

Nordic obesity meeting November 17th –19th 2022

Dear colleagues,

We are very honored and excited to welcome you to the Nordic Obesity Meeting, this year organized by the Danish Association for the Study on Obesity. The meeting will take place the 17-19 November 2022 in Copenhagen, Denmark. The conference will bring together medical doctors, dieticians, health care professionals, and multidisciplinary researchers engaged in obesity research.

Preceding the Nordic Obesity Meeting, and as part of the meeting, we will hold an educational day on obesity, which will reflect 'Perspectives on obesity management' with topics spanning from diet, exercise, technological behavioral interventions, pharmacology, obesity surgery, weight neutral approaches, obesity stigma to prevention strategies.

The Nordic Obesity Meeting on 'Novel insight on obesity biology, prevention and management strategies will cover talks on obesity and metabolism, key genetic and non-genetic determinants of body weight regulation including early life risk factors, postpartum weight retention and sleep, and cutting-edge research in human brown adipose tissue, very low calory diet, constitutional thinness and weight gain resistance. The meeting also gives young investigators the opportunity to present their research findings.

In addition to participation in the conference, Copenhagen has attractions and sights to suit every taste and interest – and most of them are within walking distance of the meeting venue.

We look forward to seeing you in Copenhagen!

The Danish Association for the Study on Obesity
Committee for the Nordic Obesity Meeting 2022



DSAF's Education Day 2022, November 17th –18th

Title: Perspectives on obesity management

Scandic Hotel, Copenhagen

Thursday, November 17th

Time	Speaker	Title	Session Chair
9:30-11:00	Registration and coffee with bread		
11.00-11.10	Lise G Bjerregaard, Center For clinical Research and Prevention, Copenhagen & President of DASO	Welcome	Lise G Bjerregaard (Denmark)
11.10-11.50	Kirsi Pietiläinen, Prof., University of Helsinki, Finland	Digital platforms and technology	
11.50-12.30	Bente K. Pedersen, Prof., University of Copenhagen & Rigshospitalet, Denmark	Physical exercise and weight loss, does it work?	
12:30-13:10	Kevin D Hall, Senior Investigator, National Institute of Diabetes and Digestive and Kidney Diseases, US	What matters most: calories, carbs, or quality?	
13:10-14:10	Lunch		
14.10-14.50	Christoffer Clemmensen, Associate Prof., University of Copenhagen, Denmark	Weight loss therapies: Past, present, and future	Nils B Jørgensen (Denmark)
14.50-15.30	Richard Welbourn, MD, Nuffield Health, UK	Bariatric surgery: How effective is it and who is it for?	
15.30-16:00	Carina Jørgensen, Adipositasforening, Denmark	Patient perspective(s)	
16.00-16:30	Coffee		
16:30-17.10	Claus Bogh Juhl, Prof., Department of Endocrinology, University Hospital South West Jutland and Steno Diabetes Center Odense, Denmark	Weight neutrality – and health in obesity	Jens-Christian Holm (Denmark)
17:10-17:50	Ximena Ramos Salas, PhD, Research & Policy Consultant, Sweden	Weight bias and stigma in healthcare: Leaving no one behind	
17:50-18:30	Nils B Jørgensen, PhD, Hvidovre Hospital, Denmark Berit Heitmann, Professor, The Parker Institute, Copenhagen Denmark	Discussion: Weight neutral vs weight loss	
End of day 1			

Friday, November 18th

Time	Speaker	Title –	Session Chair
9.00-9:40	Jeroen Lakerveld, Associate prof., Amsterdam UMC, the Netherlands	Evidence for upstream determinants of obesity, and entry points for prevention	Lise G Bjerregaard (Denmark)
9.40-10.00	Lise G Bjerregaard, President of DASO	Conclusions and learning points	
10.00-10.15	Coffee		
10.15-	Participation in the Nordic Obesity Meeting		

