic testing**
Davide Masi, Renata Risi, Angela Balena, Rossella Tozzi, Alessandra Caputi, Elena Gangitano, Stefania Mariani, Lucio Gnessi, Carla Lubrano
- LBP1.07** **Pregnane X receptor - 4 β -hydroxycholesterol axis in the regulation of overweight and obesity-induced hypertension**
Roosa Rahunen, Outi Kumm, Vesa Koivukangas, Heidi Hautajärvi, Jukka Hakola, Jaana Rysä, Janne Hukkanen
- LBP1.08** **Chitosan/Gelatin/PVA scaffolds to mimic the pancreatic environment**
Yessenia Sanchez Cardona, Claudia Echeverri Cuartas, Martha Elena Londoño López, Natalia Moreno Castellanos
- LBP1.09** **Physalis peruviana extract as a novel treatment for obesity**
Katherin Bonilla Carvajal, Alberto Ángel Martín, Natalia Moreno Castellanos
- LBP1.10** **Selenium upregulates selenoproteins gene expression while downregulating Glut4 expression in hypertrophic adipocytes**
Priscila Barbosa, Teodora Stoyanova, Giovanna Bermano
- LBP1.11** **Role of incretins, gut microbiota and permeability in the remission of type 2 diabetes mellitus after bariatric surgery**
Laura Hernández Montoliu, Rocío Puig, Silvia Pellitero, Joan Vendrell, Sonia Fernández Veleo, Fernando Guerrero, Anna Vidal, M. Mar Rodríguez, Rosa Montseny, Núria Vilarrasa
- LBP1.12** **Cross-sectional study of the association between circulating sex hormone-binding globulin levels and selected adipokines in women with PCOS**
Grzegorz Franik, Aleksander Jerzy Owczarek, Piotr Kocelak, Dariusz Ciura, Leszek Markuszewski, Paweł Madej, Jerzy Chudek, Magdalena Olszanecka Glinianowicz
- LBP1.13** **The cut-off value for HOMA-IR discriminating the insulin resistance based on the SHBG level in women with polycystic ovary syndrome**
Aleksandra Biernacka Bartnik, Piotr Kocelak, Aleksander Jerzy Owczarek, Piotr Choreża, Leszek Markuszewski, Paweł Madej, Monika Puzianowska Kuźnicka, Jerzy Chudek, Magdalena Olszanecka Glinianowicz
- LBP1.14** **Telomere shortening improves insulin sensitivity in mice**
Ahmed Elagamy Mohamed Mahmoud Khalil, Xue Liu, Siegfried Ussar, Siegfried Ussar
- LBP1.15** **Development and validation of a questionnaire that evaluates water balance in nursing women, the Water Balance Questionnaire-Nursing (WBQ-N)**
Emmanouil Niaos, Fotini Xenaki, Maria Kapsokefalou, Olga Malisova
- LBP1.16** **Impact of Obstructive Sleep Apnea on COVID-19 and exercise**
Bafael Knack, Talie Hanada, Renata Knack, Denilson Fomin, Kamilla Mayr, Thiago Omena, Gil Lucena
- LBP1.17** **Association between adiposity distribution and sub-clinical systemic inflammation: a cross-sectional study on the EPITeen cohort**
Vanda Craveiro, Milton Severo, Joana Araújo, Elisabete Ramos
- LBP1.18** **Obesity is associated with reduced neuronal habituation patterns to milkshake tastes and cues, but increased habituation to water cues**
Marinka M.G. Koenis, Dale S. Bond, Pavlos K. Pappasavas, Darren S. Tishler, Godfrey D. Pearson

