



Thursday, September 7th	Friday, September 8th	Saturday, September 9th
ARRIVAL	08.15-8.30 <b>Welcome:</b> Eleni Anastasiou & Mireille van Poppel	08.30-09.00 <b>Key Note Lecture 3: Camille Powe:</b> TITLE Chairs: Ulf Ericsson & Christina Vinter
	08.30-09.00 <b>Key Note Lecture 1: Lene Ringholm:</b> Insulin analogs in pregnancy: Results from the CopenFast and Expect trials Chairs: Katrien Benhalima & Agnieszka Zawiejska	9.00-10.30 <b>Oral Presentations Session 4:</b> OP16-OP21 Chairs: Robert Lindsay & Amelia Caretto
15.00-17.00 <b>IADPSG symposium: Moving Towards a New Consensus for Early GDM Diagnosis?</b> (main lecture hall)	09.00-10.30 <b>Oral Presentations Session 1:</b> OP01 – OP06 Chairs: Annunziata Lapolla & Emilia Huvinen	
	10.30-11.00 <b>Coffee Break</b>	10.30-11.00 <b>Coffee Break</b>
	11.00-12.30 – <b>Poster Session 1</b> (Parallel sessions)	11.00-12.30 – <b>Poster Session 2</b> (Parallel sessions)
	<b>Obesity &amp; GDM I</b> () PP1-PP16 Chairs: Pat Catalano (judge) & Olimpia Bitterman <b>Pre-pregnancy diabetes</b> () PP17-PP31 Chairs: Elizabeth Mathiesen (judge) & Karin Hilden <b>Public Health</b> () PP32-PP46 Chairs: Adam Tabak (judge) & David McIntyre	<b>Obesity &amp; GDM II</b> () PP47-PP62 Chairs: Denice Feig (judge) & Fidelma Dunne <b>Omics &amp; fetal growth</b> () PP63-PP77 Chairs: Mary Loeken (judge) & David Hill <b>Offspring follow-up &amp; Other</b> () PP78-PP92 Chairs: Eleanor Scott (judge) & Miira Klemetti
	12.30-13.45 <b>Lunch Break</b>	12.30-13.45 <b>Lunch Break</b>
15.00-20.00 <b>Registration – Hotel</b>	13.45 -14.15 <b>Key Note Lecture 2: David Simmons:</b> Update from the Treatment Of BOoking GdM (TOBOGM) study Chairs: Rosa Corcoy & Roland Devlieger	13.45-14.15 <b>Oral Presentations Session 5:</b> OP22-OP23 Chairs: Maria del Pilar Ramos Alvarez & Annick Bogaerts
	14.15-15.45 <b>Oral Presentations Session 2:</b> OP07-OP12 Chairs: Ute Schaefer-Graf & Sine Knorr	14.15-14.45 <b>JOHN STOWERS POSTER AWARDS</b> Chairs: Robert Lindsay & Mary Loeken
		14.45-15.15 <b>JORGEN PEDERSEN LECTURE Helen Murphy:</b> Diabetes technology use during pregnancy: Winners and Losers Chair: Eleni Anastasiou
		15.15-15.25: <b>In Memoriam</b> of Kari Teramo <b>Miira Klemetti</b>
17.15-18.45: <b>DPSG board meeting</b>	15.45-16.15 <b>Coffee Break</b>	15.15-15.30 <b>Acknowledgements</b>
19.30-23.00 <b>DINNER &amp; Discussion</b>  <b>WELCOME:</b> Ewa Wender-Ozegowska & Mireille van Poppel  <b>DISCUSSION: Timing of labor in women with pregestational diabetes: when and why?</b> Obstetrical view: Jenny Myers Neonatal view: Tomasz Szczapa Chair: Ewa Wender-Ozegowska	16.15-17.00 <b>Oral Presentations Session 3:</b> OP13-OP15 Chairs: Anne Vanbergue & Louise Kelstrup	15.30-20.00 <b>FREE TIME</b>
	17.00-17.30 <b>JOSEPH HOET RESEARCH AWARD LECTURE</b> <b>Claire Meek:</b> TITLE Chair: Ewa Wender-Ozegowska	
	17.45 -19.15 <b>DPSG Annual Business Meeting</b> (members only) Chair: Mireille van Poppel	
<b>Poster Judges:</b> Pat Catalano; Elizabeth Mathiesen; Adam Tabak; Denice Feig; Mary Loeken; Eleanor Scott	20.00-23.00 <b>DINNER</b> (Transport by bus)	20.00 <b>DINNER &amp; DANCE Presentation – Young Investigator Travel Awards</b>
		<b>Departure: Sunday, September 10th</b>

