

# EASO

European Association for the Study of Obesity



# ECO ONLINE 2021

28<sup>TH</sup> EUROPEAN CONGRESS ON OBESITY

10-13 MAY, 2021

**PROGRAMME** BOOK

#ECO2021

[www.eco2021.com](http://www.eco2021.com)



## BASIC SCIENCE - 10 MAY 2021, MONDAY

10:10-11:00	<b>ECO2021 Welcome &amp; Plenary with Meet the Expert Q&amp;A: Central regulation of metabolism</b>		<b>ROOM 1</b>
	<b>Chairs:</b> Maria Del Mar Malagon (Spain), Ellen Blaak (Netherlands)		
10:15-11:00	Central regulation of metabolism		C Diéguez (Spain)
11:00-11:30	<b>Movement Break, Coffee and Topic Forum Discussions</b>		<b>ROOM 1</b>
11:30-12:30	<b>Topic Session: Central regulation of metabolism</b>		<b>ROOM 1</b>
	<b>Chairs:</b> Carlos Diéguez (Spain), Gabriella Lieberman (Israel)		
11:30-11:50	TS01.01	Control of Integrative Physiology by the Melanocortin Circuitry	J Brüning (Germany)
11:50-12:10	TS01.02	Astrocytes and metabolism	J Chowen (Spain)
12:10-12:20	TS01.03	Assessing Fat-free Mass at the Tissue-Organ Level Better Explains the Between-Subject Variance in Fasted Hunger Sensations: An Exploratory Study Using Magnetic Resonance Imaging in Healthy Men	N Casanova (UK)
12:20-12:30	TS01.04	Fgf21 influence on food choice and hypothalamic gene expression in obese male and female mice	P Orlov (Russia)
11:30-12:30	<b>Topic Session: Obesity &amp; Cancer</b>		<b>ROOM 2</b>
	<b>Chairs:</b> Britt Wang Jensen (Denmark), Jørn Sagen (Norway)		
11:30-11:50	TS02.01	Tissue-specific functions of the inflammasomes in colon cancer development in an obesity context	V Catalan (Spain)
11:50-12:10	TS02.02	The inflammation state as main drivers of aberrant DNA-RNA methylation in colorectal cancer	M Macias (Spain)
12:10-12:20	TS02.03	Six adiposity-related markers associations with incidence from 24 cancers – Findings from the UK Biobank prospective cohort study	S Parra Soto (UK)
12:20-12:30	TS02.04	Body mass index in childhood and its associations with risks of pre- and post-menopausal breast cancer	D C Pedersen (Denmark)
11:30-12:30	<b>Accepted Symposium: Different approaches towards personalised nutrition – status quo and future directions</b>		<b>ROOM 3</b>
	<b>Chairs:</b> Christina Holzapfel (Germany), Christine Dawczynski (Germany)		
11:30-11:45	AS1.01	Personalized nutrition based on deep phenotyping and on smart techniques for weight management	C Holzapfel (Germany)
11:45-12:00	AS1.02	Approaching precision nutrition by tailoring the microbiota	M Christine Simon (Germany)
12:00-12:15	AS1.03	Nutrition-associated oxidative posttranslational modifications – potentials and limitations	A Henze (Germany)
12:15-12:30	AS1.04	Development and validation of individualized nutritional concepts to support prevention and therapy	C Dawczynski (Germany)
11:30-12:30	<b>EASO Workshop: Killing statistical zombies (for good)</b>		<b>ROOM 4</b>
	<b>Chair:</b> Paul Christiansen (UK)		
11:30-12:30	How to identify and avoid bad practice and poor choices in statistical analysis		P Christiansen (UK)



## BASIC SCIENCE - 10 MAY 2021, MONDAY

14:00-15:00	Abstract Discussion Session: Integrative Pghysiology I		ROOM 1
	Chairs: Harriet Schellekens (Ireland), Emanuel Canfora (Netherlands)		
14:00-14:07	AD01.01	Age - and sex - specific adaptation to sweet-fat diet consumption in mice	N Bazhan (Russia)
14:07-14:14	AD01.02	Sex-specific effect of FGF21 administration on hepatic steatosis in obese mice with {Lethal yellow} mutation	N Y Balybina (Russia)
14:14-14:21	AD01.03	Gut microbiota from patients with obesity who underwent a bariatric surgery could prevent of future weight regain under an obesogenic environment in a procedure manner. A fecal microbiota transplant proof of concept in mice	M Indias (Spain)
14:21-14:28	AD01.04	Serpina3c deficiency promotes High-Fat Diet-induced steatohepatitis through mediating necroptosis via $\beta$ -catenin/FOXO1	L Qian (China)
14:28-14:35	AD01.05	Reshaping gut microbiota composition and bile acid signalling as beneficial mechanisms in the management of early obesity and fatty liver with {Akkermansia muciniphila} and quercetin supplementation	M J-Fernández (Spain)
14:35-14:42	AD01.06	Fibronectin type III domain-containing 4 drives fat browning and inhibits lipogenesis in human omental adipocytes	A Rodríguez (Spain)
14:42-15:00	Discussion		
14:00-15:00	Abstract Discussion Session: Adipose Tissue Biology		ROOM 2
	Chairs: Anne Bouloumié (France), Johan Jocken (Netherlands)		
14:00-14:15	AD02.01	Glucose-6-phosphate dehydrogenase deficiency associates with lower BMI in males with Type 2 diabetes	E G Fojas (UAE)
14:15-14:30	AD02.02	Obesity and weight loss modulate DNA methylation profile of SARS-CoV-2 receptor ACE2 in blood leukocytes	A G Izquierdo (Spain)
14:30-14:45	AD02.03	Psoriatic arthritis may be associated with metabolically adverse adipose tissue morphology	L D Ferguson (UK)
14:45-15:00	AD02.04	Visceral Fat Area and Cardiometabolic Risk: The KardioVize Study	A Polcova (Czech Republic)
14:00-15:00	Topic Session: Communicating Science Workshop		ROOM 3
	Chair: Emilie Combet (UK), Petronella Jeurissen (Belgium)		
14.00-14.05	Introduction – panellists and online / offline activities		E Combet (UK)
14.05-14.13	Broadcast media: becoming a public figure communicating science		G Yeo (UK)
14:14-14:22	Linking scientists, press officers and journalists: the science media center		H Taylor Lewis (UK)
14.23-14.31	Media interviews - getting your message across		A Sharma (Germany)
14.32-14.40	Public engagement: tailoring the message		L Green (UK)
14.41-14.49	Infographics for impact: developing translational science tools to support engagement and uptake		M Crotty (Ireland)
14.50-15.00	Panel Q&A and discussions around the offline activities		
14:00-15:00	Funding opportunities from European Research Council (ERC) in Horizon Europe		ROOM 4
	Chair: M Tsytlonok (Belgium)		
14:00-14:25	Funding Opportunities from ERC in Horizon Europe		M Tsytlonok (Belgium)
14:25-14:50	ERC Grantee Experience		P Pfluger (Germany)
14:50-15:00	Discussion		



## BASIC SCIENCE - 10 MAY 2021, MONDAY

15:00-16:00	Abstract Discussion Session: Integrative Pghysiology II		ROOM 1
	Chairs: Victoria Catalan (Spain), Peter Aldiss (UK)		
15:00 - 15:10	AD03.01	Effects of oral lubrication on appetite, food intake and salivary biomarkers in model foods	E Stribitcaia (UK)
15:10 - 15:20	AD03.02	Genetically induced maternal obesity in Ay mice affects sex-specifically taste preferences and susceptibility to diet-induced obesity in offspring	E Denisova (Russia)
15:20 - 15:30	AD03.03	A newly identified MC4R mutation, found in a young male patient with obesity, blunts signal transduction and impairs alpha-MSH-induced cAMP production	E Trevellin (Italy)
15:30 - 15:40	AD03.04	Parathyroid hormone receptor expression in adipose tissue is related to whole-body metabolic health in lean, obese and cachectic individuals with normal or impaired glucose metabolism	Z Kovaničová (Slovakia)
15:40 - 15:50	AD03.05	Muscle-Specific microRNAs in Cultured Muscle Cells are Associated with Metabolic Characteristics of Cells' Donors	N Laiferová (Slovakia)
15:50-16:00	Discussion		
15:00-16:00	Topic Session: Inter-organ communication / Integrative physiology		ROOM 2
	Chairs: Gijs Goossens (Netherlands), Matthias Blüher (Germany)		
15:00-15:20	TS03.01	Leveraging microRNA targets to treat obesity	S M Hartig (US)
15:20-15:40	TS03.02	Role of perivascular fat in microcirculation – CVD	E Eringa (Netherlands)
15:40-15:50	TS03.03	Role of interleukin-1 $\beta$ in inflammation and extracellular matrix remodelling in obesity and its associated comorbidities	A Mentxaka (Spain)
15:50-16:00	TS03.04	Causal implication of the gut microbiota in type 2 diabetes resolution after Roux-en-Y gastric bypass	J Debédát (France)
15:00-16:00	Topic Session: Adipose tissue biology		ROOM 3
	Chairs: Gunnar Mellgren (Norway), Maria Angela Guzzardi (Italy)		
15:00-15:20	TS04.01	Revisiting adipose Tissue progenitors	A Bouloumié (France)
15:20-15:40	TS04.02	Metabolic and endocrine functions of bone marrow adipose tissue	W Cawthorn (UK)
15:40-15:50	TS04.03	Alterations in miR-26a levels in breast milk may affect gene expression of target genes (Hmag1, Rb1, and Adam17) in the adipose tissue of offspring	C A Pomar (Spain)
15:50-16:00	TS04.04	Associations of objectively measured physical activity, sedentary time and cardiorespiratory fitness with adipose tissue insulin resistance and ectopic fat in community volunteers	S Malaikah (UK)
15:00-16:00	Topic Session: Obesity Canada Distinguished Lecturer Award Presentation & COS/ECO Weight Bias Panel		ROOM 4
	Chairs: Lisa Schaffer (Canada), Arya Sharma (Germany)		
15:00-15:10	Opening Remarks		
15:10-15:30	The Need for Multinational and Collective Action to Address Weight Stigma		R Puhl (USA)
15:30-16:00	Joint Canadian Obesity Summit and European Congress on Obesity Weight Bias Panel Discussion		V Mooney (Spain), V Tokarz (Canada), S Nutter (Canada), S Birney (Ireland), R Puhl (USA)
16:00-16:45	Plenary with Meet the Expert Q&A: New insights into adipose tissue		ROOM 1
	Chairs: Roberto Vettor (Italy), Gema Frühbeck (Spain)		
16:00-16:45	New insights into adipose tissue		K Clément (France)



### CHILDHOOD AND ADOLESCENT OBESITY - 11 MAY 2021, TUESDAY

09:15-10:00	<b>Plenary with Meet the Expert Q&amp;A: Obesity and Pregnancy</b>		<b>ROOM 1</b>
	Chairs: Nathalie Farpour-Lambert (Switzerland), Nicola Heslehurst (UK)		
09:15-09:35	PL3.01	Prenatal exposure to environmental toxins and risks of developing obesity in childhood	T K Jensen (Denmark)
09:35-09:55	PL3.02	Is weight management in pregnancy an opportunity for childhood obesity prevention?	N Heslehurst (UK)
09:55-10:00	Discussion		
10:00-11:00	<b>Topic Session: Physical Fitness and Physical Activity</b>		<b>ROOM 1</b>
	Chairs: Grace O'Malley (Ireland), Pawel Matusik (Poland)		
10:00-10:20	TS05.01	Strategies to promote physical activity among European children and adolescents.	C Joisten (Germany)
10:20-10:40	TS05.02	Determinants and consequences of physical activity and sedentary behaviour in European children and adolescents with obesity	F B Ortega (Spain)
10:40-10:50	TS05.03	24-hour movement behaviors and cardiometabolic risk factors in children: A isotemporal substitution analysis	L N Reis (Brasil)
10:50-11:00	TS05.04	Exercise motives in adolescent girls and boys of different BMI	A P Bulian (Croatia)
10:00-11:00	<b>Topic Session: Mental Health</b>		<b>ROOM 2</b>
	Chairs: Caroline Braet (Belgium), Susana Jiménez-Murcia (Spain)		
10:00-10:20	TS06.01	Mental health and inflammation in youth with obesity: what can we learn?	C Braet (Belgium)
10:20-10:40	TS06.02	Food addiction and behavioural addiction: A risky interaction during adolescence	S Jiménez-Murcia (Spain)
10:40-10:50	TS06.03	Adolescent's weight status and mental wellbeing: the role of body image	A Siri Fismen (Norway)
10:50-11:00	TS06.04	Adolescents' stress reactivity and emotional eating during a lab stressor: differences depending on chronic stress and overweight	K Wijnant (Belgium)
10:00-11:00	<b>Joint session with WHO/Europe: Childhood obesity &amp; launch Childhood Obesity Surveillance Initiative Report Round 4</b>		<b>ROOM 3</b>
	Chairs: Jennifer Lyn Baker (Denmark), Kremlin Wickramasinghe (Russia)		
10:00-10:05	Opening of the session		J L Baker (Denmark), K Wickramasinghe (Russia)
10:05-10:15	Childhood Obesity Surveillance Initiative Round 4: Main findings and key messages		A Spinelli (Italy)
10:15-10:25	Policy moving forward: actions to combat childhood obesity		K Wickramasinghe (Russia)
10:25-10:35	Importance of COSI to inform childhood obesity policy in Croatia		S Musić Milanović (Croatia)
10:35-10:45	Digital marketing of HFSS foods to children and impact on childhood obesity		E Boyland (UK)
10:45-10:55	Measuring the health of children?		J C Holm (Denmark)
10:55-11:00	Close		J L Baker (Denmark)
10:00-11:00	<b>ECPO Session: How can we face Weight Stigma?</b>		<b>ROOM 4</b>
	Chair: Dominique Durrer (Switzerland)		
	Panelists: David Matscheck (Sweden), Christina Fleetwood (Sweden)		
11:00-11:30	<b>Movement Break, Coffee and Topic Forum Discussions</b>		<b>ROOM 1</b>



## CHILDHOOD AND ADOLESCENT OBESITY - 11 MAY 2021, TUESDAY

11:30-12:30	<b>Topic Session: Successful Interventions for Obesity Prevention and Treatment in Children and Adolescents</b>		<b>ROOM 1</b>
	<b>Chairs:</b> Louisa Ells (UK), Petur Juliusson (Norway)		
11:30-11:50	<b>TS07.01</b>	Effectiveness on interventions in children with obesity	N Farpour-Lambert (Switzerland)
11:50-12:10	<b>TS07.02</b>	Good Practice Criteria for Childhood Obesity Prevention in Kindergartens	M Hassapidou (Greece)
12:10-12:30	<b>TS07.03</b>	Complications of Childhood Obesity: the 4M approach	K Morrison (Canada)
11:30-12:30	<b>Topic Session: Child Nutrition and Health</b>		<b>ROOM 2</b>
	<b>Chairs:</b> Ronit Endevelt (Israel), Paulina Metelska (Poland)		
11:30-11:50	<b>TS08.01</b>	Obesity Prevention in Children and Adolescents: nutritional challenges	M Flynn (Ireland)
11:50-12:10	<b>TS08.02</b>	Food insecurity, dietary pattern and childhood obesity	M Bryant (UK)
12:10-12:30	<b>TS08.03</b>	Biomarkers in breast feeding and metabolic programming	C Picó (Spain)
11:30-12:30	<b>Workshop: Storytelling for Policymakers</b>		<b>ROOM 3</b>
	<b>Chair:</b> Jacqueline Bowman-Busato (Belgium)		
11:30-11:55	Key findings and lessons learned from IMI-SOPHIA		M Creek (Belgium)
11:55-12:30	How can researchers support narrative for obesity policy?		L van Rossum (Netherlands), S Sebert (Finland)
11:30-12:30	<b>EASO COTF Teaching Workshop: Session I</b>		<b>ROOM 4</b>
	<b>Chairs:</b> Jennifer Lyn Baker (Denmark), Jens Christian Holm (Denmark)		
11:30-11:40	Introduction		JC Holm (Denmark)
11:40-12:00	How should we define success in the treatment of children with obesity?		JL Baker (Denmark)
12:00-12:20	Why aren't children with Covid-19 as sick as adults? Immunological and endocrinological aspects		JC Holm (Denmark)
12:20-12:30	<b>Discussion</b>		
12:30-14:00	<b>Industry Session 1</b>		<b>ROOM 1</b>
	<b>For further details, please visit:</b> <a href="https://eco2021.com/?p=industry_symposia">https://eco2021.com/?p=industry_symposia</a>		
12:30-13:30	<b>Industry Session 2</b>		<b>ROOM 2</b>
	<b>For further details, please visit:</b> <a href="https://eco2021.com/?p=industry_symposia">https://eco2021.com/?p=industry_symposia</a>		
14:00-15:00	<b>Abstract Discussion Session: Early Life Risk Factors</b>		<b>ROOM 1</b>
	<b>Chairs:</b> Lise Bjerregaard (Denmark), E Woodward (UK)		
14:00-14:08	<b>AD04.01</b>	The estimates of predictors associated with child body mass index in children in a population-based study: a systematic review, meta-analysis and modelling study	Y Mou (Netherlands)
14:08-14:16	<b>AD04.02</b>	Maternal Stress from Conception to Two Years Postpartum and Risk of Childhood Obesity: A Systematic Review	K M Sikar (Ireland)
14:16-14:24	<b>AD04.03</b>	Maternal and paternal distress in early childhood and child adiposity trajectories: Evidence from the Millennium Cohort Study	K Tommerup (UK)
14:24-14:32	<b>AD04.04</b>	The excess weight of 0 to 7 year-old children. Risk factors	E P Pereda (Spain)
14:32-14:40	<b>AD04.05</b>	The effect of blood lipid profiles during pregnancy on longitudinal offspring health	C Yelverton (Ireland)
14:40-15:00	<b>Discussion</b>		