Nordic obesity meeting 2022, November 18th –19th

Title: “Novel insight on obesity biology, prevention and management strategies”

Scandic Hotel, Copenhagen

Friday, November 18th

Time	Speaker	Title	Session Chair
10.15-10.20	Lise G Bjerregaard, President of DASO	Welcome	
10.20-10.55	Tune H Pers, Associate Prof., University of Copenhagen, Denmark	Obesity and the brain	André Heikius (Finland)
10.55-11.30	Nils Wierup, Associate Prof., Lund University Diabetes Centre, Sweden	Metabolic Effects of Gastric Bypass Surgery: Is It All About Calories?	
11.30-12:05	Kevin D Hall, Senior Investigator, National Institute of Diabetes and Digestive and Kidney Diseases, US	Determinants of energy balance in humans	
12:05-12:15		Q & A	
12.15-13.15	Lunch		
	Abstract competition		Sofus C Larsen(Denmark)
13.15-13.30	Ann H Rosendahl, Lund University, Sweden	Novel positioning of the fat mass and obesity-associated FTO biomarker from obesity to breast cancer	
13.30-13.45	Nina Aula, Rhythm Pharmaceuticals, INC., USA	Clinical Improvements Following Setmelanotide Treatment in Patients With Bardet-Biedl Syndrome	
13.45-14.00	Dorthe C Pedersen, Center For clinical Research and Prevention, Denmark	Body mass index in childhood and its associations with risks of pre- and post-menopausal breast cancer by estrogen receptor status	
14.14-14.30	Tummas Justinussen, Dept. of Endocrinology, Hvidovre Hospital, Denmark	The effects of an acute bout of exercise on nadir glucose after meals with high or low glycaemic indices in Roux-en-Y gastric bypass patients	
14.30-14:45	Britt W Jensen, Center For clinical Research and Prevention, Denmark	Childhood body mass index trajectories and dementia in adult life	
14:45-15:00	Maria M Fraulund, Department of Pediatrics, Holbæk Hospital, Denmark	Childhood overweight management: Three in four reduce the degree of overweight and three in four reduce the degree of hepatic steatosis	

15:00-15:45	Coffee & posters		
15:45-16:15	Sylvain Sebert, Professor, University of Oulu, Finland	Early predictors of life course BMI trajectories	Berit L Heitmann (Denmark)
16:15-16:45	Ellen Nøhr, Professor, University of Southern Denmark and Odense University Hospital	Predictors and consequences of postpartum weight retention	
16:45-17:15	Sofus C Larsen, Senior Researcher, Parker Institute, Denmark	Sleep, weight, weight loss and weight loss maintenance	
17:15-17:25	Break		
17:25-18:00	General assembly	All Danish Delegates	
19:00-	Conference dinner with young investigator prizes		

Saturday, November 19th

Time	Speaker	Title	Session Chair
09:00-9:30	Ruth Loos, Prof., Novo Nordisk Foundation Center for Basic Metabolic Research, Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark	The importance of Genetics in obesity	Joanna Udden (Sweden)
9:30-10:00	Kirsi Virtanen, Associate Prof., University of Turku, Finland	Human brown adipose tissue - any importance for body weight or metabolic health?	
10:00-10:30	Jason C G Halford, Prof., School of Psychology, University of Leeds & President of EASO	ACTION-Teens: insights into barriers to obesity management, and their impact, for adolescents and the care givers	
10:30-10:45	Break		
10:45-11:15	Anthony Leeds, Honorary Senior Research Fellow, the University of Glasgow & Parker Institute, Copenhagen Denmark	Low energy diets in the treatment of obesity and diabetes	Berit L Heitmann (Denmark)
11:15-11:45	Jens Ivar Lund, PhD Student, University of Copenhagen, Denmark	Constitutional thinness: Uncovering the physiology of human weight gain resistance	
11:45-12:00		Closing remarks	