LATE BREAKING POSTERS

- LBP1.19** **Prevalence of hypothyroidism in patients with metabolic syndrome**
Vesela` Stancheva Mihneva, Ivaylo Atanasov Bogomilov, Ivona Kirilova Daskalova
- LBP1.20** **DNA repair deficiency as key player in the development of obesity**
Sabine A.S. Langie, Roger W.L. Godschalk, Kasper W.J. Derks, Mariëman Edwin, Frederik Jan Van Schooten
- LBP1.21** **Gut microbiota-derived plasma lipopolysaccharides are related to altered glycemic status and specific gut bacterial groups during H. pylori infection**
Mercedes Clemente Postigo, Gracia María Martín Nuñez, María Mar Roca Rodríguez, Leticia Coin Araguez, Isabel Moreno Indias, Isabel María Cornejo Pareja, Francisco J Tinahones
- LBP1.22** **Evaluation of the expression of epigenetic regulators in the adipose tissue of obese subjects candidates for bariatric surgery**
Carmela Asteria, Giorgia Scichilone, Simona Pedrotti, Davide Gabellini, Alessandro Giovannelli
- LBP2.01** **Reformulating the energy content of foods: a powerful and equitable approach to reducing daily energy intake and obesity prevalence?**
Eric Robinson, Tess Langfield, Andrew Jones
- LBP2.02** **Early life factors associated with appetitive traits in infancy: findings from a Portuguese cohort (BiTwin)**
Alexandra Costa, Sarah Warkentin, Cláudia Ribeiro, Milton Severo, Elisabete Ramos, Marion Hetherington, Andreia Oliveira
- LBP2.03** **The Effect of Front of Package Nutrition Labeling on Food Sales in Israel**
Michal Kasher Meron, Moran Blaychfeld Magnazi, Ayelet Kol, Gaya Opher, Ronit Endevelt
- LBP2.04** **A holistic approach about public health regarding obesity and sustainability**
Bruno Abreu, João Lima
- LBP2.05** **Overweight and obesity are prevalent among kidney transplant recipients, and adherence to Mediterranean Diet is low, regardless of weight status**
Gabriele Porchetti, Caterina Conte
- LBP2.06** **Weight stigma in Latin America and the Caribbean, Asia, the Middle East, and Africa: a scoping review**
Laura Ann Eggerichs, MMSc, RD, Oliver W.A. Wilson, PhD, John E Chaplin PhD, Assoc. Professor, Ximena Ramos Salas, PhD
- LBP2.07** **Systematic review on associations between genotype and the glycemic response to an oral glucose tolerance test**
Sandra Bayer, Anna Reik, Lena Von Hesler, Hans Hauner, Christina Holzappel
- LBP2.08** **Obesity, body perception and body satisfaction in high school students and risk of psychiatric contacts with the hospital**
Maja Bramming, Janne Schurmann Tolstrup
- LBP2.09** **Changes in adult obesity prevalence in Denmark from 1987 to 2017: Age-period-cohort analysis of nationally representative data**
Stine Schramm, Thorkild I.a. Sørensen, Michael Davidsen, Janne S. Tolstrup
- LBP2.10** **Validity of self-reported height and weight to assess body mass index in the Portuguese population**
Carolina Capitão, Raquel Martins, Ana Virgolino, Osvaldo Santos
- LBP2.11** **Sex-specific dose-response relationships between obesity and incidence of fractures**
Anne Frederique Turcotte, Sonia Jean, Suzanne Morin, Fabrice Mac Way, Claudia Gagnon
- LBP2.12** **Obesity as an exposure or an outcome in epidemiological research: a summary of results from the French NutriNet-Santé cohort**
Pauline Duquenne, Junko Kose, Léopold K. Fezeu, Julia Baudry, Emmanuelle Kesse Guyot, Chantal Julia, Pilar Galan, Sandrine Péneau, Jean Michel Oppert, Serge Hercberg, Mathilde Touvier, Valentina A. Andreeva
- LBP2.13** **Eating behaviors among university students in Poland**
Julia Suwalska, Pawel Bogdański
- LBP2.14** **Let's talk about our weight? – Obesity/overweight within the couples' communication**
Inês Queiroz Garcia, Madalena Proença, Filipa Pimenta, João Marôco, Amy Gorin
- LBP3.01** **Building Capacity for Child and Adolescent Obesity Treatment in Ireland: Sláintecare Project Outcomes to Date**
Niamh Arthurs, Cathy Wyse, Grainne Dowdall, Lois McCrea, Lucinda Case, Norah Jordan, Clodagh S. O'Gorman, Sarah Browne, Ellen Stuart, Jean M. O'Connell, Cathy Breen, Róisín Doogue, Catriona O'Daly, Brendan O'Shea, Grace O'Malley