## CHILDHOOD AND ADOLESCENT OBESITY - 11 MAY 2021, TUESDAY

14:00-15:00	<b>Abstract Discussion Session: Management and Intervention</b>		<b>ROOM 2</b>
	<b>Chairs:</b> Ram Weiss (Israel), Cilius Esmann Fonvig (Denmark)		
14:00-14:08	<b>AD05.01</b>	Associations between lifestyle interventions during pregnancy and childhood weight and growth: a systematic review and meta-analysis	R Raab (Germany)
14:08-14:16	<b>AD05.02</b>	Detection of metabolic syndrome in adolescents with obesity or overweight: new score based on explainable artificial intelligence	K Benmohammed (Algeria)
14:16-14:24	<b>AD05.03</b>	Dextroamphetamine treatment for children with hypothalamic obesity	M S Welling (Netherlands)
14:24-14:32	<b>AD05.04</b>	Barriers and facilitators for implementing paediatric telehealth: rapid review of user perspectives	L Tully (Ireland)
14:32-14:40	<b>AD05.05</b>	Resting energy expenditure is not altered in children and adolescents with obesity. Effect of age and gender and association with serum leptin levels	J Gómez-Ambrosi (Spain)
14:40-14:48	<b>AD05.06</b>	Where do observers look when estimating children's weight status and are looking patterns associated with accuracy? An eye-tracking study	E H Evans (UK)
14:48-14:56	<b>AD05.07</b>	The associations between body mass index and sleep duration in infants and toddlers: a cross-sectional study	A Duarte (Portugal)
14:56-15:00	<b>Discussion</b>		
14:00-15:00	<b>EASO COTF Teaching Workshop: Session II</b>		<b>ROOM 3</b>
	<b>Chairs:</b> Jennifer Lyn Baker (Denmark), Jens Christian Holm (Denmark), Mario Silva (Portugal)		
14:00-14:20	eHealth for children living with obesity		G O'Malley (Ireland)
14:20-14:40	Vaccines policy: children and Covid-19 vaccinations		N Farpour-Lambert (Switzerland)
14:40-15:00	<b>Discussion and questions</b>		
14:00-15:00	<b>Accepted Symposium: Beyond Body Mass Index: positioning body composition in the nutrition assessment menu</b>		<b>ROOM 4</b>
	<b>Chair:</b> Cornelia Loechl (Austria)		
14:00-14:20	Championing the body composition cause: an IAEA story		V O Owino (Austria)
14:20-14:40	The other Africa: excessive fatness, obesogenic diet and low physical activity in children		J Reilly (UK)
14:40-15:00	Body composition as a tool to predict risk of malnutrition and associated clinical outcomes		M Fewtrell (UK)
15:00-16:00	<b>Abstract Discussion Session: Nutrition/Dietary Patterns</b>		<b>ROOM 1</b>
	<b>Chairs:</b> Maria Hassapidou (Greece), Maria Bryant (UK)		
15:00-15:08	<b>AD06.01</b>	Dietary intake in Finnish primary school-aged children with normal weight and overweight/obesity	E Koivuniemi (Finland)
15:08-15:16	<b>AD06.02</b>	Metabolically unhealthy obesity and lifestyle-related factors in children and adolescents	H Samouda (Luxembourg)
15:16-15:24	<b>AD06.03</b>	Grazing Eating Behavior in Pediatric Obesity	S Ramalho (Portugal)
15:24-15:32	<b>AD06.04</b>	The effect of ultra-processed food consumption on the plasma metabolome and its role in childhood obesity	E Handakas (UK)
15:32-15:40	<b>AD06.05</b>	Associations between environmental factors and childhood eating behaviours in 5-year-old children: Findings from the ROLO longitudinal birth cohort study	A Delahunty (Ireland)
15:40-15:48	<b>AD06.06</b>	The prospective association between dietary energy density and adiposity in children and adolescents	M M Dagali (UK)
15:48-16:00	<b>Discussion</b>		



## CHILDHOOD AND ADOLESCENT OBESITY - 11 MAY 2021, TUESDAY

15:00-16:00	<b>Abstract Discussion Session: Life Course Approaches</b>		<b>ROOM 2</b>
	<b>Chairs:</b> Melania Manco (Italy), Erica van den Akker (Netherlands)		
15:00-15:10	<b>AD07.02</b>	Associations of maternal birthweight, childhood height, body mass index and change in body mass index from childhood to pregnancy with risks of preterm delivery	D C. Pedersen (Denmark)
15:10-15:20	<b>AD07.03</b>	Development of obesity among children and adolescents in Germany - Results of the KiGGS cohort	A Schienkiewitz (Germany)
15:20-15:30	<b>AD07.04</b>	Childhood body size and the subsequent risk of anorexia nervosa and bulimia nervosa among women	B W Jensen (Denmark)
15:30-15:40	<b>AD07.05</b>	Self-concept, childhood obesity, and primary caregiver education in an Irish cohort of children	M A Dow (Ireland)
15:40-15:50	<b>AD07.06</b>	Maternal perception, concern and dissatisfaction with child weight and their association with feeding practices	A Costa (Portugal)
15:50-16:00	<b>Discussion</b>		
15:00-16:00	<b>Joint Session with COS and WHO European Office : Reducing the impact of digital marketing of foods to children and adolescents</b>		<b>ROOM 3</b>
	<b>Chairs:</b> Alfred Aziz (Canada), Kremlin Wickramasinghe (Russia)		
15:00-15:05	Welcoming words		A Aziz (Canada), K Wickramasinghe (Russia)
15:05-15:15	Overview of the CLICK framework to monitor digital marketing of unhealthy products to children and adolescents		K Wickramasinghe (Russia)
15:25-15:25	Piloting of CLICK framework: Investigating exposure of digital food and drink advertisements to Norwegian children and adolescents		K Knutsen Steinnes (Norway), V Haugrønning (Norway)
15:25-15:35	Example of restricting of the digital marketing of unhealthy products: Law on digital marketing		MJ Gregório (Portugal)
15:35-16:00	Interactive Q&A session		A Aziz (Canada), K Wickramasinghe (Russia)
15:00-16:00	<b>Joint EASO COTF/ECOG session: "GLP-1 treatment of adolescents with obesity"</b>		<b>ROOM 4</b>
	<b>Chairs:</b> Jennifer Lyn Baker (Denmark), Daniel Weghuber (Austria)		
15:00-15:10	Introduction		JL Baker (Denmark)
15:10-15:30	GLP-1 treatment: rationale for pharmacological treatment and recent evidence		D Weghuber (Austria)
15:30-15:50	GLP-1 treatment: when and how to use it?		JC Holm (Denmark)
15:50-16:00	<b>Discussion</b>		
16:00-16:45	<b>Plenary with Meet the Expert Q&amp;A: COVID19: Impacts on Child and Adolescent Health and Lifestyle</b>		<b>ROOM 1</b>
	<b>Chairs:</b> Jens-Christian Holm (Denmark), Jo Jewell (US)		
16:00-16:20	<b>PL4.01</b>	COVID-19: Impacts on Child and Adolescent Obesity and Health	K Wickramasinghe (Russia)
16:20-16:40	<b>PL4.02</b>	COVID-19: Impacts on Child and Adolescent Obesity and Health	J Jewell (US)
16:40-16:45	<b>Discussion</b>		
16:00-17:00	<b>ECPO Session: Why 'People First' Language?</b>		<b>ROOM 2</b>
	<b>Chairs:</b> Ken Clare (UK), Audrey Roberts (UK)		
16:00-17:00	ECPO Panel		





## BEHAVIOURAL AND PUBLIC HEALTH - 12 MAY 2021, WEDNESDAY

09:15 - 10:00	<b>Plenary with Meet the Expert Q&amp;A: Reassessing prevention: From children to the elderly</b>		<b>ROOM 1</b>
	<b>Chairs:</b> Monica Bullo (Spain), Susanna Lehtinen-Jacks (Finland)		
09:15 - 10:00		Reassessing prevention: From children to the elderly	M Fogelholm (Finland)
10:00 - 11:00	<b>Topic Session: Obesity and COVID19: underlying mechanisms and clinical implications</b>		<b>ROOM 1</b>
	<b>Chair:</b> Rachel Golan (Israel)		
10:00 - 10:20	TS09.01	COVID19 makes tackling the obesity pandemic even more urgent	N Stefan (Germany)
10:20 - 10:40	TS09.02	Obesity and COVID-19: Two sides of the coin.	L Busetto (Italy)
10:40 - 11:00	TS09.03	Challenges for a Ministry of Health	D Cauchi (Malta)
10:00 - 11:00	<b>Accepted Symposium: The EU PROTEIN Project</b>		<b>ROOM 2</b>
	<b>Chair:</b> Lazaros Gymnopoulos (Greece)		
10:00 - 10:15		The PROTEIN Project	L Gymnopoulos (Greece)
10:15 - 10:30		PROTEIN's AI Technology	K Dimitropoulos (Greece)
10:30 - 10:45		Personalised Nutrition and Physical Activity: Lessons Learnt from an EU Project	K Hart (UK)
10:45 - 11:00		AI and Ethics	M Kritikos (Greece)
10:00 - 11:00	<b>Joint Session with WHO European Office for Prevention and Control of Noncommunicable Diseases: Sustainable and healthy diets</b>		<b>ROOM 3</b>
	<b>Chair:</b> Holly Rippin (UK)		
10:00 - 10:10		An overview of WHO/Europe work streams to promote sustainable healthy diets	K Wickramasinghe (Russia)
10:10 - 10:20		Ultra-processed plant-based foods: identifying the knowledge gaps	A Halloran (Denmark)
10:20 - 10:30		Systematic review to promote healthy and sustainable labelling	M Rayner (UK)
10:30 - 10:40		A country perspective: how Finland is working with healthy and sustainable diets	S Salio-Lähteenkorva (Finland)
10:40 - 11:00		Interactive Q&A session	Holly Rippin (UK)
10:00 - 11:00	<b>EASO PHTF Session: Barriers to Health in Europe - Perceptions and Reality</b>		<b>ROOM 4</b>
	<b>Chairs:</b> Janas Harrington (Ireland), E Woodward (UK)		
10:00 - 10:45		Main barriers to health in Europe	M Murphy (Ireland), S Whiting (Russia), J Bowman-Busato (Belgium)
10:45 - 11:00		Ministry of Health perspective	D Cauchi (Malta)
11:00 - 11:30	<b>Movement Break, Coffee and Topic Forum Discussions</b>		<b>ROOM 1</b>
11:30 - 12:30	<b>Topic Session: Apps: what are they good for?</b>		<b>ROOM 1</b>
	<b>Chairs:</b> Berit Heitmann (Denmark), Antonio Palmeiras (Portugal)		
11:30 - 11:50		mHealth approaches for obesity prevention and weight management: Successes and new directions	K Pietiläinen (Finland)
11:50 - 12:10		Digital Food environments and food delivery apps in the WHO European Region	C Farrand (Denmark) N Weerasinghe (UK) C Politis (UK)
12:10 - 12:30		Mobile apps: tracking psychological and behavioural mechanisms of successful weight management	J Stubbs (UK)



## BEHAVIOURAL AND PUBLIC HEALTH - 12 MAY 2021, WEDNESDAY

11:30-12:30	<b>Topic Session: Modelling obesity scenarios at regional, national and European levels</b>		<b>ROOM 2</b>
	Chair: Janas Harrington (Ireland)		
11:30-11:50	TS11.01	Macroenvironmental determinants of food intake (modelling information at social media, product labelling, country policies affecting prices and food availability). WHO Food and Nutrition Action Plan	J Breda (Portugal)
11:50-12:10	TS11.02	Macroenvironmental determinants of food intake (modelling information at social media, product labelling, country policies affecting prices and food availability). WHO Food and Nutrition Action Plan.	K Wickramasinghe (Russia)
12:10-12:30	TS11.03	Economic impacts of obesity: a cross-country analysis	R Nugent (US)
11:30-12:30	<b>Accepted Symposium: The impact of COVID-19 measures on lifestyle and weight: towards positive solutions</b>		<b>ROOM 3</b>
	Chairs: Cecile Prakke (Netherlands), Lideke Middelbeek (Netherlands)		
11:30-11:45	Impact study in the Netherlands: Covid-19 measures and its impact on the lifestyle of children in The Netherlands and the Dutch approach for a healthy lifestyle		M Bachra (Netherlands)
11:45-12:00	The importance of physical activity, easy steps forward with great impact for a healthier lifestyle		J Schouenborg (Denmark)
12:00-12:15	The key towards a healthier environment: Integrated community based intervention programmes and the importance of connecting prevention and care		T Visscher (Netherlands)
12:15-12:30	Open conversation with the panel about positive solutions and the way forward		C Prakke (Netherlands), L Middelbeek (Netherlands)
11:30-12:30	<b>EASO PHTF Session: Barriers to Health in Europe: Policy Solutions and Recommendations</b>		<b>ROOM 4</b>
	Chair: Jacqueline Bowman-Busato (Belgium)		
11:30-12:30	How can policy overcome barriers to access to health?		M Votta (Italy) S Sebert (Finland)
12:30-14:00	<b>Industry Session 3</b>		<b>ROOM 2</b>
	For further details, please visit: <a href="https://eco2021.com/?p=industry_symposia">https://eco2021.com/?p=industry_symposia</a>		
14:00-15:00	<b>Abstract Discussion Session: Behaviour Change</b>		<b>ROOM 1</b>
	Chair: Graham Finlayson (UK)		
14:00-14:08	AD08.01	Understanding the effects of portion reduction on food choice: a warning for food manufacturers and policy makers	R O Shahrokni (UK)
14:08-14:16	AD08.02	The Practice Example in Corporate Nutrition Strategy: Sabri Ülker Foundation Healthy Living Center	B Mutuş (Turkey)
14:16-14:24	AD08.03	Personalized e-interactions with low-income populations drive weight loss for obesity	L Tian (US)
14:24-14:32	AD08.04	The effect of calorie labeling, motivation and habits on the calorie content of items selected from a university coffee shop menu	K Tapper (UK)
14:32-14:40	AD08.05	Predictors of weight gain during the COVID-19 quarantine: the Lithuanian COVIDiet study	V Kriaucioniene (Lithuania)
14:40-14:48	AD08.06	Direct and indirect costs of obesity – a Danish register-based study from 2002 to 2018	M Bøgelund (Denmark)
14:48-14:56	AD08.07	The prevalence of sleep disturbances and physical activity during the lockdown due to COVID-19 pandemic in Polish population	K Wyskida (Poland)
14:56-15:00	<b>Discussion</b>		



## BEHAVIOURAL AND PUBLIC HEALTH - 12 MAY 2021, WEDNESDAY

14:00-15:00	<b>Abstract Discussion Session: Epidemiology</b>		<b>ROOM 2</b>
	<b>Chairs:</b> Lauren Lissner (Sweden), Tommy Visscher (Netherlands)		
14:00-14:08	AD09.01	Cord blood Leptin as a predictor of age at adiposity rebound - the EDEN mother-child cohort	A Cisse (France)
14:08-14:16	AD09.02	The prevalence of comorbidities in people with obesity – a Danish register-based study from 2002 to 2018	M Bøgelund (Denmark)
14:16-14:24	AD09.03	Abdominal obesity in Tunisian women: Results of a national household survey, 2016	M Zribi (Tunisia)
14:24-14:32	AD09.04	Maternal pre-pregnancy BMI and offspring hyperactivity-inattention from 3 to 8 years in the EDEN birth cohort study	C Dow (France)
14:32-14:40	AD09.05	Associations of {FABP1} and {FABP4} genes polymorphisms with body weight in childhood and adulthood	A Raskilienė (Lithuania)
14:40-14:48	AD09.06	Challenges in weighing community-dwelling individuals with high body mass index: a barrier to accessing safe routine care	K Williamson (UK)
14:48-15:00	<b>Discussion</b>		
14:00-15:00	<b>Research agenda - what's missing?</b>		<b>ROOM 3</b>
	<b>Chairs:</b> Jason Halford (UK)		
14:00-14:10	Context: why a research gap analysis?		J Bowman-Busato (Belgium)
14:10-14:30	Research agenda gap analysis		N Arthurs (Ireland)
14:30-15:00	Panel discussion		E Jeurissen (Belgium) E Woodward (UK) G Goossens (Netherlands) J Bowman-Busato (Belgium) N Arthurs (Ireland)
15:00-16:00	<b>Abstract Discussion Session: Nutrition</b>		<b>ROOM 1</b>
	<b>Chairs:</b> Teodora Handjieva-Darlenska (Bulgaria), Snezana Polovina (Serbia)		
15:00-15:10	AD10.01	Consumption of sugar-sweetened beverages, fruit juice, low-calorie beverages and body weight change and obesity in Dutch adults: The Lifelines Cohort - a SWEET study	M E C Buso (Netherlands)
15:10-15:20	AD10.02	Energy density of commercial foods for infants and young children in Bulgaria	A Partzova (Bulgaria)
15:20-15:30	AD10.03	Bi-directional association of appetitive behaviors and body composition in school-aged children	S Warkentin (Portugal)
15:30-15:40	AD10.04	Knowledge of nutritional requirements and food habits in Qatar: The case of Community College students	L Ismayil (Qatar)
15:40-15:50	AD10.05	Impact of obesity on gestational diabetes mellitus	S Abadia (Tunisia)
15:50-16:00	<b>Discussion</b>		
15:00-16:00	<b>Accepted Symposium: Collaboration in health economic modelling of overweight and obesity: an invitation to the cobweb network</b>		<b>ROOM 2</b>
	<b>Chairs:</b> Samira Jabakhanji (Ireland)		
15:00-16:00	CollaBoration in health economic modelling of OverWEight and oBesity: An invitation to the Cobweb network		K Balanda (Ireland), S Jabakhanji (Ireland)