Poster presentations

November 18, 15:00-15:45

P1. Psychological Interventions and childhood excess-weight

Fereshteh Baygi, Shirin Djalalinia, Mostafa Qorbani, Anders Larrabee Sonderlund, Merethe Kirstine Andersen, Trine Thilasing, Berit Lilienthal Heitmann, Jesper Bo Nielsen

P2. Attenuation of sucrose-triggered FGF21 response by co-ingestion of protein but not fat

Stina Ramne, Lisanne Duizer, Mette S Nielsen, Niels Grarup, Anders Mikael Sjödin, Anne Raben, Matthew P Gillum

P3. The evaluation of zanadio - a digital health application for people with obesity

Lena Roth, Katarina Forkmann, Nora Mehl, Madeleine Ordnung, **Annette Horstmann**

P4. Physical functioning is associated with BMI-SDS and body composition in children

Dorthe Dalstrup Jakobsen, Lea Brader & **Jens Meldgaard Bruun**

P5. Fast foods and sugary beverages dominate Swedish school children's daily exposure to food advertisements

Petter Fagerberg, Sofia Spolander, Ioannis Ioakeimidis

P6. Ready-to-use dasiglucagon corrects postprandial hypoglycaemia in Roux-en-Y gastric bypass-operated individuals

Casper K. Nielsen, Inas JK Houji, Caroline C. Øhrstrøm², Mads M. Helsted, Liva S. Krogh, Nicklas J. Johansen, Tina Vilsbøll, Filip K. Knop

P7. Risk of Fractures and Osteoporosis following Roux-en-Y gastric bypass and Sleeve gastrectomy: A Danish population-based Cohort Study

Lotte Assing Winckelmann, Sigrid Bjerger Gribsholt, Lene Ring Madsen, Bjørn Richelsen.

P8. The effects of obesity-related factors in the secretion and fatty acid profiles of adipose tissue-derived extracellular vesicles

Johanna Matilainen, Uma Thanigai Arasu, Viivi Berg, Ashik Jawahar Deen, Dorota Kaminska, Reijo Käkelä, Jussi Pihlajamäki, Natalia Rosso, Sanna P. Sihvo, Marjo Malinen, Anne-Mari Mustonen, Ville Männistö, Petteri Nieminen, Maija Vaittinen, Kirsi Rilla.

P9. Obesity is associated with poor breast cancer prognosis, particularly among women with low socioeconomic position

Sixten Harborg, Maria Feldt, Deirdre Cronin-Fenton, Susanne O. Dalton, Ann Rosendahl* & Signe Borgquist*

P10. Anaemia in patients adherent to iron supplements in the BAriatric surgery SUBstitution and Nutrition study: a prospective cohort study

Frida Lenér, Gudrun Höskuldsdottir, Kerstin Landin-Wilhelmsen, Cecilia Björkelund, Björn Eliasson, Lars Fändriks, Ville Wallenius, My Engström, **Karin Mossberg**

P11. Adiposity and blood pressure in mothers 8-12 years after preeclampsia (FINNCARE) Tiina Jääskeläinen, Anni Kivelä, Michelle Renlund, Seppo Heinonen, Taisto Sarkola and Hannele Laivuori

P12. Changes in the burden of smoking and obesity for all-cause mortality in the period 1987 to 2017 in Denmark

Stine Schramm, Michael Davidsen, Maja Bramming, Frederich K. Ho, Jill P. Pell, Janne Tolstrup

P13. Obesity and Cancer Research – ObeCaRe, a national research network

Signe Borgquist, Deirdre Cronin-Fenton, Rikke Hjortebjerg, Robert Bobby Zachariae, Jens Meldgaard Bruun

P14. Obesity, Type 2 Diabetes, and Breast Cancer Prognosis - a cohort profile

Holm, J.B., Christiansen, P.M., Bruun, J.M., Cronin-Fenton, D., Borgquist, S.