LATE BREAKING POSTERS

- LBP3.02** **ACTION Teens global survey: participant characteristics and key information sources for adolescents living with obesity, caregivers and healthcare professionals**
Claudio Maffei, Louise A Baur, Abdullah Bereket, Bassam Bin-Abbas, Walter Chen, Fernando Fernández-Aranda, Nayely Garibay Nieto, Jason C G Halford, Juan Pedro López Sigüero, Vicki Mooney, Cynthia Karenina Osorto, Ricardo Reynoso, Young-Jun Rhie, Martin Toro-Ramos
- LBP3.03** **Evaluation of the impact of the COVID-19 lockdown on BMI in children and adolescents with or without obesity**
Albane Bertha Rosa Maggio, Claudine Gal Dudding, Xavier Eric Martin, Catherine Chamay Weber
- LBP3.04** **Does Liraglutide consider being a possible therapy option of therapy-refractory obesity in adolescents?**
Nikola Bobot, Dirk Johannes Büchter, Katrin Heldt, Katharina Glock, Dagmar l'Allemand
- LBP3.05** **Nonalcoholic Fatty Liver Disease and Continuous Metabolic Syndrome in Adolescents with Overweight/Obesity**
Sofia Ferreira, Joana Mendes, Daniela Couto, Carla Régio
- LBP3.06** **ACTION Teens global survey: attitudes about obesity and weight loss among adolescents living with obesity, caregivers and healthcare professionals**
Fernando Fernández-Aranda, Louise A Baur, Abdullah Bereket, Bassam Bin-Abbas, Walter Chen, Nayely Garibay Nieto, Jason C G Halford, Juan Pedro López Sigüero, Claudio Maffei, Vicki Mooney, Cynthia Karenina Osorto, Ricardo Reynoso, Young-Jun Rhie, Martin Toro-Ramos
- LBP3.07** **To what extent do the dietary patterns of young people taking part in the FUEL study meet the requirements of a global planetary health diet?**
Ankita Gupta, Miranda Pallan, Marie Murphy
- LBP3.08** **Weight gain in children during the COVID-19 pandemic, and the protective effect of lifestyle intervention in children with obesity**
Judith Lubrecht, Lisanne Arayess, Dorien Reijnders, Marijn Hesselink, Gabrielle Ten Velde, Arieke Janse, Ines Von Rosenstiel, Edgar Van Mil, Marjoke Verweij, Anita Vreugdenhil
- LBP3.09** **The state of empowerment counselling for healthy family lifestyles in well-child visits from the families' and nurses' perspectives: a cross sectional survey**
Sónia Borges Rodrigues, Heidi Parisod, Ricardo Borges Rodrigues, Luísa Barros, Sanna Salanterä
- LBP3.10** **Evaluation of Sahtak bi Sahnak, the first secondary school-based nutrition programme for Lebanese adolescents aged 15-18 years**
Liliane Said, Jessica S. Gubbels, Stef Pj. Kremers
- LBP3.11** **Evidence for the Protein Leverage Hypothesis in Young Children Prone to Obesity: A Cohort Analysis From the 'Healthy Start' Study**
Hanyue Zhang, Alistair M Senior, Christoph Saner, Nanna J Olsen, Sofus C Larsen, David Raubenheimer, Stephen J Simpson, Berit Lilienthal Heitmann
- LBP3.12** **Comparison Analysis of Morbidly obese Pre-Op Childhood onset obese patients and adult-onset obese patients separately vs post-Operational 9 months weight and BMI whose underwent bariatric surgeries in Tertiary care Hospital- Sri Lanka.**
Ganindu Kalpa Abeysinghe, Lahiru Rajitha Wijetunga, Thejana Kamil Wijeratne, Udai Wijetunga, Dilini Abeyratne, Malaka Chamal Samarasinghe, Garuni Hansapani Abeysinghe
- LBP3.13** **Developing a communication toolkit for primary care health professionals working in obesity management for children and adolescents**
Maeve O'Brien, Grace O'Malley
- LBP3.14** **A psychosocial and lifestyle assessment for childhood obesity: A scoping literature review and focus groups with healthcare professionals**
Leandra Koetsier, Emma Van Den Eynde, Edgar Van Mil, Marianne Van Der Velde, Public Health Service Of Amsterdam, Po Box 2200, 1000 Ce Amsterdam, Netherlands De Vries, Caroline Baan, Jaap Seidell, Jutka Halberstadt
- LBP3.15** **Serum levels of the novel adipokine isthmin-1 are associated with obesity in pubertal boys**
Ruiz Qjeda Francisco Javier, Anguila Ruiz Augusto, Rico Maria Cruz, Leis Rosaura, Bueno Gloria, Gil Campos Mercedes, Gil Angel, Aguilera M. Concepción
- LBP3.16** **Early life body weight and duration of being breastfed is associated with greater educational attainment in adulthood**
Lise G Bjerregaard, Torben S D Johansen, Christian M Dahl, Miriam Wust, Jennifer L Baker