## BEHAVIOURAL AND PUBLIC HEALTH - 12 MAY 2021, WEDNESDAY

15:00-16:00	<b>Topic Session: Mental health and obesity stigma</b>		<b>ROOM 3</b>
	<b>Chairs:</b> Ximena Ramos-Salas (Sweden), Vicki Mooney (Spain)		
15:00-15:20	TS12.01	Obesity stigma, mental health and dietary behaviours	R Puhl (US)
15:20-15:40	TS12.02	Post bariatric effects on mental health	A Ahern (UK)
15:40-16:00	TS12.03	Healthy aging and cognition in the Predimed Plus Study	F. Fernandez-Aranda (Spain)
15:00-16:00	<b>Abstract Discussion Session: COVID-19</b>		<b>ROOM 4</b>
	<b>Chairs:</b> Jay Duckworth (UK), Daniel Cauchi (Malta)		
15:00-15:08	AD11.01	The COVID-19 pandemic and its impact on participation in an online behavioural weight loss programme: A Qualitative Exploration	M Thomson (UK)
15:08-15:16	AD11.02	Variation of free sugar intake across eating occasions in secondary school pupils in the West Midlands, United Kingdom: a cross sectional study	A Stewart (UK)
15:16-15:24	AD11.03	Impact of COVID-19 lockdown measures on lifestyle behavior in children and adolescents with severe obesity	O Abawi (Netherlands)
15:24-15:32	AD11.04	The utility of the Edmonton Obesity Staging System for the prediction of COVID-19 outcomes: A multi-center study	M R Flores (Mexico)
15:32-15:40	AD11.05	Digital transformation for the virtual management of Obesity	T M Álvarez (Spain)
15:40-15:48	AD11.06	Effect of COVID-19 lockdowns on physical activity, eating behaviour, body weight and psychological outcomes in a post-bariatric cohort	A Bellicha (France)
15:48-15:56	AD11.07	Facing challenging times due to Covid-19 in Portugal with remarkable enthusiasm by adolescents in Youth Alliances of the EU-H2020 Project CO-CREATE	A Rito (Portugal)
15:56-16:00	<b>Discussion</b>		
16:00-16:45	<b>Plenary with Meet the Expert Q&amp;A Discussion: Sustainability, food systems and climate change</b>		<b>ROOM 1</b>
	<b>Chairs:</b> João Breda (Portugal), Jason Halford (UK)		
16:00-16:15	Environmental and health sustainability of the Mediterranean		L Serra-Majem (Spain)
16:15-16:30	The impact of dietary habits on climate change and land use		J Macdiarmid (UK)
16:30-16:45	Panel Discussion		
16:00-17:00	<b>ECPO Session: The importance of the patient voice in advocacy</b>		<b>ROOM 2</b>
	<b>Chairs:</b> Vicki Mooney (Ireland), Euan Woodward (UK)		
16:00-17:00	ECPO Panel		
16:45-18:15	<b>Industry Session 4</b>		<b>ROOM 1</b>
	For further details, please visit: <a href="https://eco2021.com/?p=industry_symposia">https://eco2021.com/?p=industry_symposia</a>		



### MANAGEMENT AND INTERVENTION - 13 MAY 2021, THURSDAY

09:15 - 10:00	<b>Plenary with Meet the Expert Q&amp;A: Lipodistrophy / Sarcopenic obesity</b>		<b>ROOM 1</b>
	<b>Chairs:</b> Rocco Barazzoni (Italy), Sven Francque (Belgium)		
09:15-09:35	<b>PL7.01</b>	Diagnosis and management of Lipodistrophy	F Santini (Italy)
09:35-09:55	<b>PL7.02</b>	Diagnostic criteria for Sarcopenic Obesity (ESPEN-EASO)	T Cederholm (Sweden)
09:55-10:00	<b>Discussion</b>		
10:00-11:00	<b>Topic Session: Drug treatment of obesity in adults</b>		<b>ROOM 1</b>
	<b>Chairs:</b> Dragan Micic (Serbia), Paolo Sbraccia (Italy)		
10:00-10:20	<b>TS13.01</b>	New drugs in the pipeline	H Toplak (Austria)
10:20-10:40	<b>TS13.02</b>	New targets for future drugs	A Vidal-Puig (UK)
10:40-11:00	<b>TS13.03</b>	Semaglutide treatment of Obesity	D Dicker (Israel)
10:00-11:00	<b>EASO NWG Session: Medical Nutrition Therapy Recommendations</b>		<b>ROOM 2</b>
	<b>Chairs:</b> Louisa Ells (UK), Maria Hassapidou (Greece), Solveig Sigurdardottir (Iceland)		
10:00-10:10	European Dietary Recommendations – The Current Status		A Vlassopoulos (Greece)
10:10-10:20	EASO/EFAD Medical Nutrition Therapy Recommendations for the Treatment of Obesity in Children		C Collins (Australia)
10:20-10:30	EASO/EFAD Medical Nutrition Therapy Recommendations for the Treatment of Obesity in Adults		T Brown (UK)
10:30-10:35	Participant Word Cloud: What do you think should be covered in these recommendations?		Panel
10:35-11:00	Moderated panel discussion with coffee: implications for practitioners, Patients and policymakers		Panel
10:00-11:00	<b>EASO OMTF Session: Sleep, Health and Obesity</b>		<b>ROOM 3</b>
	<b>Chairs:</b> Luca Busetto (Italy) , Lisbeth van Rossum (Netherlands)		
10:00-10:20	Sleep Quality on Obesity		N Montano (Italy)
10:20-10:40	Sleep Apnoea		A Tahrani (UK)
10:40-10:50	<b>TF1.1</b>	Investigating Continuous Positive Airway Pressure (CPAP) Adherence - Patient Benefits and Barriers in a level 3 Weight Management Service	R Fox (Ireland)
10:50-11:00	<b>TF1.2</b>	Evening chronotype: an independent risk factor for cardiometabolic diseases in obesity	G Muscogiuri (Italy)
10:00-11:00	<b>ECPO Session: Role Play in the clinical setting with ECPO</b>		<b>ROOM 4</b>
	<b>Chair:</b> Vicki Mooney (Spain), Jason Halford (UK)		
	<b>Panelists:</b> Michael Crotty (Ireland), Susie Birney (Ireland), Andrew Healing (UK)		
11:00-11:30	<b>Movement Break, Coffee and Topic Forum Discussions</b>		<b>ROOM 1</b>



## MANAGEMENT AND INTERVENTION - 13 MAY 2021, THURSDAY

11:30-12:30	<b>Topic Session: Personalized treatment of obesity</b>		<b>ROOM 1</b>
	<b>Chairs:</b> Ferruccio Santini (Italy), Francisco Tinahones (Spain)		
11:30-11:50	<b>TS14.01</b>	Nutrigenomics	D Corella (Spain)
11:50-12:10	<b>TS14.02</b>	Twin studies for epigenomic markers in obesity	J T Bell (UK)
12:10-12:30	<b>TS14.03</b>	Metabolomic signatures after bariatric surgery	M P Monteiro (Portugal)
11:30-12:30	<b>Topic Session: Weight-reduced markers, to prevent weight regain</b>		<b>ROOM 2</b>
	<b>Chairs:</b> Alex Miras (UK), Paula Freitas (Portugal)		
11:30-11:50	<b>TS15.01</b>	Weight-reduction-induced markers of weight regain: characterisation and mechanisms	M van Baak (Netherlands)
11:50-12:10	<b>TS15.02</b>	Epigenomic biomarkers to predict weight reduction and weight regain in patients with obesity	A Crujeiras (Spain)
12:10-12:30	<b>TS15.03</b>	Adipose tissue: an under-exploited source of biomarkers for obesity sub-typing and personalized obesity care.	A Rudich (Israel)
11:30-12:30	<b>Accepted Symposium: Understanding Sarcopenic Obesity: The Ignored Phenotype?</b>		<b>ROOM 3</b>
	<b>Chair:</b> Enzo Nisoli (Italy)		
11:30-12:30	<b>AS6.01</b>	Understanding Sarcopenic Obesity: The Ignored Phenotype?	M El Ghoch (Lebanon) G Muscogiuri (Italy) A P Rossi (Italy)
11:30-12:30	<b>EASO OMTF Session: The diagnosis and management of post-bariatric hypoglycaemia</b>		<b>ROOM 4</b>
	<b>Chairs:</b> Volkan Yumuk (Turkey), Davide Carvalho (Portugal)		
11:30-11:50	Hypoglycemia after bariatric surgery: pathophysiology and assessment		A Pucci (UK)
11:50-12:10	Long term incidence of hypoglycaemia after bariatric surgery		K Sjöholm (Sweden)
12:10-12:30	Novel pharmacological approaches for post-bariatric hypoglycaemia		A Ciudin (Spain)
12:30-14:00	<b>Industry Session 5</b>		<b>ROOM 2</b>
	<b>For further details, please visit:</b> <a href="https://eco2021.com/?p=industry_symposia">https://eco2021.com/?p=industry_symposia</a>		
12:30-14:00	<b>Industry Session 6</b>		<b>ROOM 3</b>
	<b>For further details, please visit:</b> <a href="https://eco2021.com/?p=industry_symposia">https://eco2021.com/?p=industry_symposia</a>		
12:30-14:00	<b>Industry Session 7</b>		<b>ROOM 4</b>
	<b>For further details, please visit:</b> <a href="https://eco2021.com/?p=industry_symposia">https://eco2021.com/?p=industry_symposia</a>		



## MANAGEMENT AND INTERVENTION - 13 MAY 2021, THURSDAY

14:00-15:00	Abstract Discussion Session: Novel Anti-Obesity Medications		ROOM 1
	Chairs: Hermann Toplak (Austria), Constantine Tsigos (Greece)		
14:00-14:07	AD12.01	Semaglutide 2.4 mg Induces Weight Loss and Improves Body Composition Across Age Groups in Adults With Overweight or Obesity: Post-Hoc Analysis of the STEP 1 Trial	D Dicker (Israel)
14:07-14:14	AD12.02	Semaglutide 2.4 mg and Intensive Behavioural Therapy in Subjects with Overweight or Obesity (STEP 3)	J P Frias (US)
14:14-14:21	AD12.03	Efficacy and Safety of AM833 for Weight Loss: A Dose-finding Trial in Adults with Overweight/Obesity	R L Batterham (UK)
14:21-14:28	AD12.04	Safety and Tolerability of Concomitant Administration of Multiple-Dose AM833 with Semaglutide 2.4 mg for Weight Management	L B Enebo (Denmark)
14:28-14:35	AD12.05	The effect of AM833 on patient-reported outcomes in individuals with overweight or obesity	K H Pietiläinen (Finland)
14:35-14:42	AD12.06	Effects of Glucagon-Like-Peptide-1 analogue treatment in genetic obesity	M S. Welling (Netherlands)
14:42-14:49	AD12.07	Once-Weekly Semaglutide 2.4 mg Improved Metabolic Syndrome in Adults With Overweight or Obesity: Post-Hoc Analysis of the STEP 1 Trial	C W le Roux (Ireland)
14:49-14:56	AD12.08	Semaglutide 2.4 mg Once Weekly Improves Patient-Reported Outcome Measures of Physical Functioning in Adults with Overweight or Obesity in the STEP 1 Trial	S Wharton (Canada)
14:56-15:00	Discussion		
14:00-15:00	Abstract Discussion Session: Behavioural and Lifestyle Interventions		ROOM 2
	Chairs: Dominique Durrer (Switzerland), Simon Williams (UK)		
14:00-14:08	AD13.01	Bump2Baby and Me: protocol for a randomised control trial of mHealth coaching for healthy gestational weight gain and improved postnatal outcomes in high-risk women and their offspring	A A Geraghty (Ireland)
14:08-14:16	AD13.02	ACT and mindfulness group intervention for enhancing psychological and physical well-being of adults struggling with overweight: the Mind&Life study protocol	I Iturbe (Spain)
14:16-14:24	AD13.03	Relationship between Obesity, Insulin Resistance and Glycemic Changes in Type 2 Diabetes Mellitus: Initial Insights from the Randomised Trial Evaluating Whole-Body Digital Twin Technology Enabled Precision Nutrition for Reversal of Diabetes	P Shamanna (India)
14:24-14:32	AD13.04	Development of an acceptance-based guided self-help behavioural intervention for weight loss maintenance: an evidence-, theory- and person-based approach	R Richards (UK)
14:32-14:40	AD13.05	Predictors of weight loss within a digital behaviour change programme	R Huntriss (UK)
14:40-14:48	AD13.06	Changes in appetite-regulating hormones do not predict weight regain during a combined lifestyle intervention for obesity	S Kuckuck (Netherlands)
14:48-14:56	AD13.07	Attrition and retention in multidisciplinary weight management interventions for adults with obesity: a systematic review	J Everitt (UK)
14:56-15:00	Discussion		



## MANAGEMENT AND INTERVENTION - 13 MAY 2021, THURSDAY

14:00-15:00	<b>EASO OMTF Workshop: Exercise in the management of obesity in adults</b>		<b>ROOM 3</b>
	<b>Chairs:</b> Luca Busetto (Italy), Jean-Michel Oppert (France), Susie Birney (Ireland)		
14:00-14:05	Introduction		JM Oppert (France)
14:05-14:10	Body weight and composition		A Bellicha (France)
14:10-14:15	Energy intake and appetite control		K Beaulieu (UK)
14:15-14:20	Physical fitness		M van Baak (Netherlands)
14:20-14:25	Quality of life and psychological outcomes		J Encantado (Portugal)
14:25-14:30	Cardiometabolic health		F Battista (Italy)
14:30-14:35	Bariatric surgery		A Bellicha (France)
14:35-14:40	Behaviour change techniques		E Carraca (Portugal)
14:40-14:55	<b>Discussion</b>		L Busetto (Italy), JM Oppert (France)
14:55-15:00	<b>Conclusion</b>		JM Oppert (France)
14:00-15:00	<b>Abstract Discussion Session: Bariatric Surgery</b>		<b>ROOM 4</b>
	<b>Chairs:</b> Hassan Kahal (UK), Andreea Ciudin (Spain)		
14:00-14:08	AD14.01	The effect of bariatric surgery on healthcare costs and labour market attachment	M Bøgelund (Denmark)
14:08-14:16	AD14.02	Does post-bariatric surgery nutritional follow-up in primary care in the UK meet current clinical guidance?	H M Parretti (UK)
14:16-14:24	AD14.03	Bariatric surgery impacts on gut microbiota composition and faecal metabolome profile in morbid obese patients	S Román-Sagüillo (Spain)
14:24-14:32	AD14.04	The association between bariatric surgery and cataract: a cohort study from Swedish nationwide healthcare registries	T Burkard (Switzerland)
14:32-14:40	AD14.05	Gastric bypass with sleeve pouch delays weight regain: five years results of a rct	S Okkema (Netherlands)
14:40-14:48	AD14.06	A systematic review of food preference modifications after bariatric surgery	E Guyot (France)
14:48-14:56	AD14.07	Short and long term effects of bariatric surgery in obesity among individuals with MC4R deficiency: data from a large diabetes centre in the United Arab Emirates	E G Fojas (UAE)
14:56-15:00	<b>Discussion</b>		
15:00-16:00	<b>The ABCD of Obesity: a Joint Session with AACE and EASO</b>		<b>ROOM 1</b>
	<b>Chairs:</b> Monica Agarwal (US), Dror Dicker (Israel)		
15:00-15:15	ABCD of Obesity		J Mechanick (US)
15:15-15:30	Towards a new advanced diagnostic framework		G Frühbeck (Spain)
15:30-15:45	ABCD: Application in clinical settings		L Busetto (Italy)
15:45-16:00	Medical Management and Newer Therapies for Obesity		T Garvey (US)





## MANAGEMENT AND INTERVENTION - 13 MAY 2021, THURSDAY

15:00-16:00	<b>Joint Session with EASO and the WHO European Office for Prevention and Control of Noncommunicable Diseases on Brief Interventions in Primary Healthcare settings for integrated NCD risk factors</b>		<b>ROOM 2</b>
	<b>Chairs:</b> C Ferreira-Borges (Russia), Euan Woodward (UK)		
15:00-15:10	An overview of WHO/Europe work on the Manual on Brief Interventions for NCD Risk Factors in Primary Healthcare		K Wickramasinghe (Russia)
15:10-15:20	Evidence for the effectiveness of the integrated approach for brief interventions in PHC		P Anderson (UK)
15:20-15:30	Experience of implementing brief interventions in the Russian Federation		A Kontsevaya (Russia)
15:30-15:40	Experience of implementing brief interventions in Ireland		M O'Brien (Ireland)
15:40-16:00	Interactive Q&A session		K Wickramasinghe (Russia)
15:00-16:00	<b>Topic Session : Special dieting</b>		<b>ROOM 3</b>
	<b>Chairs:</b> Mette Svendsen (Norway), Ellen Govers (Netherlands)		
15:00-15:20	<b>TS16.01</b>	Different dietary approaches to calorie reduction – learning from evidence and practice.	L Ells (UK)
15:20-15:40	<b>TS16.02</b>	Very Low Calorie Ketogenic Diets	A Colao (Italy)
15:40-16:00	<b>TS16.03</b>	Special diets to microbiota modulation	I Moreno-Indias (Spain)
15:00-16:00	<b>Abstract Discussion Session : Obesity Complications – COVID-19</b>		<b>ROOM 4</b>
	<b>Chairs:</b> Abd Tahrani (UK), Sébastien Czernichow (France)		
15:00-15:08	<b>AD15.01</b>	Arterial stiffness and cardiometabolic-based chronic disease: the Kardioviez study	I Pavlovska (Czech Republic)
15:08-15:16	<b>AD15.02</b>	Quality of Life, Physical Function and Resting Oxygen Saturation associated with high STOP-BANG (Sleep Apnoea) Scores in a population with BMI>35kg/m2	R Fox (Ireland)
15:16-15:24	<b>AD15.03</b>	Screening for Obstructive Sleep Apnoea in Women in a Level 3 Weight Management Service – Do the Epworth Sleep Scale and the STOPBANG questionnaires have Predictive Validity?	R Fox (Ireland)
15:24-15:32	<b>AD15.04</b>	Body mass index, but not waist circumference nor metabolic control, is associated with the presence of NAFLD in subjects with type 1 diabetes	J Mertens (Belgium)
15:32-15:40	<b>AD15.05</b>	Cardio-metabolic Indices and Metabolic Syndrome as Predictors of Clinical Severity of Gastroenteropancreatic Neuroendocrine Tumors (GEP-NET)	G Pugliese (Italy)
15:40-15:48	<b>AD15.06</b>	Ultra-processed products and markers of liver health: longitudinal analysis in older individuals with metabolic syndrome from the PREDIMED-Plus trial cohort	J Konieczna (Spain)
15:48-15:56	<b>AD15.07</b>	Higher levels of C-Reactive Protein in patients with overweight and SARS-CoV-2 related pneumonia	S Bettini (Italy)
15:56-16:00	<b>Discussion</b>		
16:00-16:45	<b>Plenary with Meet the Expert Q&amp;A: Predimed studies</b>		<b>ROOM 1</b>
	<b>Chairs:</b> Felipe Casanueva (Spain), Annamaria Colao (Italy)		
16:00-16:45	Predimed Studies		J Salas-Salvadó (Spain)
16:45-17:00	<b>Closing Remarks</b>		<b>ROOM 1</b>