P15. Children's COOPERation Denmark (Child-COOP) feasibility study: a participatory system dynamics approach targeting childhood health in a small Danish community

Helene Kirkegaard, Knud Ryom, Steven Allender, Christina Breddam, Helle Terkildsen Maindal and Jane Nautrup Østergaard

P16. Long-term Body Composition in Patients With POMC or LEPR Deficiency Obesity Treated With Setmelanotide

Clément, K; Wabitsch, M; Van den Akker, E; Argente, J; Navarria, A; Srinivasan, M; Yuan, G; Malhotra, S; Kühnen, P. **Presenter: Nina Aula**

P17. Weight Outcomes With Setmelanotide Over 3 Years in Patients With POMC or LEPR Deficiency Obesity

Clément, K; Wabitsch, M; Van den Akker, E; Argente, J; Navarria, A; Srinivasan, M; Yuan, G; Malhotra, S; Kühnen, P. **Presenter: Nina Aula⁷**

P18. Interim Efficacy and Safety Analysis of Setmelanotide As a Novel Treatment for Hypothalamic Obesity

Roth, CL; Shoemaker, AH; Gottschalk, M; Miller, JL; Yuan, G; Chen, E; Scimia, C; Abuzzahab, MJ. **Presenter: Nina Aula**

P19. The neutrophil-to-lymphocyte ratio – simple marker to identify patients at higher risk of complications after bariatric surgery

Authors: **Izabela Karpińska²**, Justyna Rymarowicz, Mateusz Wierdak, Michał Pędziwiatr, Piotr Major

P20. Re-start - a digital tool to prevent and treat overweight and obesity

Lekhal, Samira, Fjæra. E, Kristin;

P21. THE RELATIONSHIP BETWEEN PERIODONTITIS, OBESITY AND INFLAMMATION IN THE FIRST TRIMESTER OF PREGNANCY: A CROSS-SECTIONAL ANALYSIS FROM THE PROBE STUDY

Akerkar A, Winckler K, Hansen- Bukkehave K, Stuer-Lauridsen K, Tarnow L, Iversen PB, Kofoed- Enevoldsen A, Fischer H, Dueholm SCH, Lauenborg J, Damgaard C, Fiehn N-E, Holmstrup P, Heitmann BL.

P22. Diminished Glucagon Suppression and Reduced GLP-1 Response to Oral Glucose in Children and Adolescents with Obesity and Hyperinsulinemia

Sara Elizabeth Stinson, Ieraí Fernández de Retana Alzola, **Emilie Damgaard Brüner Hovendal**, Morten A.V. Lund, Cilius E. Fonvig, Louise Aas Holm, Anna E. Jonsson, Christine Frithioff-Bøjsøe, Michael Christiansen, Oluf Pedersen, Lars Ängquist, Thorkild I.A. Sørensen, Jens J. Holst, Bolette Hartmann, Jens-Christian Holm, and Torben Hansen

P23. Exploring time-restricted eating (TRE) as a strategy to prevent weight gain in South Africans (TESSA)

M L Pico, A Mendham, J Goedecke, A Tamarak, L G Grunnet, J S Quist, K Færch

P24. Does bariatric surgery reduce sickness absence from work?

Maja Bramming, Ulrik Becker, Janne S. Tolstrup

P25. Agreement between Measured and Self-reported Weight among patients with Type 2 Diabetes through an mHealth lifestyle Coaching Program in Denmark: A Secondary Analysis of a Randomized Controlled Trial.

Albi Imerajl, Thomas Bastholm Olesen, Ditte Hjorth Laursen, Jens Søndergaard, Carl J. Brandt.

P26. An adult-based genetic risk score for hepatic fat associates with liver and lipid traits in children

Yun Huang, Sara E. Stinson, Helene Bæk Juel, Morten A.V. Lund, **Louise Aas Holm**, Cilius E. Fonvig, Niels Grarup, Oluf Pedersen, Michael Christiansen, Aleksander Krag, Stefan Stender, Jens-Christian Holm, and Torben Hansen.