LATE BREAKING POSTERS

- LBP3.17** **Outcome of anti-obesity medication trials in adolescents may depend on the body mass index metric used**
Craig M Hales, Cynthia L Ogden, David Freedman, Nandana Prabhu, Paula M Hale, Rashmi K Mamadi, Aaron Kelly
- LBP3.18** **Liraglutide as a rapidly effective treatment option for refractory severe obesity in adolescents?**
Nikola Bobot, Dirk Johannes Büchter, Katrin Heldt, Katharina Glock, Dunja Wiegand, Dagmar l'Allemand
- LBP3.19** **Executive Functions and Disordered Eating Behaviors in Adolescents with Overweight/Obesity**
Eva M Conceição, Oriana Francisco, Andreia Ribeiro, Joana Pinheiro, Sílvia Félix, Marta De Lourdes, Diana Silva, Sofia Ramalho
- LBP3.20** **Composition and metabolic activity of the microbiota of the large intestine in obese children and adolescents.**
Oxana Olevnik, Iulia Samoilova, Maria Matveeva, Elena Sagan
- LBP3.21** **Body composition in Portuguese sedentary males - Comparative study between normal weighted and overweight adolescents**
João Pedro Pinheiro, Luis Pedro Ribeiro, Manuel João Coelho E Silva
- LBP3.22** **Childhood overweight management: 3 out of 4 reduce their degree of overweight and concomitantly 3 out of 4 reduce their degree of hepatic steatosis**
Rebecca Berg Pedersen, Maria Martens Fraulund, Elizaveta Chabanova, Torben Hansen, Henrik S. Thomsen, Jens Christian Holm, Cilius Esmann Fonvig
- LBP3.23** **Perspectives of healthcare professionals on barriers and facilitators of optimal support and care within an integrated care approach for children with obesity**
Emma van den Eynde, Bibian van der Voorn, Leandra Koetsier, Hein Raat, Jaap Seidell, Jutka Halberstadt, Erica van den Akker
- LBP4.01** **Effects of oral ingestion of drinking water using a far-infrared-emitting tumbler on lipid profile and insulin resistance in adults: a pilot randomized double-blind sham-controlled trial**
Ye Li Lee, Sang Yeoup Lee
- LBP4.02** **The food that flexes the blood vessels**
Burya Tal, Mariana Yaron, Gabi Shefer, Jessica Sack, Yonit Marcus, Yael Sofer, Lili Shefer, Limor Ben Haim, Naftali Stern
- LBP4.03** **20 years' cohort study of cost and effectiveness of obesity health care and bariatric surgery. Future costs and clinical outcomes trends with Microcosting and Interrupted Time-Series Analysis**
José Antonio Orellana Turri, José Maria Soares Jr, Edmund Chada Baracat, Marco Aurelio Santo, Flavia Mori Sarti
- LBP4.04** **Setmelanotide in Patients With Heterozygous POMC, LEPR, SRC1, or SH2B1 Obesity: Design of EMANATE – A Placebo-Controlled Phase 3 Trial**
Sadaf Farooqi, Jesús Argente, Erica Van Den Akker, Guojun Yuan, Olga Ohayon, Cecilia Scimia, Martin Wabitsch
- LBP4.05** **Effectiveness of SARS-CoV-2 vaccines in people with severe obesity**
Zehra Kara, Rüveyda Akçin, Ahmet Numan Demir, Harika Öykü Dinç, Halit Eren Taşkın, Bekir Kocazeybek, Volkan Demirhan Yumuk
- LBP4.06** **Adaptation of the Canadian Adult Obesity Clinical Practice Guidelines for Ireland**
Cathy Breen, Miguel Alejandro Saquimux, Olivia Porter, Jean O'connell, Susie Birney, Donal O'shea, Karen Gaynor, Ximena Ramos Salas
- LBP4.07** **Alginate/chitosan/genipin scaffold functionalized with VEGF with high potential for in vitro culture of beta-pancreatic cells.**
Manuela Betancur Rodriguez, Claudia Echeverri Cuartas, Martha Londoño López, Natalia Rocio Moreno Castellanos
- LBP4.08** **Metformin on the treatment of obesity: advantage usage or potential side effects?**
Bruno Abreu, Margarida Proença, Ana Lúcia Baltazar, João Lima, Sónia Fialho
- LBP4.09** **Association between usual dietary intake and postprandial glucose response to an oral glucose tolerance test – a cross-sectional analysis of the enable cohort**
Anna Reik, Beate Brandl, Gunther Schaubberger, Nina Wawro, Jakob Linseisen, Thomas Skurk, Dorothee Volkert, Hans Hauner, Christina Holzapfel
- LBP4.10** **Safety and Efficacy of Setmelanotide in Patients With Hypothalamic Obesity: Phase 2 Trial Design**
M. Jennifer Abuzzahab, Cecilia Scimia, Sarah Lekaditis, Brittany Machus, Sue Kearns, Christian L. Roth
- LBP4.11** **Body mass index (BMI) has low sensitivity in detection of obesity defined as excess body fat in Polish women**
Aniceta Brzozowska, Wojciech Gruszka, Aleksander Jerzy Owczarek, Jerzy Chudek, Magdalena Olszanecka Glinianowicz