# E-POSTERS



## E-POSTERS

- EP1-01** **Metabolomic profile after acute and medium-term intervention with *Physalis peruviana* L. High impact over the insulin signalling pathways**  
*Natalia Moreno Castellanos, Alberto Angel Martin, Fabrice Vaillant*
- EP1-02** **Association between rs174537 FADS1 genotype and immune cell profiles in abdominal and femoral subcutaneous adipose tissue: An exploratory study in obese adults**  
*Chenxuan Wang, Jessica Murphy, Kerri Delaney, Natalie Khor, Jose Morais, Michael Tsoukas, Dana Lowry, David Mutch, Sylvia Santosa*
- EP1-03** **Metabolomic profile of Metabolic syndrome in women in fertile and postmenopausal age and their comparison with men in the same age groups**  
*Serena Pisoni, Vannina González Marrachelli, Jose Manuel Morales Tatay, Consuelo Borrás Blasco, Anna Maria Di Blasio, Daniel Monleón Salvadó*
- EP1-04** **Fecal microbiota signatures associated with body composition and weight loss in elderly subjects with overweight/obesity and metabolic syndrome**  
*Alessandro Atzeni*
- EP1-05** **"Superfoods" during COVID-19 pandemic**  
*Katarzyna Wyskida, Michał Tworek, Agnieszka Wikarek, Paulina Kosińska, Ewa Łapczyńska, Jakub Maciurzyński, Magdalena Olszancka Glinianowicz*
- EP1-06** **Association of androgen status with abdominal obesity in infertile males of different age groups**  
*Elena Epanchintseva, Svetlana Iankovskaia, Vera Selyatitskaya*
- EP1-07** **The role of visceral tissue in gender differences of circadian rhythm of carbohydrate metabolism**  
*Maksim Sorokin, Boris Pinkhasov, Svetlana Iankovskaia, Nadezhda Mikhaylova, Vera Selyatitskaya*
- EP1-08** **Single-anastomosis duodenoileal bypass with sleeve gastrectomy vs sleeve gastrectomy: new insight into weight loss and metabolic profile**  
*Sara Becerril, Amaia Rodríguez, Victoria Catalán, Beatriz Ramírez, Xabier Unamuno, Amaia Mentxaka, Javier Gómez Ambrosi, Javier A. Cienfuegos, Gema Frühbeck*
- EP1-09** **Comparative study of adipocytes from different sources as a potential cell model for obesity research: new immortalized adipose-derived stem cell (ASC) line ASC52Telo vs primary ASC**  
*Denis Masnikov, Iurii Stafeev, Svetlana Michurina, Elizaveta Mamontova, Elizaveta Ratner, Mikhail Menshikov, Parfyonova Yelena*
- EP1-10** **Soluble apoptosis markers in obese patients with food intolerance**  
*Sentsova Borisovna Tatyana, Ilyenko Ivanovna Lydia, Albagachieva Islamovna Diana, Sokolnikov Arnoldovich Andrey*
- EP1-11** **Apolipoprotein E gene genotypes and metabolic changes in obese patients**  
*Ilyenko Ivanovna Lydia, Sentsova Borisovna Tatyana, Albagachieva Islamovna Diana, Sokolnikov Arnoldovich Andrey*
- EP1-12** **Multi-Systemic Biological Risk, Body Composition and Lung Function in Adults with Asthma: Analysis of NHANES Data**  
*Roham Sadeghimakki, David Mccarthy*
- EP1-13** **The pharmacological effects of FGF21 in obese female mice depend on the estradiol blood level**  
*Tatiana Vladimirovna Iakovleva, Antonina Yurievna Kazantseva, Anastasia Dmitrievna Dubinina, Natalia Yurievna Balybina, Elena Nicolaevna Makarova, Nadezhda Mihalovna Bazhan*
- EP1-14** **Gut and liver different responses to a rescue diet after a short term fructose rich diet**  
*Arianna Mazzoli, Cristina Gatto, Raffaella Crescenzo, Maria Stefania Spagnuolo, Martina Nazzaro, Susanna Iossa, Luisa Cigliano*
- EP1-15** **DDE (4,4'-dichlorodiphenyldichloroethylene) influences lipogenesis during adipocyte differentiation in vitro model of adipogenesis**  
*Iva Kladnická, Miroslava Čedíková, Monika Bludovská, Jan Jedlička, Iveta Plavinová, Michaela Kripnerová, Jitka Kuncová, Dana Müllerová*
- EP1-16** **Adipose tissue morphological changes in gerbil high-fat, high-carbohydrate diet-induced obesity**  
*Zineb Bellahreche, Nesrine Semiane, Aicha Mallek, Yasmina Dahmani*
- EP1-17** **The synthetic glucagon-like peptide-1 receptor agonist liraglutide induces beige-like phenotype in white 3T3-L1 adipocytes**  
*Elizaveta Mamontova, Svetlana Michurina, Elena Sorkina, Iurii Stafeev, Michail Menshikov, Marina Shestakova, Yelena Parfenova*



## E-POSTERS

- EP1-18** **Rapid insulin resistance escalation rather than its' absolute value is the cause of glucose intolerance in male Sprague-Dawley rats**  
*Ekaterina A. Shestakova, Alla V. Stavrovskaya, Anastasiya S. Gushchina, Nina G. Yamshikova, Artyom S. Olshansky, Nataliya M. Malysheva, Sergei N. Ilarionovskiy, Ivan I. Dedov*
- EP1-19** **A lipid mediator modulating lipid function: palmitoylethanolamide (PEA) promotes the adipose organ plasticity in a mouse model of high fat diet-induced obesity**  
*Chiara Annunziata, Claudio Pirozzi, Adriano Lama, Federica Comella, Martina Senzacqua, Giuseppina Mattace Raso, Saverio Cinti, Antonio Giordano, Rosaria Meli*
- EP1-20** **Microbiome and metabolic health: an umbrella review of observational and interventional studies**  
*Nathalie Michels, Inge Huybrechts*
- EP1-21** **Impact of obesity on a woman's reproductive health**  
*Ekaterina V Sheremetyeva, Elena N Andreeva, Olga R Grigoryan, Yulia S Absatarova*
- EP1-22** **Impact of obesity on ovarian reserve in women of reproductive age**  
*Ekaterina V Sheremetyeva, Elena N Andreeva, Olga R Grigoryan, Yulia S Absatarova, Robert K Mikheev*
- EP1-23** **Lippia alba essential oil, a novel treatment involved in the regulation of lipid metabolism in adipocytes**  
*Katherin Bonilla Carvajal, Elena Stashenko, Natalia Moreno Castellanos*
- EP1-24** **Lippia origanoides essential oil, a potential treatment against obesity using the adipocytes as a therapeutic target**  
*Katherin Bonilla Carvajal, Elena Stashenko, Natalia Moreno Castellanos*
- EP1-25** **Ginkgo biloba extract supplementation differently alters fatty acid composition in neutral lipid classes of mesenteric adipose tissue of obese rats fed a high-fat diet**  
*Ellen K Joyce, Bruna K Hirata, Meira M Machado, Mônica M Telles, Allain A Bueno*
- EP1-26** **The matricellular adipokine dermatopontin regulates adipose tissue extracellular matrix remodelling and inflammation in obesity**  
*Xabier Unamuno, Javier Gómez Ambrosi, Beatriz Ramírez, Amaia Rodríguez, Sara Becerril, Victor Valentí, Rafael Moncada, Camilo Silva, Javier Salvador, Gema Frühbeck, Victoria Catalán*
- EP1-27** **Ginkgo biloba extract (GbE) modifies phospholipid fatty acid profiles of mesenteric adipose tissue of obese rats fed a high-fat diet**  
*Ellen K Joyce, Bruna K Hirata, Meira M Machado, Mônica M Telles, Allain A Bueno*
- EP1-28** **Serpina3c regulates adipogenesis through endoplasmic reticulum stress-autophagy-apoptosis pathway**  
*Jiaqi Guo, Linglin Qian, Jingjing Ji, Yu Jiang, Ya Wu, Yuyu Yao*
- EP1-29** **Sex-specific metabolic adaptations to consumption of high-calorie sweet and fatty food in mice**  
*Anastasia Dubinina, Antonina Kazantseva, Tatiana Iakovleva, Nadezhda Bazhan, Elena Makarova*
- EP1-30** **Myo-inositol supplementation at physiological doses during lactation, alone and in combination with leptin, reverses short-term adverse programming effects caused by gestational calorie restriction in rats**  
*Pedro Castillo, Mariona Palou, Zhi Xin Yau Qiu, Ana M. Rodríguez, Andreu Palou, Catalina Picó*
- EP1-31** **Modulation of near term placental leptin expression and content by maternal obesogenic diet and choline supplementation**  
*Ana Maria Rodríguez, Zhi Xin Yau Qiu, Pedro Castillo, Catalina Picó, Andreu Palou*
- EP1-32** **The impact of stress on the regularity of menstrual cycle during COVID-19 pandemic**  
*Katarzyna Wyskida, Karolina Koziel, Karolina Pędrys, Marcin Setlak, Magdalena Olszanecka Glinianowicz*
- EP1-33** **Obesity and variation of human body hydration**  
*Alkioni Chatzaki, Giorgos Bempis, Maria Anna Moysaki, Fotis Papaikovou, Vassilis Zafiropoulos*
- EP1-34** **Mood disorders and control of emotions among Polish women with polycystic ovary syndrome (PCOS)**  
*Katarzyna Wyskida, Karolina Koziel, Karolina Pędrys, Mariola Jonderko, Małgorzata Rodak, Agnieszka Wikarek, Magdalena Olszanecka Glinianowicz*
- EP1-35** **Self-reported memories of recent autobiographical events: approach for research on individuals' life**  
*Antonio Laguna Camacho*
- EP1-36** **Abdominal obesity phenotype predicts covid-19 chest x-ray severity score better than general obesity**  
*Sara Basilio, Carola Dubini, Gloria Capitanio, Francesco Secchi, Valentina Milani, Sara Boveri, Simone Schiaffino, Lelio Morricone, Francesco Sardelli, Ilaria Prandoni, Massimiliano Marco Corsi Romanelli, Gianluca Iacobellis, Michele Carruba, Alexis Elias Malavazos*



## E-POSTERS

- EP2-01** **Dysregulation of tryptophan metabolism is linked to inflammation and metabolic disease in pediatric obesity**  
*Julia Lischka, Andrea Schanzer, Margot Baumgartner, Maximilian Zeyda, Susanne Greber Platzler*
- EP2-02** **Screen time is associated with eating habits, sleep patterns, and adiposity measures in adolescents**  
*Panchali Moitra, Jagmeet Madan, Preeti Verma*
- EP2-03** **Association of comorbid burden and quality of life with anthropometric characteristics, psychoemotional status and smoking in males**  
*Svetlana Iankovskaia, Boris Pinkhasov, Vera Selyatitskaya*
- EP2-04** **Prevention of childhood obesity: preliminary data of the "Not just diet" project**  
*Lucia Bioletti, Debora Lo Bartolo, Anna Maria Aloisi*
- EP2-05** **Understanding children's eating experiences outside of the home: A caregiver perspective**  
*Ioanna Papadaki, Maxine Sharps, Michelle Lee, Laura Wilkinson*
- EP2-06** **Clinical course of comorbidities in children with obesity**  
*Elena Pavlovskaya, Tatiana Strokova, Madlena Bagaeva, Natalia Taran, Andrey Zubovich, Irina Matinyan*
- EP2-07** **Body mass index and total mortality: Instrumental variable analysis using offspring BMI as indicator of own BMI**  
*Kim Blond, David Carlsake, Line Klingen Gjerde, Dorte Vistisen, Thorkild IA Sørensen, George Davey Smith, Jennifer L Baker*
- EP2-08** **Do as I say, not as I do: How do UK adolescents perceive others' dietary behaviours and attitudes, and how might this influence their own?**  
*Torin Greenhill, Jessica Newberry Le Vay, Nathan Critchlow, Jyotsna Vohra, Karen Fitzgerald*
- EP2-09** **Features of the perinatal period in children born to obese mothers**  
*N. S. Dekhtyareva, N. E. Prokopeva, Yu. V. Petrenko, D. O. Ivanov, V. A. Shapkaits, V. P. Novikova*
- EP2-10** **Emotional distress of preadolescents with excess weight**  
*Eva Pereda Pereda, Idoia Iturbe, Edurne Maiz, Maria Soledad Cruz Sáez, Karnele Salaberria, Enrique Echeburúa*
- EP2-11** **Omentin and chemerin serum level and adipocyte morphology in male children**  
*Robert Mujkić, Darija Snajder Mujkić, Ivana Ilić, Anđela Grgić, Anita Čosić, Dalibor Divković, Kristina Selthofer Relatić*
- EP2-12** **Pediatric follow-up: Short term improvement with life-style interventions**  
*Amanda Fernández Menéndez, Belén Gutiérrez Pernia, Clara Yela Salguero, Paula Labeira Candel, Álvaro Sánchez Jiménez, Clotilde Vázquez Martínez*
- EP2-13** **An exploration of the association between school transport and dietary intake in 11-15 year old school pupils across the West Midlands: a cross-sectional study**  
*Ankita Gupta, Miranda Pallan, Marie Murphy*
- EP2-14** **Inhibitory effect of miR-222 on insulin signalling pathway and lipid metabolism in adipocytes in vitro**  
*Pere Bibiloni, Catalina Amadora Pomar, Andreu Palou, Francisca Serra, Juana Sánchez*
- EP2-15** **Targeted approach in childhood obesity - two case studies**  
*Adina Maria Trandafir*
- EP2-16** **Children with high food approach tendency are at higher risk for overweight in deprived neighborhoods compared with affluent neighborhoods. The STEPS Study**  
*Saija Tarro, Mirkka Lahdenperä, Jussi Vahtera, Jaana Pentti, Hanna Lagström*
- EP2-17** **Parental perception on changes in children eating habits, during the 2020 Portuguese first lockdown due to COVID-19. MUN-SI Cascais Program 2019/2020**  
*Joana Balaia, Diogo Oliveira Dos Santos, Ines Chiote, Catarina Pirata, Sofia Mendes, Ana Isabel Rito*
- EP2-18** **Primary School Meals in Scotland 2020: a snapshot and a future vision**  
*Christina Sabbagh, Anna Gryka Macphail, Lorraine Tulloch*
- EP2-19** **Does skipping breakfast associate with a higher BMI in young people living with obesity? A retrospective review of breakfast habits at their first presentation to a tertiary paediatric obesity clinic**  
*Rebecca L Treleaven, Jennifer S Cox, Shelley Easter, Julian P.H Shield, Dinesh Giri*
- EP2-20** **Trajectories of infant weight gain and risks of adult coronary heart disease**  
*Lise G Bjerregaard, Kim Blond, Britt W Jensen, Jennifer L Baker*