P27. Childhood weight status and adult-onset chronic kidney disease

Julie Aarestrup, Kim Blond, Dorte Vistisen, Marit E. Jørgensen, Marie Frimodt-Møller, Britt W. Jensen, Jennifer L. Baker.

P28. Association between household food insecurity and obesity: results from a large population-based study

Ellina Lytvyak.

P29. The association between perceived stress, hair cortisol and body weight in first-time pregnant women in Denmark

Mia Petring Hasselager, Monica Ladekarl, Ina Olmer Specht, Nanna Julie Olsen, Sofus Larsen, Rune Petring Hasselager, Berit Lilienthal Heitmann.

P30. Feasibility of time-restricted eating in individuals with overweight or type 2 diabetes: a systematic scoping review

Anne-Ditte Termansen, Annemarie Varming, Christina van Elst, Natasja Bjerre, Ole Nørgaard, Nana Folman Hempler, Kristine Færch, Jonas Salling Quist.

P31. THE EFFECT OF DIGITAL BEHAVIORAL INTERVENTIONS ON INFANT SLEEP: A SYSTEMATIC REVIEW AND META-ANALYSIS

Zeynep Uzdil, Mina Nicole Holmgaard Händel, Berit Lilienthal Heitmann

P32. Comparing self-reported energy intake collected using Intake24 with total energy expenditure estimated with Fitbit data.

Aikaterina Vasileiou, **Dominique Searle**, Sofus C. Larsen, Faidon Magkos, Graham Horgan, R James Stubbs, Marie-Louise Mikkelsen, António L. Palmeira, Cristiana Duarte, Inês Santos, Berit L. Heitmann

P33. Protein Leverage as a Predictor of Weight Loss Maintenance in Adults. Results from the NoHoW study.

Dominique Searle, **Aikaterina Vasileiou**, Hanyue Zhang, Faidon Magkos, Sofus C. Larsen, Graham Horgan, R James Stubbs, Marie-Louise Mikkelsen, António L. Palmeira, Cristiana Duarte, Inês Santos, Berit L. Heitmann

P34. Isolation of Adipocytes (APC) and Endothelial Cells (EC) from Human Visceral Adipose Tissue: To Understand Distortion of Adipose Tissue in Obesity.

Vaishali Chaurasiya, Dan Pham Duc, P.A. Nidhina Haridas, Vesa M. Olkkonen

P35. A novel mobile-health platform improves weight-loss outcomes - follow-up for 6 months of individuals with obesity

M.A.Larsen, R.Goll, J.R.Florholmen

P36. Metabolically Healthy Obese and Cardiovascular Outcomes in Cancer Survivors

Kyuwoong Kim.

P37. Effect of a postpartum weight loss intervention in women with obesity: a randomized controlled trial

Elisabeth Adolfsen Øhman, **Maria Fossli**, Inger Olaug Ottestad, Kirsten Bjørklund Holven, Stine Marie Ulven, Beate Fossum Løland and Hilde Kristin Brekke.

Practical info

Venue

[Scandic Copenhagen](#), Vester Søgade 6, 1601 København V

Accommodation

Scandic Copenhagen, Vester Søgade 6, 1601 København V

Prices: 1145 (single room), 1245 (double room). Booking upon registration (opens August 1).

Poster and oral abstract presentation guidelines

Can be found at <https://dsaf.dk/en/meetings/>.

Registration

Please arrive in due time to receive your name tag.

Social events

Friday night November 18, we hope you will all join us for a conference dinner held at Scandic Copenhagen. Dinner is not included in the registration fee for the meeting, but the price is very favorable. Dinner price is 350 DKK including aperitif, 3 courses, wine, and coffee avec. Register for dinner when you sign up for the meeting.

Arrival from the airport:

Scandic Copenhagen is an 8-minute walk from the København H train station. The train (Öresundståg) will take you from Copenhagen Airport to København H in 13 minutes. You can plan your journey [here](#) or [here](#)!

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