LATE BREAKING POSTERS

- LBP4.12** **New-Onset SARS-COV-2 Diabetes in obese hospitalized patients. COVID19 related retrospective database study.**
Desimira Sotirova Mironova
- LBP4.13** **Weight reduction through digital obesity therapy: First results from Germany's digital health applications (DiGA)**
Felix Schirrmann, Tobias Larsen, Stefan Schmidt, Lucy Jones
- LBP4.14** **The effect of a low energy ketogenic diet on pain and quality of life in females with lipedema – a randomized controlled trial**
Julianne Lundanes, Frida Sandnes, Kari Hanne Geilo, Ingvild Hansen Ivan, Patrik Hansson, Åsne Ask Hyldmo, Catia Martins, Siren Nymo
- LBP4.15** **Adiponectin/leptin ratio, a marker of adipose tissue dysfunction, is an independent predictor of insulin resistance in adults with obesity**
Inês Castela, Juliana Morais, Inês Barreiros Mota, Marta P. Silvestre, Cláudia Marques, Catarina Rodrigues, Shámila Ismael, João R. Araújo, Miguel Ângelo Dias, Catarina Martins, Luís Miguel Borrego, Rosário Monteiro, Sílvia Ribeiro Coutinho, Conceição Calhau, Cátia Martins, Ana Faria, Diogo Pestana, Diana Teixeira
- LBP4.16** **The evolution of Allurion program for long term weight loss: from virtual monitoring to a virtual care suites**
Roberta Jenca, Cristiano Giardiello, Rita Schiano Di Cola, Michele Rosa, Girish Juneja, Faruq Badiuddin, Alberto Pagan, Sebastien Murcia, Andrea Formiga, Alessandra Freda, Adelardo Caballero
- LBP4.17** **Swallowable gastric balloon and nutritional education. The key for the management of excessive weight**
Sônia Ruiz Pérez, Anna Vila Moix, Hector Vergara Badia, Roman Turró Arau, Jesús Turró Homedes, Jorge Espinós Pérez, Sandra Andrés Valero
- LBP4.18** **Insulin-resistance does not predict early weight regain following a simplified Very Low Calorie Ketogenic Diet (VLCKD) for obesity management: preliminary results from the KOBE study**
Valentino Osti, Francesca Alessandra Barbanti, Laura Leoni, Federica Sacilotto, Giulia Bocedi, Federico Ravioli, Lucia Brodosi, Loris Pironi, Maria Letizia Petroni
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Fabian Nehls, Vasiliki Christogianni, Martin Buesing
- LBP4.20** **Prevalence of dental caries in overweight adults and obese in Sofia**
Maria Georgieva Nikolova, Lilia Borisova Doichinova, Dimitar Nikiforov Kirov, Elka Nikolaeva Radeva, Biser Borisov Stoichkov
- LBP4.21** **Dietary intake of vitamin D and dental caries in adults overweight and obese**
Maria Georgieva Nikolova, Lilia Borisova Doichinova, Dimitar Nikiforov Kirov, Elka Nikolaeva Radeva, Biser Borisov Stoichkov
- LBP4.22** **Students attitude toward communication with an obese person: how to tell the truth without hurting the patient's feelings**
Maja Baretić, Nora Rako, Martina Matovinović
- LBP4.23** **Effective dietary preparation of the patients before bariatric surgery**
Olena Baka, Oleksandr Plehutsa, Oleksandr Kalashnikov, Sergei Kosiukhno, Oleksyi Potapov, Kateryna Khorevina, Ivan Todurov
- LBP4.24** **Obesity duration and lipid profile among moderate risk patients.**
Sofya O. Eliashevich, Batogab B Shoibonov, Mikhail B Khudyakov, Valida A Dadaeva, Oxana M Drapkina
- LBP4.25** **The evaluation of zanadio - a digital health application for people with obesity**
Lena Roth, Annette Horstmann
- LBP4.26** **Main findings in nutrients intake by BMI and gender**
Eszter Halmj
- LBP4.27** **Resting Energy Expenditure Does not Decrease After Weight Loss With GLP-1 Agonist Liraglutide in Individuals With Obesity**
Mostafa Mohseni, Mila Welling, Renate E.H. Meeusen, Wietske G.C. Broeders, Eline S. Van Der Valk, Elisabeth F.C. Van Rossum

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