## E-POSTERS

- EP2-21** **Examining how psychosocial factors impact the interest and decision to have bariatric surgery among adolescents living with severe obesity**  
*Biagina Carla Farnesi, Angela Alberga, Tamara Cohen, Laurent Legault, Julius Erdstein*
- EP2-22** **Physical activity is of greater importance than diet in adolescents' weight control**  
*Tzvetelina Totomirova, Mila Arnaudova, Ivanina Arabadzhieva*
- EP2-23** **The closure of early years settings due to the COVID-19 pandemic: A cross-cultural discussion of its impact on caregiver's feeding practices and their preschool child's eating**  
*Anca T Dobrescu, Jennifer Ferrar, Peter J Rogers, Danielle Ferriday*
- EP2-24** **Rituximab therapy in Rapid-Onset Obesity, Hypothalamic Dysfunction, Hypoventilation, and Autonomic Dysregulation Syndrome**  
*Katherine Hawton, Rainer Doffinger, Athimalaipet V Ramanan, Simon C Langton Hewer, Dinesh Giri, Julian P Hamilton Shield*
- EP2-25** **Service evaluation of the HEALTHY EAGLES childhood weight management programme**  
*Kyriaki Myrissa, Vanessa Abril Dieguez, Bethany Towle, Melissa Little, Shirley Serber Souza, Eirini Kelaiditi*
- EP2-26** **Liraglutide therapy in combination with dietary and lifestyle measures contributing to rapid weight loss in an adolescent with morbid obesity and life threatening obstructive sleep apnoea**  
*Georgina Williams, Shelley Easter, Simon C Langton Hewer, Julian P H. Shield, Dinesh Giri*
- EP2-27** **Topiramate as a treatment option in managing obesity related, neurological disease in children**  
*Rhianwen Mathews, Sam Amin, Julian P H Shield, Dinesh Giri*
- EP2-28** **Metabolic status and markers of endothelial dysfunction in overweight and obese children**  
*Giulnar A. Safarova, Margarita M. Gurova, Valeria P. Novikova, Alevtina A. Pokhlebkina, Yuri V. Petrenko, Olga P. Gurina, Olga N. Varlamova, Alexander E. Blinov, Evgenia B. Milner*
- EP2-29** **Childhood body mass index and risks of adult rheumatoid arthritis**  
*Julie Aarestrup, Peter E Thomas, Søren Jacobsen, Britt W Jensen, Jennifer L Baker*
- EP2-30** **Association of prediabetes with adiposity in Emirati children and adolescents**  
*Maria Majeed, Saradalekshmi Koramannil R, Nader Lessan*
- EP3-01** **Adequate levels of Physical Activity protect from Sarcopenia in Elderly People with Overweight and Obesity in Community Dwellings**  
*Marwan El Ghoch, Dana Saadeddine, Leila Itani*
- EP3-02** **Duration of being breastfed and risks of coronary heart disease in adulthood in a high-income country**  
*Lise G Bjerregaard, Dorte C Pedersen, Jennifer L Baker*
- EP3-03** **Investigation of eye tracking, electrodermal activity and facial expressions as biometric signatures of food reward and intake in adults with normal weight**  
*Hanne Pedersen, Jonas Salling Quist, Marie Møller Jensen, Kim Katrine Bjerring Clemmensen, Dorte Vistisen, Marit Eika Jørgensen, Kristine Færch, Graham Finlayson*
- EP3-04** **Nature's effect on stress and diet: a lab study and questionnaire on nature aspect differentiation and indoor nature integration**  
*Nathalie Michels*
- EP3-05** **Food Addiction assessment in a non clinical sample of Italian population. A pilot study**  
*Elvira Rostanzo, Anna Maria Aloisi*
- EP3-06** **Is A Body Shape Index (ABSI) associated with incident cancer? – Findings from the UK Biobank prospective cohort study**  
*Solange Parra Soto, Fiona Malcomson, Jill P Pell, Frederick K Ho, Linda Sharp, John C Mathers, Carlos Celis Morales*
- EP3-07** **Understandings of obesity complications, diagnosis and treatment in online communities: An IMI2 SOPHIA study**  
*Sherina Kuruvilla, Emma Farrell, Marianne Ølholm Larsen Grønning, Eva Hollmann, Carel W Le Roux, Joe Nadgrowski, Deirdre Mc Gillicuddy*
- EP3-08** **A systematic review and qualitative synthesis of the lived experience of people with obesity: An IMI2 SOPHIA study**  
*Emma Farrell, Eva Hollmann, Carel W Le Roux, Marta Bustillo, Joe Nadgrowski, Deirdre Mc Gillicuddy*
- EP3-09** **What cut-off points should Chile use to define central obesity? Findings from three National Health Surveys**  
*Fanny Petermann Rocha, Maria Adela Martinez Sanguinetti, Frederick K Ho, Carlos Celis Morales, Alonso Pizarro*
- EP3-10** **The relationship between body mass index and maximum oxygen uptake**  
*Jovan Niciforovic, Nela Djonovic, Sandra Zivanovic, Dragan Vasiljevic, Dalibor Stajic, Ognjen Djordjevic, Gordana Djordjevic, Aleksandar Kocovic, Katarina Janicijevic, Milica Pantovic, Milana Maljah, Nikola Mirkovic, Stefan Stojanovic, Marija Sekulic*



## E-POSTERS

- EP3-11** **Evolution of the prevalence of obesity in the adult population in France, 2013-2016: the Constances study**  
*Joane Matta, Sebastien Czernichow, Adeline Renuy, Claire Rives Lange, Claire Carrette, Guillaume Airagnes, Emmanuel Wiernik, Anna Ozguler, Sofiane Kab, Marcel Goldberg, Marie Zins, Joane Matta*
- EP3-12** **Distribution of obesity between 2015-2019 by different obesity parameters in Hungarian Screening and Public Health Promotion Program 2010-2020-2030. The significance of waist to height ratio**  
*Eszter Halmy, László Gyula Halmy, Tennó Daiki, Ede Kékes, Gergely Dankovics, István Barna, András Paksy*
- EP3-13** **Survey of food and drink promotions in an online grocery shopping environment in Scotland**  
*Anna Gryka Macphail, Jane Gordon, Caitlin Plank, Christina Sabbagh, Lorraine Tulloch*
- EP3-14** **Out-of-home policy changes in Scotland and UK during the COVID-19 pandemic**  
*Chhavi Bansal, Christina Sabbagh, Anna Gryka Macphail, Lorraine Tulloch*
- EP3-15** **Association between obesity indicators and clusters of physical activity and sedentary behavior**  
*Alessandra Araújo De Souza, Rafael Miranda Tassitano, Jorge Augusto Pinto Silva Mota, Clarice Maria De Lucena Martins*
- EP3-16** **Trends in Obesity Among 7-Years-Old Schoolchildren in Bulgaria**  
*Vessela Duleva, Ekaterina Chikova Iscener, Lalka Rangelova, Angelina Partzova, Plamen Dimitrov*
- EP3-17** **Importance of Time Watching Television on the association of Physical Activity Level with Cardiometabolic Risk Factors. The KardioVize Study**  
*Geraldo Neto, Iuliia Pavlovka, Anna Polcrova, Jeffrey Mechanick, Maria Infante Garcia, Jose Medina Inojosa, Sarka Kunzova, Ramfis Nieto Martinez, Francisco Lopes Jimenez, Gorazd Stokin, Juan Gonzales Rivas*
- EP3-18** **Eating behavior during COVID-19 pandemic: comparison between people with obesity, overweight and normal weight**  
*Verónica Vázquez Velázquez, José J. Pizarro, Sofía Sánchez Román, Denise Arcila Martínez, Valeria Soto Fuentes, Héctor Velázquez Jurado*
- EP3-19** **Epidemiology of metabolic syndrome in tunisian adults**  
*Nourhène Najar, Nadia Ben Mansour, Nada Zoghalmi, Salsabil Rejaibi, Faouzi Mehdi, Hajer Aounallah Skhiri*
- EP3-20** **Is irregular meal pattern among Finnish pre-school children associated with overweight?**  
*Eva Roos, Reetta Lehto, Henna Vepsäläinen, Carola Ray, Majjaliisa Erkkola*
- EP3-21** **Disordered eating in patients with overweight and obesity**  
*Veranika Lvovna Labashova, Alla Petrovna Shepelkevich, Yulia Vasilyevna Dydyshka*
- EP3-22** **Virtual reality exergaming improves the affective response to exercise and reduces subsequent food intake in sedentary adults**  
*Sarah Sauchelli, Jeffrey M Brunstrom*
- EP3-23** **A matter of timing - pregnancy after bariatric surgery**  
*Laura Heusschen, Ineke Krabbendam, Jessika M. Van Der Velde, Laura N. Deden, Edo O. Aarts, Ashley E. Meriën, Marloes Emous, Gysele S. Bleumink, Helen L. Lutgers, Eric J. Hazebroek*
- EP3-24** **Associations between antenatal lifestyle and the risk for gestational diabetes mellitus in the GeliS trial – an exploratory secondary cohort analysis**  
*Julia Günther, Julia Hoffmann, Lynne Stecher, Monika Spies, Kristina Geyer, Roxana Raab, Dorothy Meyer, Kathrin Rauh, Hans Hauner*
- EP3-25** **Societal Factors Associated with Obesity in Nigerian Women**  
*Amira Iwuuala, Jonas Akpakli, Lekan Durojaiye, Kendra Njoku, MBBS, Ayoposi Ogboye, Luyao Tian, Nneka Mobisson, MD*
- EP3-26** **Attitudes and beliefs about obesity among healthcare professionals in Spain**  
*David Sánchez-Carracedo, Albert Fornieles-Deu, Júlia Fernández-Homar, Stuart W Flint*
- EP3-27** **Epidemiological features of obesity in Tunisian geriatric population: Results of a national survey, 2016**  
*Mariem Zribi, Salsabil Rejaibi, Nada Zoghalmi, Nadia Ben Mansour, Hajer Aounallah Skhiri*
- EP3-28** **Dietary habits during the COVID-19 lockdown in Poland**  
*Marta Lopyta, Marta Kwiatkowska, Paweł Domański, Katarzyna Wyskida, Magdalena Olszanecka Glinianowicz*
- EP3-29** **The impact of the COVID-19 pandemic on physical activity in Polish population**  
*Katarzyna Wyskida, Angelika Burzy, Katarzyna Rymaszewska, Agnieszka Sokalska, Kamila Chlewska, Justyna Puchala, Julia Stachowiak, Magdalena Olszanecka Glinianowicz*
- EP3-30** **Measuring height for people with high body mass index at home: standing up for inclusion**  
*Kath Williamson, Amy Nimegeer, Mike Lean*



### E-POSTERS

- EP3-31** **The impact of lockdown during the COVID-19 pandemic on changes of eating habits and body mass**  
*Katarzyna Wyskida, Karolina Nowak, Konrad Kamiński, Anna Naleśnik, Sylwia Kozak, Anna Olszewska, Krzysztof Ulbrich, Magdalena Olszanecka Glinianowicz*
- EP3-32** **Insulin resistance is not associated with erosive esophagitis in adults with obesity**  
*Daniela Rojas Acuña, Carlos Quispe Vicuña, Jorge Luis Salazar Alarcon, Jesus Pinto Elera, Gustavo Salinas Sedo, Carlos Jesus. Toro Huamanchumo*
- EP3-33** **Differences in health-related biomarkers profile of vegetarians and meat-eaters: A cross-sectional analysis of the UK Biobank study**  
*Jirapitcha Boonpor, Fanny Petermann Rocha, Solange Parra Soto, Frederick K Ho, Stuart R Gray, Carlos Celis Morales*
- EP3-34** **Intensity of Weight Perception Differences in Unities of BMI: Intervals of Weight Perception Types amongst Metabolic Syndrome Patients**  
*Maria Cristina De Oliveira Regina*
- EP3-35** **Concordance between different criteria for metabolic syndrome in Peruvian adults undergoing bariatric surgery**  
*Nataly Echevarria Castro, Kevin Silva Parra, Marcos Polar Trinidad, Juan Carlos Sanchez Vicente, Gustavo Salinas Sedo, Carlos. Jesus Toro Huamanchumo*
- EP3-36** **Physical activity and non-alcoholic fatty liver disease among Peruvian adults living with obesity**  
*Diego Chambergo Michilot, Andy Bryan Campero Espinoza, Jhosuny Perez Fernandez, Gustavo Salinas Sedo, Carlos Jesus. Toro Huamanchumo*
- EP3-37** **Types of Weight Perception, BMI intervals of difference between them, Anxiety and Depression**  
*Maria Cristina De Oliveira Regina*
- EP3-38** **The use of MMSE and MoCA to identify early cognitive impairment in patients with metabolic syndrome**  
*Andrei Catalin Oprescu, Andreea Gherasim, Otilia Nita, Laura Mihalache, Walther Bild, Lidia Iuliana Arhire*
- EP3-39** **Associations between weight loss history and factors related to type 2 diabetes risk in the Stop Diabetes study**  
*Faranak Halabi, Anja Lapveteläinen, Kirsikka Aittola, Reija Männikkö, Tanja Tilles Tirkkonen, Elna Järvelä Reijonen, Pilvikki Absetz, Marijukka Kolehmainen, Ursula Schwab, Jaana Lindström, Timo Lakka, Jussi Pihlajamäki, Leila Karhunen*
- EP4-01** **Sarcopenic Obesity Predicts Treatment Dropout in Young Adult Patients with Obesity: A Longitudinal controlled Study**  
*Marwan El Ghoch, Dima Kreidieh, Leila Itani, Hana Tannir, Dana El Masri*
- EP4-02** **Ethnic-specific BMI cut-off points for obesity based on type 2 diabetes mellitus risk: a cohort study of 1.5 million people in England**  
*Rishi Caleyachetty, Thomas M Barber, Nuredin Ibrahim Mohammed, Francesco P Cappuccio, Rebecca Hardy, Rohini Mathur, Amitava Banerjee, Paramjit Gill*
- EP4-03** **Confirmatory Psychometric Evaluations of the Impact of Weight on Quality of Life-Lite Clinical Trials Version (IWQOL-Lite-CT)**  
*Ronette L Kolotkin, Valerie S. L. Williams, Lisa Von Huth Smith, Henrik Hjorth Meincke, Shanshan Qin, Nicole Williams, Sheri E. Fehnel*
- EP4-04** **Do general practitioners voluntarily participate in trainings to treat bariatric patients after surgery? a questionnaire based study**  
*Tamara Ranzenberger Haider, Elias Meyer, Michael Krebs, Gerhard Prager, Karin Schindler*
- EP4-05** **Where do bariatric patients attend a structured follow-up program besides in specialized outpatient clinics? A questionnaire based study**  
*Tamara Ranzenberger Haider, Samira Rube, Michael Krebs, Gerhard Prager*
- EP4-06** **Periodontitis and hypertension association in patients with morbid obesity indicated for bariatric surgery, a case-control study**  
*Dejana Čolak, Alja Crnok Kučić, Tadeja Pintar, Boris Gašpirc, Rok Gašperšič*
- EP4-07** **Effectiveness of herbal medicines for weight loss: a systematic review and meta-analysis of randomised placebo-controlled trials**  
*Erica Bessell, Alison Maunder, Romy Lauche, Jon Adams, Amanda Sainsbury, Nicholas R Fuller*
- EP4-08** **Effectiveness of dietary supplements for weight loss: a systematic review and meta-analysis of randomised placebo-controlled trials**  
*Erica Bessell, Alison Maunder, Romy Lauche, Jon Adams, Amanda Sainsbury, Nicholas R Fuller*
- EP4-09** **Efficacy of combination therapy of myo-inositol and vitamin D in obese women with subclinical hypothyroidism: an observational study**  
*Ivan V Pankiv*





## E-POSTERS

- EP4-10** **Insulin initiation is not linked with BMI increase in all patients with type-2-diabetes - Latent class analysis from the DPV registry**  
*Nicole Prinz, Anke Schwandt, Bernadette Borgert, Bettina Hartmann, Hans Peter Kempe, Julia Mader, Sigrun Merger, Rosmarie Weber Lauffer, Frank Jürgen Wosch, Reinhard W Holl*
- EP4-11** **The use of novel visual/numeric scoring charts to quality satiety and hunger - clinically useful tools for future assessment of therapeutic strategies**  
*Andrew John Hartland, Salman Mirza, Harriet Lila Hartland, Alexander William Hartland, Ana Lee*
- EP4-12** **Evaluation of obesity in relation with chronic complications of newly diagnosed diabetes**  
*Andreea Morosan, Magdalena Morosan*
- EP4-13** **Real life efficacy of liraglutide therapy on weight-loss in obese patients: a retrospective study in 109 consecutive patients**  
*Fabrizio Muratori, Michela Del Prete, Domenico Pellegrino, Federico Vignati, Gianleone Di Sacco*
- EP4-14** **Efficacy of long term intermittent liraglutide 3.0 mg therapy on weight-loss in patients with weight regain after bariatric surgery**  
*Gianleone Di Sacco, Michela Del Prete, Domenico Pellegrino, Federico Vignati, Fabrizio Muratori*
- EP4-15** **Targeted care for adults with severe obesity and advanced knee osteoarthritis: protocol for the POMELO (Prevention Of Muscle Loss in Osteoarthritis) feasibility and pilot randomized trial**  
*Kristine Godziuk, Carla M. Prado, Mary Forhan*
- EP4-16** **Health risks, etiology, diagnosis and treatment of insulin resistance**  
*Ellen Govers, Dave Henry Schweitzer, Tommy Leopold Visscher, Ismay Wiggers*
- EP4-17** **The usefulness of CUN-BAE index as a tool to identify the metabolic risk in people with normal-weight and obesity**  
*Andrea Costa, Jadwiga Konieczna, Barbara Reynés, Marian Martín, Miquel Fiol, Andreu Palou, Dora Romaguera, Paula Oliver*
- EP4-18** **Anthropometric Measures and Risk of Non-Alcoholic Fatty Liver Disease in Patients with Morbid Obesity**  
*Marta Borges Canha, João Sérgio Neves, Fernando Mendonça, Maria Manuel Silva, Cláudia Costa, Pedro M. Cabral, Vanessa Guerreiro, Rita Lourenço, Patrícia Meira, Daniela Salazar, Maria João Ferreira, Jorge Pedro, Ana Varela, Eva Lau, Selma Souto, John Preto, Paula Freitas, Davide Carvalho*
- EP4-19** **Encouraging long-term evolution in extreme obesity maintaining lean mass**  
*Amanda Fernández Menéndez, Clara Yela Salguero, Álvaro Sánchez Jiménez, Paula Labeira Candel, Clotilde Vázquez Martínez*
- EP4-20** **The impact of gender-specific differences in fat-free mass on weight-loss**  
*Aoife Egan, John Rayman, Margaret Rayman, Kelly Johnston, Adam Collins*
- EP4-21** **Personalized Nutrition and eHealth: Design and Methods of the Lifestyle Intervention (LION) Study for Weight Loss and Maintenance in Adults with Obesity**  
*Anna Reik, Vincent Winkler, Meike Wiechert, Hans Hauner, Christina Holzapfel*
- EP4-22** **Alcohol behaviours and AUDIT results in the context of referral for Bariatric Surgery**  
*Emer O' Malley, Amanda Villiers Tuthill, Ruth Yoder, Cathy Breen, Colin Dunlevy, Jean O' Connell*
- EP4-23** **Drug utilization study of liraglutide in Europe – Investigating the potential for real-world misuse of Victoza and Saxenda to obtain weight loss**  
*Paolo Sbraccia, Jens Aberle, Nicholas Birch Jørgensen, Anne Helene Olsen, Dorthe Skovgaard, Atheline Major-Pedersen*
- EP4-24** **Statin therapy among bariatric patients: impact on metabolic outcomes and diabetes status**  
*Fernando Mendonça, Maria Manuel Silva, Marta Borges Canha, João Sérgio Neves, Cláudia Costa, Pedro Cabral, Vanessa Guerreiro, Rita Lourenço, Patrícia Meira, Maria João Ferreira, Daniela Salazar, Jorge Pedro, Ana Varela, Eva Lau, Selma Souto, Paula Freitas, Davide Carvalho, Crio Group*
- EP4-25** **Beneficial Effect of Semaglutide 2.4 mg Once Weekly on Patient-Reported Outcome Measures of Weight-Related and Health-Related Quality of Life in Adults With Overweight or Obesity in the STEP 1 Trial**  
*Domenica M Rubino, Jakob B Bjorner, Robert F Kushner, Sue D Pedersen, Donna H Ryan, Marie TD Tran, Lisa von Huth Smith, Sean Wharton, Niels Zeuthen, Ronette L Kolotkin*
- EP4-26** **Circulating interleukins, other adipocytokines and gut microbiota-related metabolite levels as predictors of metabolic bariatric surgery outcome**  
*Laia Bertran, Miguel Lopez Dupla, Jessica Ramos, David Riesco, Ajla Alibalic, Carmen Aguilar, Mercè Sirisi, Fátima Sabench, Daniel Del Castillo, Cristóbal Richart, Teresa Auguet*
- EP4-27** **Metabolic Abnormalities and Cardiovascular Risk in Apparently Healthy Normal Weight Individuals in North Indian Population**  
*Meenakshi Mann, Manisha Taneja, Deepak Gupta, Brij Mohan Makkar*



## E-POSTERS

- EP4-28** **Severe Obesity Is Associated with Altered Gut Microbiota Biotin Metabolism and Host Biotin Status**  
*Lise Voland, Jean Debédât, Eugeni Belda, Camille Gambin, The Metacardis Consortium, Tiphaine Le Roy, Karine Clément*
- EP4-29** **Lifestyle intervention for morbid obesity management in practice**  
*Anca Mihaela Hancu*
- EP4-30** **The impact of COVID-19 emergency on weight and nutritional habits of patients who underwent bariatric surgery**  
*Nicola Salituro, Ilaria Di Cintio, Lorenzo Piva, Cristina Sciacovelli, Rita Teglia, Jennifer Malandra, Alessandro Agostini, Paolo Bernante, Matteo Rottoli, Francesca Balsamo, Gilberto Poggioli, Uberto Pagotto, Silvia Garelli*
- EP4-31** **Energy balance behaviours associated with successful weight loss in women with overweight and obesity engaged in a 14-week weight loss programme**  
*Anna Myers, Diana Camidge, Fiona Croden, Catherine Gibbons, John Blundell, Graham Finlayson, Nicola Buckland*
- EP4-32** **Challenges in the management of geriatric obesity**  
*Hassan Massoud Heshmati*
- EP4-33** **The effectiveness of motivational interviewing in primary care in people with overweight and obesity**  
*Itsaso Palacios, Idoia Iturbe, Idoia Lion, Edurne Maiz, Enrique Echeburúa, Eva Pereda Pereda*
- EP4-34** **COPD- Obesity paradox or challenge ?**  
*Anca Mihaela Hancu*
- EP4-35** **Lipid normalization is independent benefit of bariatric surgery regardless of glycaemia normalization**  
*Igor Sklyanik, Ekaterina Shestakova, Iurii Stafeev, Mikhail Menshikov, Alexander Vorotnikov, Kamil Yah'yaev, Anatoly Yurasov, Yelena Parfyonova, Marina Shestakova*
- EP4-36** **Projecting the prevalence of obesity and alcohol-related non-communicable diseases in France from 2020 to 2030 using multi-risk microsimulation methods: preliminary results**  
*Joshua Card Gowers, Daniel Ohrenstein, Laura Webber, Hannah Graff, Juan Vesga, Maria Buti, Helena Cortez Pinto, Peter Jepsen, Jeffrey Lazarus, Francesco Negro, Pierre Nahon, Nick Sheron, Marietav Simonova, Shira Zelter, Lise Retat*
- EP4-37** **Continued Treatment with Semaglutide 2.4 mg Leads to Sustained Improvements in Cardiometabolic Risk Factors in the STEP 4 Trial**  
*W. Timothy Garvey, Meena Bhatta, Melanie Davies, John E Deanfield, Camilla Jensen, Usman Khalid, Robert Kushner, Domenica M Rubino, Subodh Verma, Mikhail Kosiborod*
- EP4-38** **Treatment with Semaglutide 2.4 mg Leads to Improvements in Cardiometabolic Risk Factors in the STEP 1 Trial**  
*W. Timothy Garvey, Meena Bhatta, Melanie Davies, John E Deanfield, Usman Khalid, Mikhail Kosiborod, Robert Kushner, Domenica M Rubino, Niels Zeuthen, Subodh Verma*
- EP4-39** **The effect of an ACT and mindfulness group intervention on psychological and physical well-being of adults struggling with overweight: a preliminary study**  
*Idoia Iturbe, Iratxe Urkia, Eva Pereda Pereda, Enrique Echeburúa, Edurne Maiz*
- EP4-40** **Improvement of the 10-Year Atherosclerotic Cardiovascular Disease Risk with Once-Weekly Semaglutide 2.4 mg in Adults with Overweight or Obesity – Post-Hoc Analysis of the STEP 1 Trial**  
*Melanie Davies, Meena Bhatta, John E Deanfield, W Timothy Garvey, Usman Khalid, Robert Kushner, Domenica M Rubino, Subodh Verma, Niels Zeuthen, Mikhail Kosiborod*
- EP4-41** **The impact of personalized lifestyle advice on type 2 diabetes remission as compared to usual care in newly diagnosed type 2 diabetics in a primary care setting in the Netherlands**  
*Iris M. De Hoogh, Wilrike J. Pasman, André Boorsma, Ben Van Ommen, Suzan Wopereis*
- EP4-42** **Evaluation of relationship between metabolic syndrome, visceral adiposity index and lipid accumulation product in people with obesity**  
*Feray Akbas, Hanife Usta Atmaca, Serife Degirmencioglu*
- EP4-43** **Postprandial Hypoglycaemia following bariatric surgery; a case report**  
*Hassan Kahal, Jeanette Lamb, Fleur Talbot, Georgina Russell, Kathryn Lonnen*
- EP4-44** **The impact of bariatric surgery on the advanced glycation end-products in patients with morbid obesity**  
*Enzamaría Fidilio, Angel M Ortiz Zuñiga, Francesca Fillipi Arriaga, Marta Comas, Marta Sanchez Perez, Irene Hernandez, Efrain Cordero, Andreea Ciudin*
- EP4-45** **Secondary normocalcemic hyperparathyroidism (NCHP) after bariatric surgery in relation to weight loss effects – a retrospective analysis**  
*Rebeka Jörg, Michael Krebs, Gerhard Prager, Felix Langer, Bianca Karla Itarri*



## E-POSTERS

- EP4-46** "Old" SADI'S versus "New" SADI'S: the importance of the length of the common alimentary loop in the evolution of patients with morbid obesity that undergo bariatric surgery  
*Pilar Costa, Angel Michael Ortiz, Marta Comas, Alba Zabalegui, Efrain Cordero, Irene Hernandez, Alba Rojano, Ramon Vilallonga, Andreea Ciudin*
- EP4-47** Management of Late Dumping Syndrome Induced Hypoglycemia with GLP-1R agonist  
*Amna Ali Shaghoul, Naglaa Mohammed Mesbah Mohammed Mesbah, Razan Khaled Ballani*
- EP4-48** Weight-Loss Maintenance with Once-Weekly Semaglutide 2.4 mg in Adults with Overweight or Obesity Reaching Maintenance Dose (STEP 4)  
*Domenica M Rubino, Niclas Abrahamsson, Melanie Davies, Dan Hesse, Frank L Greenway, Camilla Jensen, Ildiko Lingway, Ofri Mosenzon, Julio Rosenstock, Miguel A Rubio, Gottfried Rudofsky, Sayeh Tadayon, Thomas Wadden, Dror Dicker*
- EP4-49** Patient on CAPD undergoing sleeve gastrectomy  
*Guitar Hassanen, Helen Ashby*
- EP4-50** Once-Weekly Subcutaneous Semaglutide 2.4 mg Reduces Body Weight in Adults With Overweight or Obesity Regardless of Baseline Characteristics (STEP 1)  
*Robert F Kushner, W Timothy Garvey, Dan Hesse, Anna Koroleva, Soo Lim, Ildiko Lingway, Ofri Mosenzon, Signe OR Wallenstein, Thomas A Wadden, Carel W le Roux*
- EP4-51** Developing a new equation for assessment of Appendicular Lean Mass using Bioelectrical Impedance Analysis in People with Obesity  
*Maria D Ballesteros Pomar, Elena González Arnáiz, Begoña Pintor De La Maza, Isidoro Cano Rodríguez*
- EP4-52** Bioelectrical impedance analysis in the assessment of fat mass and appendicular lean mass in people with obesity using different equations  
*Elena González Arnáiz, Maria D Ballesteros Pomar, Begoña Pintor De La Maza, Isidoro Cano Rodríguez*
- EP4-53** Maintenance - key challenge in obesity  
*Anca Mihaela Hancu*
- EP4-54** Safety of biliopancreatic diversion after 20 years: A single centre experience  
*Bryan Francois Rodriguez Montalvan, Luis Alberto Vazquez Salvi, Maria Isabel Alvarez Schettini, Ricardo Batanero Maguregui, Gabriela Alexandra Zapata Maldonado, Coral Montalban Carrasco*
- EP4-55** Big data and the what, why and how of economic simulation modelling of obesity: The need for greater international collaboration and coordination  
*Bønnaug Ødegård, Kevin Balanda, Gudrun Waaler Bjørnelv, Vidar Halsteinli, Samira Barbara Jabakhanji, Diana Sonntag, Grace O' Malley*
- EP4-56** Clinically-Relevant Weight Loss is Achieved Independently of Early Weight Loss Response to Once-Weekly Subcutaneous Semaglutide 2.4 mg (STEP 4)  
*Robert F Kushner, W Timothy Garvey, Dan Hesse, Anna Koroleva, Soo Lim, Ildiko Lingway, Ofri Mosenzon, Signe Or Wallenstein, Thomas A Wadden, Carel W le Roux*
- EP4-57** Pancreatic uptake of radiolabeled exendin as a measure of beta cell mass in type 2 diabetes before and after bariatric surgery  
*Laura Deden, Marti Boss, Hans De Boer, Edo Aarts, Eric Hazebroek, Maarten Brom, Frits Berends, Martin Gotthardt*
- EP4-58** What threshold of insulin resistance is associated with prediabetes in subjects with weight excess? Results from a cross-sectional study  
*Gabriella Pugliese, Luigi Barrea, Daniela Laudisio, Sara Aprano, Silvia Savastano, Annamaria Colao, Giovanna Muscogiuri*
- EP4-59** A characterization of the psychosocial impact of COVID-19 lockdown in post-bariatric surgery patients  
*Silvia Félix, Marta De Lourdes, Joana Pinheiro, Bruna Cunha, Sofia Ramalho, Ana R. Vaz, Paulo P. P. Machado, Eva Conceição*
- EP4-60** The relation between cortisol and anthropometric measurements throughout lifespan: a systematic review and meta-analysis  
*Eline S. Van Der Valk, Ozair Abawi, Mostafa Mohseni, Amir Abdelmoumen, Vincent L. Wester, Bibian Van Der Voorn, Anand M. Iyer, Erica L. T. Van Den Akker, Sanne E. Hoeks, Yolanda B. De Rijke, Tobias Stalder, Liesbeth F. C. Van Rossum*
- EP4-61** Inflammation, cardiometabolic obesity phenotype and biochemical health markers in women outside of pregnancy  
*Sarah Louise Killeen, David F Byrne, Aisling A Geraghty, Mark T Kilbane, Patrick J Twomey, Malachi J Mckenna, Rachel K Crowley, Cara A Yelverton, Radka Saldova, Douwe Van Sinderen, Paul D Cotter, Eileen F Murphy, Fionnuala M McAuliffe*
- EP4-62** Efficacy and Safety of Semaglutide 2.4 mg Once-Weekly in Adults with Overweight or Obesity and Type 2 Diabetes (STEP 2)  
*Melanie Davies, Louise Færch, Ole Kleist Jeppesen, Arash Pakseresh, Sue D Pedersen, Leigh Perreault, Julio Rosenstock, Ichiro Shimomura, Adie Viljoen, Thomas Wadden, Ildiko Lingway*



## E-POSTERS

- EP4-63** Eating behaviors and weight outcomes in post-bariatric surgery patients during the COVID-19 pandemic: A three-year longitudinal study  
*Eva Conceição, Marta De Lourdes, Sofia Ramalho, Sílvia Félix, Ana Pinto Bastos, Ana Vaz, Paulo Machado*
- EP4-64** Semaglutide 2.4 mg Once Weekly Reduces Appetite, Reduces Energy Intake and Improves Control of Eating in Subjects With Obesity  
*Dorthe Skovgaard, Astrid Breitschaft, Alicja Wizert, Sayeh Tadayon, Martin Friedrichsen*
- EP4-65** In adults with obesity, long-term cortisol levels are not associated with eating behavior; neither are their changes in response to a combined lifestyle intervention  
*Susanne Kuckuck, Eline S. Van Der Valk, Anton J. W. Scheurink, Sjoerd A. A. Van Den Berg, Elisabeth F. C. Van Rossum*
- EP4-66** Efficacy and Safety of Once-Weekly Subcutaneous Semaglutide 2.4 mg in Adults With Overweight or Obesity (STEP 1)  
*John P.H. Wilding, Rachel L. Batterham, Salvatore Calanna, Melanie Davies, Luc F. Van Gaal, Ildiko Lingvay, Barbara M. McGowan, Julio Rosenstock, Marie TD Tran, Thomas Wadden, Sean Wharton, Koutaro Yokote, Niels Zeuthen, Robert F. Kushner*
- EP4-67** A qualitative study using semi-structured interviews to understand attrition in a tier 2 NHS adult weight management service  
*Jordan Everitt, Enzo Battista Dowds, Dan Heggs, Amanda Squire*
- EP4-68** Identifying variables that predict completion and early dropout in a tier 2 NHS Adult Weight Management Service  
*Jordan Everitt, Enzo Battista Dowds, Daniel Heggs, Paul Hewlett, Amanda Squire*
- EP4-69** Individual nutrients, foods, and dietary programs for weight loss in overweight and obese adults: an umbrella review of 76 meta-analyses reporting 92 dietary interventions among 43,870 participants  
*Ahmad Jayedi, Bradley C. Johnston, Sepideh Soltani, Geoff Ball, Sakineh Shab Bidar*
- EP4-70** Pouch emptying in standard, banded and extended-pouch Roux-en-Y gastric bypass  
*Yonta Van Der Burgh, Stijn Van Der Linden, Abel Boerboom, Frits Berends, Laura Deden, Eric Hazebroek*
- EP4-71** Canadian trends in bariatric surgery  
*Amer Jarrar, Anne Hardy Henry, Nicole Kolozsvari*
- EP4-72** Performance of the preoperative neutrophil-lymphocyte ratio (NLR) as a predictor of early complications after sleeve gastrectomy  
*Luz Fiorella Huertas Campos, Luciana Torres Pesantes, Julio Orlando Rodriguez Sagastegui, Jesus Pinto Elera, Gustavo Salinas Sedo, Carlos Jesus Toro Huamanchumo*
- EP4-73** Pentraxin-3 Time-course During a Very-Low Calorie Ketogenic Diet in Obesity Patients  
*Paula M. Lorenzo, Ignacio Sajoux, M Angeles Zulet, Javier Baltar, Aurelio Sueiro, Francisco J. Tinahones, J. Alfredo Martinez, Ana B. Crujeiras, Felipe F. Casanueva*
- EP4-74** Body mass index correlates with advanced fibrosis in patients with diabetes and NAFLD, but not with cardiovascular complications  
*Jonathan Mertens, Jonas Weyler, Luisa Vonghia, Eveline Dirinck, Sven Francque, Christophe De Block*
- EP4-75** Integration of genotypical and hormonal data for precision nutrition in non-syndromic obesity resistant to weight loss: A clinical case report according to CARE methodology  
*Fernando Rojo Fernández, Ramón De Cangas Morán, Jose Ramón Bahamonde Nava, Guillermo Nicieza Forcelledo, David Zamarréño Ortiz, Haldio Hernández Monzón, Karina Torres Escandón*
- EP4-76** Men with hypogonadism and excessive obesity benefit from long-term testosterone therapy – update of real-world data from a registry study  
*Farid Saad, Ahmad Haider, Karim Sultan Haider, Gheorghe Doros, Abdulmageed Traish*
- EP4-77** Long-term testosterone therapy improves lipid profile and blood pressure in overweight and obese men with functional hypogonadism: real-world data from 6913 patient-years  
*Farid Saad, Ahmad Haider, Karim Sultan Haider, Gheorghe Doros, Abdulmageed Traish*
- EP4-78** Long-term testosterone therapy improves liver metabolism in overweight and obese men with hypogonadism: 12-year real-world data from a registry study  
*Farid Saad, Ahmad Haider, Karim Sultan Haider, Gheorghe Doros, Abdulmageed Traish*
- EP4-79** Sustained reductions in weight and waist circumference achieved by long-term testosterone therapy over 12 years in men with hypogonadism and type 2 diabetes: real-world data from a registry study  
*Farid Saad, Ahmad Haider, Karim Sultan Haider, Gheorghe Doros, Abdulmageed Traish*
- EP4-80** Effect on weight of homemade meals in women with overweight or obesity: a randomised controlled trial  
*Antonio Laguna Camacho, Maria De Jesús Serrano Plata*



# LATE BREAKING POSTERS



## LATE BREAKING POSTERS

LBP-02	<b>The effects of an aspalathin-rich Rooibos (<i>Aspalathus linearis</i>) extract on metabolic parameters and adipose tissue biology in rats fed different obesogenic diets.</b> <i>Liske Kotze Horstmann, Birhanu Ayele, Diribsa Bedada, Rabia Johnson, Lawrence Mabasa, Samukelisiwe Shabalala, Hanel Sadie Van Gijzen</i>
LBP-03	<b>Dietary butyrate promotes intestinal GLP-1 release to reduce appetite and induce fat oxidation via central GLP-1 receptor signaling</b> <i>Zhuang Li, Enchen Zhou, Sander Kooijman, Ko Willems Van Dijk, Patrick Rensen, Yanan Wang</i>
LBP-04	<b>Synthesis and Biochemical Evaluation of NPY1R-selective Peptide Conjugates for Targeting Adipocytes</b> <i>Anna Kruscha, Annette Gabriele Beck Sickinger</i>
LBP-05	<b>Impaired mRNA splicing and proteostasis in preadipocytes in obesity-related metabolic disease</b> <i>Julia Sánchez Ceinos, Rocío Guzmán Ruiz, Oriol A. Rangel Zuñiga, Elena Moreno Caño, Mercedes Del Río Moreno, Elsa Maymo Masip, Joan Vendrell, Sonia Fernández Veleo, Jurga Laurencikiene, Mikael Rydén, Antonio Membrives, Raúl M. Luque, José López Miranda, María M. Malagón</i>
LBP-06	<b>Risk markers of inflammation in patients with type-2 diabetes and hypertension</b> <i>Mohammed S Ellulu, Hanen Samouda</i>
LBP-07	<b>Tissue-specific functions of the inflammasomes in colon cancer development in an obesity context</b> <i>Victoria Catalán, Javier Gómez Ambrosi, Beatriz Ramírez, Amaia Rodríguez, Sara Becerril, Xabier Unamuno, Amaia Mentxaka, Jorge Baixauli, Patricia Ahechu, Victor Valentí, Rafael Moncada, Gabriel Reina, Camilo Silva, Gema Frühbeck</i>
LBP-08	<b>Essential role of OPA-1 in the functionality of thermogenesis in the brown adipose tissue</b> <i>Beatriz Jiménez, Gema García, Patricia Marqués, Carlos González Blanco, Jesús Burillo, Carlos Guillén, Manuel Benito</i>
LBP-09	<b>Secretome of adipose-derived stem cells is altered in type 2 diabetic patients</b> <i>Miriam Ejarque, Joan Sabadell Basallote, Catalina Núñez Roa, Antonio Zorzano, Joan Vendrell, Soni Fernández Veleo</i>
LBP-10	<b>Do changes in meal-induced food reward differ between women with or without overweight/obesity?</b> <i>Pauline Oustric, Kristine Beaulieu, Nuno Casanova, Dominic O'connor, Catherine Gibbons, Mark Hopkins, John Blundell, Graham Finlayson</i>
LBP-11	<b>Effect of broccoli (<i>Brassica oleracea</i> var <i>italica</i>) flour by-products on hepatic oxidative stress in a murine model of obesity</b> <i>Ana Rita Guedes Sequeira, Luís Manuel Lourenço Félix, Sandra Mariza Veiga Monteiro, Tânia Sofia Cordeiro Martins, Paula Alexandra Martins Oliveira, Maria João Miranda Pires, Bruno Jorge Antunes Colaço, Ana Isabel Novo Barros, Eduardo Augusto Santos Rosa, Luís Miguel Marques Antunes, Carlos Alberto Silva Venâncio</i>
LBP-12	<b>The complement system activity and lipid metabolism among patients with central obesity</b> <i>Sofya Eliashevich, Oxana Drapkina, Batojab Shoibonov</i>
LBP-13	<b>Impact of rapamycin in mitophagy and adaptive thermogenesis in BATIGF1RKO mice</b> <i>Patricia Marqués, Beatriz Jiménez, Gema García, Jesús Burillo, Carlos González, Carlos Guillén, Manuel Benito</i>
LBP-14	<b>The expression of mir-200b and mir-103 in saliva may reflect an unhealthy simple sugar intake.</b> <i>Maria De Lucas, Joan Roig, Andreu Palou, Juana Sánchez, Francisca Serra</i>
LBP-15	<b>Effects of ADHD and obesity on the leptin and ghrelin levels</b> <i>Frank Faltraco, Denise Palm, Adriana Uzoni, Johannes Thome</i>
LBP-16	<b>Bioelectrical impedance analysis (BIA)-derived phase angle in adult patients with obesity: a systematic review</b> <i>Olivia Di Vincenzo, Maurizio Marra, Iolanda Cioffi, Anna Maria Sacco, Rosa Sammarco, Fabrizio Pasanisi, Luca Scalfi</i>
LBP-17	<b>Oleylethanolamide counteracts obesity-related metabolic and inflammatory alterations by modulating hepatic mitochondrial function and efficiency in diet-induced obese mice.</b> <i>Fabiano Cimmino, Angela Catapano, Giovanna Trinchese, Gina Cavaliere, Concetta Sarro, Eduardo Penna, Amelia Pizzella, Michela Caporino, Maria Cristina Realfonzo, Marianna Crispino, Maria Pina Mollica</i>
LBP-18	<b>In The Development Of Diabetes, The Role Of TGFB And Comparison With TGFB And PPAR Expression In Pancreatic Beta Cell</b> <i>Gülşen Arslan</i>
LBP-19	<b>Evaluating 12 years of Implementing a Multidisciplinary Specialist Child and Adolescent Obesity Treatment Service: Patient-Level Outcomes</b> <i>Cathy Wyse, Lucinda Case, Grainne Barrett, Maeve Muldoon, Norah Jordan, Lois Mccrea, Rachel Flanagan, Sarah Delaney, Louise Tully, Niamh Arthurs, Mckenzie Dow, Grace O'Malley</i>
LBP-20	<b>Big Data Collection in Vulnerable Populations: Application to Real World Clinical and Public Health Settings</b> <i>Grace O'Malley, Niamh Arthurs, Arsalan Shahid, Gerardine Doyle, Sarah Browne, Tahar Kechadi</i>



## LATE BREAKING POSTERS

- LBP-21** **Can executive function training improve short- and long-term weight control in children with obesity: a randomized controlled trial.**  
*Eline Vermeiren*, Annelies Van Eyck, Tiffany Naets, Leentje Vervoort, Nele Baeck, Wendy Degroote, Ann Deguchtenaere, Maria Van Helvoirt, Luc Bruyndonckx, Benedicte De Winter, Stijn Verhulst, Kim Van Hoorenbeeck, Caroline Braet
- LBP-22** **Hypertriglyceridemic waist phenotype and metabolic risk factors in Brazilian adolescents**  
*Ana Paula Carlos Candido*, Felipe Silva Neves, Lauriane Barbosa Pires, Vanessa Sequeira Fontes, Eliane Rodrigues Faria, Michele Pereira Netto, Renata Maria Souza Oliveira, George Luiz Lins Machado Coelho
- LBP-23** **Laparoscopic sleeve gastrectomy for patients under 18 years old with severe obesity.**  
*Panagiotis Lainas*, Gianpaolo De Filippo, Carmelisa Dammaro, Rodi Courie, Gabriel Perlemuter, Ibrahim Dagher
- LBP-24** **Sweet Rules – Does parental restriction reduce children's consumption of foods containing mono- and disaccharides?**  
*Carina Mueller*, Lorette Van Seeters, Gertrude G. Zeinstra, Kees De Graaf, Gerry Jager
- LBP-25** **Clinical practice guidelines for the prevention of childhood obesity: a systematic review**  
*Michelle Gooley*, Peter Bragge, Kostas Hatzikiriakidis, Elizabeth Sturgiss, Heidi Bergmeier, Helen Skouteris
- LBP-26** **Shorter sleep, increased proximity to technological devices at night, and modified melatonin expression in children with obesity**  
*Marie Gombert*, Vanessa Martin Carbonell, Alvaro Carrasco Garcia, Gonzalo Pin Arboledas, Joaquin Carrasco Luna, Pilar Codoñer Franch
- LBP-27** **Effects of growth hormone treatment on anthropometric, biochemical and cellular stress profile in children with Prader-Willi syndrome**  
*Álvaro Carrasco García*, Marie Gombert, Vanesa Martin Carbonell, Joaquin Carrasco Luna, Francisco Dasi Fernández, Pilar Codoñer Franch, Pilar Codoñer Franch
- LBP-28** **Obesity genes and eating architecture: is a high-BMI polygenic risk score associated with the size, timing and frequency of eating in children?**  
*Francisca Ibacache*, Manos Magklis, Laura Johnson
- LBP-29** **Effects of replacing time spent on sedentary behavior by moderate to vigorous physical activity in children with normal and excessive body fat.**  
Moreno Bloch, José Carlos Ribeiro, *Andreia Pizarro*
- LBP-30** **Early diagnosis of visceral obesity in elementary school children**  
Iuliia Samoilova, Ludmila Ogorodova, Olga Fedorova, *Daria Podchinenova*, Oxana Oleynik, Maria Matveeva, Nargiz Diraeva, Anna Tarabrina, Alexei Filimonov, Ekaterina Trifonova
- LBP-31** **Pediatric Daytime Sleepiness Scale and anthropometric parameters in Brazilian adolescents**  
*Larissa Machado Lopes*, Vanessa Sequeira Fontes, Felipe Silva Neves, Priscila Moreira De Lima Pereira, Eliane Rodrigues Faria, Renata Maria Souza Oliveira, Michele Pereira Netto, Ana Paula Carlos Candido
- LBP-32** **Effects of physical activity intervention on body measures in adolescents: a cluster randomized controlled trial**  
*Bebiana Sabino*, Maria João Almeida, António Manuel Fonseca
- LBP-33** **Pediatric obesity pandemic**  
*Hassan Massoud Heshmati*
- LBP-34** **The role of the rs939609 polymorphism of the FTO gene in the development of NAFLD in children with obesity: a pilot study**  
*Elena Pavlovskaya*, Tatiana Strokova, Nataliya Shilina, Elena Sorokina
- LBP-35** **Non alcoholic fatty liver disease in pediatric severe obesity: is there a marker?**  
*Irene Cuccurullo*, Maurizio Marra, Brunella Capaldo, Enza Mozzillo, Delia Morlino, Fabrizio Pasanisi, Adriana Franzese
- LBP-36** **Inter-tissue gene co-expression clusters from visceral adipose and skeletal muscle tissue are associated with cardiometabolic traits in children with obesity**  
Mireia Bustos Aibar, Concepción María Aguilera, Abel Plaza florido, Francisco Javier Ruiz Ojeda, Inés Tofe, Jesús Alcalá Fdez, Mercedes Gil Campos, Ángel Gil, Julio Plaza Díaz, *Augusto Anguita Ruiz*
- LBP-37** **Healthy eating in the wild: An experience sampling study assessing the barriers and facilitators to dietary goal success**  
*Jan Michael Bauer*, Kristian Steensen Nielsen, Wilhelm Hofmann, Lucia A. Reisch
- LBP-38** **Obesity in nursing home residents: association to common care problems**  
*Silvia Bauer*, Doris Eglseer, Franziska Grossschädl
- LBP-39** **Nursing care problems of ICU patients with obesity in Austria**  
*Franziska Großschädl*, Silvia Maria Bauer





### LATE BREAKING POSTERS

LBP-40	<b>Assessment phytosterols intake in students with overweight and obesity</b> <i>Aleksei A Korolev</i> , Elena A Fanda, Elena I Nikitenko, Irina V Barasheva, Elena L Denisova, Ekaterina V Kirpichenkova, Roman N Fetisov, Olga L Popova, Lubov Yu Kuznetsova, Ekaterina S Petrova
LBP-41	<b>Overweight and obesity health-related behaviors among Portuguese higher education students</b> <i>Bebiana Sabino</i> , Vânia Loureiro, Nuno Loureiro
LBP-42	<b>Two novel biochemical-anthropometric indexes for early prediction of metabolic syndrome in Mexican healthy adults.</b> <i>Priscila Irene Aguirre-Tostado</i> , Patricia Lizett Rodríguez-Carrillo, Armando Gómez-Ojeda, Maciste Habacuc Macías-Cervantes, Claudia Luévano-Contreras
LBP-43	<b>Mexican adiposity index and cut-off value of visceral fat area to estimate cardiometabolic risk in Mexican healthy adults.</b> <i>Patricia Lizett Rodríguez-Carrillo</i> , Priscila Irene Aguirre-Tostado, Maciste Habacuc Macías-Cervantes, Jorge Alejandro Alegría-Torres, Claudia Luévano-Contreras
LBP-44	<b>Structuring a therapy model for bariatric patients: demands and concerns.</b> <i>Savvas Karasavvidis</i> , Elias Sdralis
LBP-45	<b>Patient's behavioral outcomes after the bariatric surgery: A phenomenological approach.</b> <i>Savvas Karasavvidis</i> , Elias Sdralis
LBP-46	<b>Working with the postbariatric patient's groups: the most discussed topics.</b> <i>Savvas Karasavvidis</i> , Elias Sdralis
LBP-47	<b>Association between functional and novel food consumption frequency and obesity anthropometric indexes, in a sample of healthy volunteers: a retro prospective study</b> <i>Olga Papagianni</i> , Eleni Maniati, Antonios Pegkos, Euaggelia Lolou, Eleni Okoutsidou, Grigorios Livieratos, Sentilian Kiafkgkovanta, Charalampia Dimou, Antonios Koutelidakis
LBP-48	<b>Association between BMI and the risk of positive SARS-CoV-2 testing</b> <i>Hadar Milloh Raz</i> , Miriam Ben Hamo, Noga Chlamtac Minsky, Gabriella Segal-Lieberman
LBP-49	<b>How is COVID-19 shaping families' relationships with food and food environments? A longitudinal qualitative study</b> <i>Anna Isaacs</i> , Charlotte Gallagher Squires, Corinna Hawkes
LBP-50	<b>What policy options will be effective in encouraging healthy feeding practices among infants and young children?</b> <i>Anna Isaacs</i> , Kimberley Neve, Corinna Hawkes
LBP-51	<b>Prevalence of obesity in a Roma population in patients with lower extremity diabetes-related complications</b> <i>Andrada Cosoreanu</i> , Emilia Rusu, Andra Elena Nica, Alexandra Alexescu, Georgiana Enache, Gabriela Radulian
LBP-52	<b>Associations between daily dietary variety, portion size, and body weight: Prospective evidence from 35,524 UK Biobank participants</b> <i>Rochelle Embling</i> , Menna Price, Michelle D. Lee, Alex Jones, Laura L. Wilkinson
LBP-53	<b>Medical and social determinants of bariatric surgery in people with obesity living a large multicultural urban city in the Netherlands</b> <i>Hannah Van Den Heuvel</i> , Valerie Montpellier, Rimke Vos
LBP-54	<b>Development of person-centred obesity management support during disruption: The REJOIN project</b> <i>Anna Chisholm</i> , Anna Coates, Emma Boyland, Charlotte Hardman
LBP-55	<b>Chronotype, social jetlag and body composition in German students: what is the role of physical activity behaviour and did the lockdown affect this?</b> <i>Bettina Krueger</i> , Bianca Stutz, Nicole Jankovic, Ute Alexy, Anette Elisabeth Buyken
LBP-56	<b>Economic impacts of overweight and obesity: current and future estimates for eight countries</b> <i>Garrison Spencer</i> , Adeyemi Okunogbe, Rachel Nugent
LBP-57	<b>Development and delivery of a 6 week online educational programme developing knowledge on obesity &amp; weight management amongst a group of Health Care Providers (HCP) in Pakistan.</b> <i>Katie E Lowe</i> , Rachel Davies, M. Aleem Zahir, Karuna Chellaram Hathiramani, John Stephen Davies
LBP-58	<b>Development of online CME resources assessing understanding and interpretation of evidence-based weight management amongst healthcare professionals during the pandemic.</b> <i>Katie E Lowe</i> , Rachel Davies, Sue Cunliffe, John Stephen Davies
LBP-59	<b>Barriers and facilitators to implement national guidelines about weight management in primary care: a quantitative study using TDF</b> <i>Ana Trovisqueira</i> , Sónia Gonçalves, Pedro Graça, Gustavo Tato Borges, Falko Sniehotta, Vera Araújo Soares





### LATE BREAKING POSTERS

LBP-60	<b>Pro-inflammatory diet is associated with adiposity and metabolic health: data from the Nutritionists' Health Study</b> Alfredo Shigueo Hanada, Renata Germano Borges De Oliveira Nascimento Freitas, Isabela Solar, Francieli Barreiro Ribeiro, Nitin Shivappa, James R Hébert, Bianca Almeida Pititto, <u>Bruno Geloneze</u> , Sandra Roberta Gouvea Ferreira, Ana Carolina Junqueira Vasques
LBP-61	<b>How to tell patients they need to lose weight? Preferences of 1,697 overweight and obese individuals.</b> <u>Lena Sagi Dain</u> , Moran Echar
LBP-62	<b>Obesity and natural spaces in adults and older people: a systematic review</b> <u>Andreia Carvalho Teixeira</u> , Ronaldo Calçada Gabriel, Luís Sousa Quaresma, Ana Pires Alenção, José Martinho Lourenço, Helena Rodrigues Moreira
LBP-63	<b>Plasma 25-hydroxvitamin D concentrations are longitudinally associated with insulin resistance, waist circumference and triglycerides during puberty</b> <u>Esther Maria Gonzalez Gil</u> , Liliana Viviana Pires, Augusto Anguita Ruiz, Gloria Bueno, Mercedes Gil Campos, Rocío Vazquez Cobela, Luis Alberto Moreno, Angel Gil, Rosaura Leis, Concepcion Maria Aguilera
LBP-64	<b>Connectedness to nature doesn't improve body composition in adults and older people</b> <u>Andreia Sofia Carvalho Teixeira</u> , Ronaldo Calçada Gabriel, Mário Santiago Santos, Graça Monteiro Pinto, José Aurélio Faria, Helena Rodrigues Moreira
LBP-65	<b>Obesity as a risk factor for diabetic retinopathy</b> Emilia Rusu, <u>Andrada Cosoreanu</u> , Andra Elena Nica, Florin Rusu, Mihaela Posea, Horatiu Popescu Valceanu, Carmen Dobjanski, Gabriela Radulian
LBP-66	<b>Evaluation of a weight management service adapted to provide continued support during COVID-19 restrictions</b> Amanda Avery, Josef Toon, <u>Sarah Elizabeth Bennett</u> , Jacquié Lavin
LBP-67	<b>Telehealth for patients with obesity: experience of Endocrinology Research Centre</b> <u>Oksana Logvinova</u> , Anna Gorbacheva, Natalia Mokrysheva
LBP-68	<b>The impact of participant mental health on attendance and engagement in a trial of behavioural weight management programmes: Secondary analysis of the WRAP trial.</b> <u>Rebecca A Jones</u> , Julia Mueller, Stephen J Sharp, Ann Vincent, Robbie Duschinsky, Simon J Griffin, Amy L Ahern
LBP-69	<b>Understanding the bigger picture: lived experiences of vulnerable members of immigrant populations living with diabetes and obesity</b> <u>Nicole N. Ofosu</u> , Thea Luig, Yvonne Chiu, Naureen Mumtaz, Roseanne O. Yeung, Karen K. Lee, Denise Campbell Scherer
LBP-70	<b>Scaffold with high potential for in vitro culture of beta-pancreatic cells and future applications in diabetic treatment</b> Manuela Betancur Rodríguez, Martha Londoño López, <u>Natalia Moreno Castellanos</u>
LBP-71	<b>Evaluation of eating habits and quality of life in post-bariatric surgery patients and their family members: a case-control study.</b> <u>Carla Tannous Ibrahim</u> , Kátia Lurbe I Puerto, Joane Matta, Yonna Sacre
LBP-72	<b>Liraglutide for weight management: real world data from Belgium</b> <u>Roman Vangoitsenhoven</u> , Liesbeth Trenson, Sander Trension, Falco Van Nes, Carolien Moyson, Ellen Deleus, Matthias Lannoo, Ann Meulemans, Christophe Matthys, Ann Mertens, Bart Van Der Schueren
LBP-73	<b>Change in carbohydrate intake one year after Roux-en-Y gastric bypass: a prospective study</b> <u>Joke Vliebergh</u> , Ina Gesquiere, Veerle Foulon, Patrick Augustijns, Matthias Lannoo, Ellen Deleus, Ann Meulemans, Chantal Mathieu, Ann Mertens, Christophe Matthys, Bart Van Der Schueren, Roman Vangoitsenhoven
LBP-74	<b>Retrospective cohort study of the predictors of weight loss after 3 months of treatment with Liraglutide for patients with obesity/overweight at the "Centre d'Obésité et de Contrôle du Poids" (COCP)</b> <u>Ghassan Ghassan Moujaes</u> , Jocelyn Eid Fares
LBP-75	<b>The role of cultural brokers in obesity and diabetes care for vulnerable members of immigrant and refugee communities</b> <u>Thea Luig</u> , Nicole N. Ofosu, Yvonne Chiu, Rose O. Yeung, Karen K. Lee, Denise L. Campbell Scherer
LBP-76	<b>Body composition and phase angle after gastric by-pass surgery: a two years follow up study</b> <u>Enza Speranza</u> , Delia Morlino, Maurizio Marra, Michele Giuseppe Iovino, Emilio Manno, Fabrizio Pasanisi
LBP-77	<b>Long-term impact of a commercial adult weight management programme on depression and anxiety: 5-year follow up of the WRAP trial.</b> <u>Rebecca A Jones</u> , Julia Mueller, Stephen J Sharp, Robbie Duschinsky, Simon J Griffin, Amy L Ahern
LBP-78	<b>Single-incision laparoscopic sleeve gastrectomy: lessons learned and outcomes after 1800 consecutive procedures.</b> <u>Panagiotis Lainas</u> , Niaz Devaquet, Styliani Zervaki, Celeste Del Basso, Amandine Lebrun, Rodi Courie, Cosmin Voican, Laurence Plumey, Hadrien Tranchart, Gabriel Perlemuter, Ibrahim Dagher

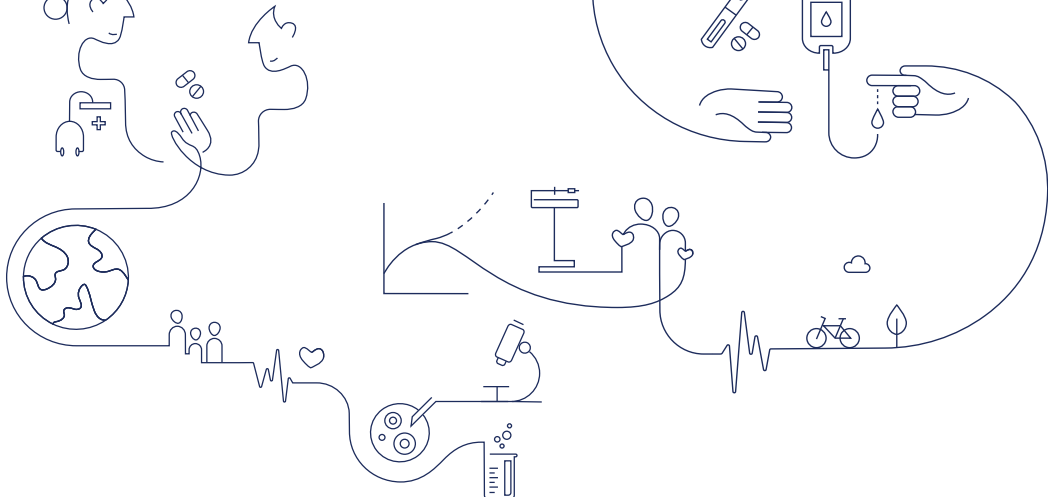


## LATE BREAKING POSTERS

- LBP-79** **Association between obesity and mortality in COVID-19 patients**  
*Viky Adrian Damay*, Bisuk Sedli, Yuanita Langi, Karel Pandelaki
- LBP-80** **Resting Energy Expenditure and body composition before and two years after gastric by-pass surgery in patients with severe obesity**  
*Delia Morlino*, Enza Speranza, Olivia Di Vincenzo, Iolanda Cioffi, Rosa Sammarco, Emilia De Filippo, Maurizio Marra, Fabrizio Pasanisi
- LBP-81** **Effect of multidisciplinary treatment for weight loss on executive functions in subjects with obesity**  
*Emma Adriana Chávez Manzanera*, Erwin Chiquete Anaya, Maura Ramírez Flores, Michel Duran Gomez, Mariana Ramírez Solache, Sylvana Stephano Zuñiga, Lizette Quiroz Casian, Martha Kaufer Horwitz, Carlos Cantú Brito, Mariana Torres Bolongaro Crevenna
- LBP-82** **Gender specific differences in trace element status following Roux-en-Y gastric bypass and vertical sleeve gastrectomy**  
*Wiaam Al Hasani*, Hannah Dorfman, Tina Mazaheri, Ruvini Ranasinghe, Janine Parsley, Spyros Panagiotopoulos, Rochelle Blacklock, Kishor Raja, Ameet Patel, Georgios K Dimitriadis, Royce P Vincent
- LBP-83** **Supporting Weight Management during COVID-19 (SWiM-C): A randomised controlled trial of an acceptance-based behavioural intervention to prevent weight gain during the pandemic**  
*Julia Mueller*, Rebecca Richards, Rebecca A Jones, Fiona Whittle, Jennifer Woolston, Marie Stubbings, Stephen J Sharp, Carly A Hughes, Andrew J Hill, Jennifer Bostock, Simon J Griffin, Amy L Ahern
- LBP-84** **Skin changes as markers of obesity and metabolic syndrome**  
*Veselina Mihaylova*, Teodora Handjieva Darlenska, Razvigor Darlenski
- LBP-85** **Eat or die? A hypoglycemia induced obesity - a case-report**  
*Iva Jakubiková*, Barbora Hagerf, Martin Haluzik
- LBP-86** **Testing protein leverage in patients with gastric bypass: a controlled experimental study**  
*Claudia Martinez-Cordero*, Nantli Rodriguez, Daniel Kusnir, Alberto Siniego, David Raubenheimer, Stephen Simpson, Juan Manuel Malacara
- LBP-87** **PARIS: Protocol for a single centre feasibility study to increase Physical Activity and reduce sedentary behaviour after bariatric Surgery**  
*Jennifer James*, Wendy Hardeman, Helen Eborall, Mark Goodall, John Wilding
- LBP-88** **Reducing Obesity in Elderly Residents**  
*Geoffrey Axiak*
- LBP-89** **Telemedical support to rational eating control as a method for correcting metabolic disorders in central obesity**  
*Sofya Eliashevich*, Oxana Drapkina
- LBP-90** **Virtual Reality Training Tool to Improve Weight-Related Communication Across Healthcare Settings: Usability testing**  
*Fiona Quigley*, Anne Moorhead, Raymond Bond, Toni Mcaloon, Huiru Zheng
- LBP-91** **SlimCap Healthy Lifestyle - An update of a weight loss clinical trial conducted during the COVID-19 pandemic**  
*Kaisa Airaksinen*, Henna Maria Kailanto, Sanna M Mäkelä, Alvin Ibarra, Johanna Maukonen
- LBP-92** **Cold exposure increases plasma FGF21 levels and relates to higher brown adipose tissue in young healthy adults.**  
*Andrea Mendez Gutierrez*, Guillermo Sanchez Delgado, Francisco J. Osuna Prieto, Borja Martinez Tellez, David Sanchez Infantes, Ruben Cereijo, Francesc Villarroya, Jonatan R Ruiz, Concepción M. Aguilera
- LBP-93** **Changes in appetite sensations after bariatric/metabolic surgery**  
*Teodora Handjieva Darlenska*, Maria Kalinkova, Ivana Kalinkova, Tsvetan Popov, Konstantin Grozdev
- LBP-94** **Bowel health at baseline and follow-up during a Level 3 Obesity Service intervention**  
*Cathy Breen*, Sinead Larkin, Lauren Devereux, Katie McCarthy, Mallory Noone, Amanda Rhynehart, Wallace Natalie, Donal O'shea, Jean O'connell
- LBP-95** **The impact of obesity in patients with SARS-CoV-2 infection**  
*Andra Elena Nica*, Emilia Rusu, Carmen Gabriela Dobjanschi, Gabriela Radulian
- LBP-96** **Diabetes As The Risk Factor For The Need of Intensive Care Unit for the Management of COVID-19**  
*Sonali Patange*, Dakshata Padhye, Alka Gandhi, Ami Sanghvi, Ambrish Patange, Shefali Karkhanis, Amit Rajput, Bensley Gonsalves
- LBP-97** **Weight loss outcomes of people enrolling on Slimming World's digital weight management programme via a national public health campaign**  
*Sarah Elizabeth Bennett*, Josef Toon, Jacqui Lavlin
- LBP-98** **Efficacy of Low Dose Liraglutide for Reduction in Body Weight and Glycated Hemoglobin In Patients With Diabetes**  
*Sonali Patange*



# THE COMPANY SPONSORED SYMPOSIA



Symposium on the occasion of  
28th European Congress on Obesity

# Stepping up obesity care: new expectations for pharmacotherapy

Virtual meeting agenda

Tuesday 11 May 2021, 12.30–14.00 CEST

**12.30–12.40 Welcome and introduction**

Chair: Rachel Batterham (UK)

**12.40–13.00 STEP data: weight management in 2021 and beyond**

John Wilding (UK)

**13.00–13.20 Changing the weight management dialogue in type 2 diabetes**

Melanie Davies (UK)

**13.20–13.40 Examining the impact of weight loss**

Carel le Roux (Ireland)

**13.40–14.00 Interactive Q&A and meeting close**

Chair and faculty

**ECO<sup>U</sup> ONLINE 2021**  
28<sup>TH</sup> EUROPEAN CONGRESS ON OBESITY

**MAY 11<sup>th</sup>**  
**12h30-13h30**  
**ROOM 2**

# From fluid intake patterns to behavior change: **HOW TO ENCOURAGE HEALTHY HYDRATION?**

**Chairman:** Luis A. Moreno, MD, Public Health, University of Zaragoza, Spain



## **Living with obesity increases risks from COVID-19**

Jason Halford, PhD, C.Psychol. AFBPSS,  
University of Leeds, UK, President Elect European  
Association for the Study of Obesity (EASO)



## **The role of hydration in dietary practice for people with obesity**

Pauline Douglas, RD, University of Ulster, UK,  
Executive member of the European Federation of the  
Association of Dietitians (EFAD)



## **Do children have a same fluid intake patterns across the world ? Results of six Liq.In<sup>7</sup> cross functional surveys**

Clémentine Morin, MSc Danone Nutricia Research, France



## **A European example : are Spanish children drinking enough and healthily ? An update of the Liq.In<sup>7</sup> cross-sectional survey in children and adolescents**

Iris Iglesias, PhD, University of Zaragoza, Spain



## **The Psychology of Hydration Habits : Automaticity and Reward and effects of the UK pandemic lockdown**

Esther Papies, PhD, Institute of Neuroscience and Psychology and School of Psychology, University of Glasgow, UK





# Industry Symposia

Wednesday 12th May 2021 | 4.45pm (CET)

Exploring Weight Management Models  
in the 21st Century

## Symposium Objectives

With a continuing obesity epidemic, there is a growing and urgent need to focus on health and wellness, and for public health initiatives and objectives to move to meet the challenges of this problem. There is now a huge breadth of evidence on the impact of a sedentary lifestyle and food choices that are low in key nutrients but deliver an excess of calories. This session will focus on the latest thinking on the role of weight management models and the need for 'community' approaches in order to successfully change behaviour and improve public health.

## Symposium Schedule

- |             |   |
|-------------|---|
| <b>4.45</b> | <b>Opening remarks</b><br>Julian Cacchioli<br>Herbalife Nutrition, VP Corporate Affairs EMEA and India  |
| <b>4.50</b> | <b>How the gut talks to the brain</b><br>Professor Carel le Roux<br>PHD, Professor of Experimental Pathology, University College Dublin   |
| <b>5.10</b> | <b>Meal replacement and drug therapy to treat obesity</b><br>Professor Bart van der Schueren<br>MD, PHD, Clinical and Experimental Endocrinology, KU Leuven and<br>Department of Endocrinology, University Hospitals Leuven |
| <b>5.30</b> | <b>Beyond the numbers</b><br>Dr Kent Bradley<br>MD, MPH, MBA, Chief Health and Nutrition Officer at Herbalife Nutrition   |
| <b>5.50</b> | <b>Question and answer session</b>  |



# Should all obesity services across Europe be remote and digital-first in a post-Covid world?

Join Oviva discussing this question at ECO2021

**Wednesday,  
May 12th 2021**

12:30 – 2:00 PM CET



## SPEAKERS



**Dr Simon  
Nienhuijs,**

Bariatric surgeon  
at Catharina  
Hospital Eindhoven,  
Netherlands



**Dr Anne  
Sophie Geier,**

Managing Director  
of Digital Health  
Industry Association,  
Germany



**Lucy Jones,**  
Vice President  
Clinical Oviva, United  
Kingdom



**Ro Huntriss,**  
Global Clinical  
Research Lead  
at Oviva, United  
Kingdom

## ABOUT OVIVA

Oviva empowers everyone to change their habits, improving their long-term health through personalised support and technology. We partner with health insurers, healthcare systems, and doctors to provide easy access for everyone to the care they need.



# CASE-BY-CASE: ADVANCING INDIVIDUALIZED OBESITY CARE

12:30 – 14:00 CET | Thursday 13<sup>th</sup> May 2021  
Available on the ECO 2021 virtual congress platform

Join us to explore real-life case examples  
centred around:

**Weight-loss with lifestyle interventions**

**Supporting individuals with long-term  
weight-loss maintenance**

**Using weight-management pharmacotherapies**

Sean Wharton

Kirsi Pietiläinen

Elisabeth van Rossum

The **Case-by-case: advancing individualized obesity care, Virtual Congress, United Kingdom, 13/05/2021-13/05/2021** has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 1 European CME credits (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME® credit to AMA credit can be found at [www.ama-assn.org/education/earn-credit-participation-international-activities](http://www.ama-assn.org/education/earn-credit-participation-international-activities).

Live educational activities, occurring outside of Canada, recognised by the UEMS-EACCME® for ECMEC®s are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.

This symposium is supported by an educational grant from Novo Nordisk A/S.







**ECO-ICO 2021  
VIRTUAL SATELLITE SYMPOSIUM**  
*presents*

**USE OF GUIDELINES AS  
AN ADVOCATE FOR THE  
TREATMENT OF OBESITY**

Thursday, May 13, 2021 | 12:30 – 14:00 CET  
<https://mbl.ist/eco2021-curraxpharma>

**A MODERATED DISCUSSION**  
*featuring*

**Speakers**

André Heikius, MD, M.Sci.  
Chief Physician at Karkkula Joint Authority, Finland.  
Medical Director Obesmart

Sean Wharton, MD, PharmD.  
Adjunct Professor McMaster and York University, Canada.  
Medical Director Wharton Medical Clinic



**13<sup>th</sup>  
MAY  
2021**

**12:30 - 2:00 PM**



**PronoKal Group®**

Science and nutrition for weight loss

**ECO<sup>ON</sup>LINE 2021**  
28<sup>th</sup> EUROPEAN CONGRESS ON OBESITY  
10-13 MAY, 2021

**EASO**  
European Association for the Study of Obesity

## Satellite Symposium

# Use of VLCKD for weight loss management in combination with digital strategies and molecular genetic diagnosis



### MODERATOR

#### **Dr. Felipe Casanueva**

Professor of Medicine  
Santiago de Compostela University  
IDIS Complejo Hospitalario U de Santiago



### DISCUSSION TABLE

#### **Dr. Francisco Tinahones**

President of the Spanish Society for  
the Study of Obesity (SEEDO).  
Málaga (Spain)



#### **Dra. Annamaria Colao**

Department of Clinical  
Medicine and Surgery at  
the University of Naples  
Federico II, and  
President-elect SIE -  
Italian Society of  
Endocrinology



#### **Dra. Ana Belén Crujeiras**

Head of Epigenomics in  
Endocrinology and  
Nutrition group at  
IDIS-SERGAS. Santiago  
de Compostela (Spain)



#### **Dr. Philip Bazire**

International Scientific  
Advisor specialized in  
Metabolism and Obesity.  
London (UK)



ECO0NLINE 2021

28<sup>TH</sup> EUROPEAN CONGRESS ON OBESITY

10-13 MAY, 2021