## **THURSDAY, SEPTEMBER 7**

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**15:00-20:00 Registration**

**15:00-17:00: IADPSG symposium: (main lecture hall)**  
**Moving Towards a New Consensus for Early GDM Diagnosis?**

15.00 **Welcome and setting the scene for discussions** - Denice Feig (IADPSG Chair)

15.10: **Treatment of GDM diagnosed early in pregnancy: results of TOBOGM randomised controlled trial** - David Simmons

15.30 **CGM for detecting GDM early in pregnancy: results of MAGIC and GLAM observational studies** - Celeste Durnwald and Eleanor Scott

15.50 **Implications of these results and issues still to address** - David McIntyre

16.00 **Panel Discussion:** Fidelma Dunne, Pat Catalano, Boyd Metzger, David Simmons, Eleanor Scott, David McIntyre

16.30 **Open discussion**

**17:15-18:45 DPSG Board Meeting (minor room)**

**20:00-23:00 DINNER and Discussion (main lecture room)**

**21:30-22:30 Discussion:**  
**Timing of labor in women with pregestational diabetes: when and why?**  
Obstetrical view: **Jenny Myers** (15 min)  
Neonatal view: **Tomasz Szczapa** (15 min)  
Moderator: **Ewa Wender-Ozegowska**

## FRIDAY, SEPTEMBER 8

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**08:15-08:30** Welcome – Eleni Anastasiou & Mireille van Poppel

**08:30-09:00** **KEYNOTE LECTURE 1**

**Chairs: Katrien Benhalima & Agnieszka Zawiejska**

**LENE RINGHOLM**

***Insulin analogs in pregnancy: Results from the CopenFast and Expect trials***

**09:00-10:30** **ORAL PRESENTATIONS | SESSION 1**

**Chairs: Annunziata Lapolla & Emilia Huvinen**

### OP 01

**A Randomized Placebo-Controlled Trial of the effectiveness of Early Metformin in Addition to Usual Care in the Reduction of Gestational Diabetes Mellitus Effects (EMERGE)**

Fidelma Dunne, Alberto Alvarez-Iglesias, Christine Newman Andrew Smyth, Marie Brown, Declan Devane, Martin O'Donnell

### OP 02

**High-sensitivity C-reactive protein during pregnancy and in the early postpartum predicts adverse metabolic health outcomes at 1-year postpartum in women with gestational diabetes mellitus**

Dan Yedu Quansah, Antje Horsch, Marc Y. Donath, Jarden J. Puder

### OP 03

**Associations of maternal body composition and diet with breastmilk composition in the Lifestyle Intervention in Preparation for Pregnancy (LIPP) Trial**

Sarattama Sen, Chloe Andrews, Laurie Foster, Camille Powe, Li Yin Cheok, Patrick Catalano

### OP 04

**CGM profiles in early pregnancy can identify those who are diagnosed with gestational diabetes at 26-28 weeks gestation: initial results from the MAGIC study (ISRCTN 5706303)**

Eleanor M Scott, Helen R Murphy, Jenny Myers, Ponnusamy Saravanan, Lucilla Poston, Graham R Law

### OP 05

**CGM-Measured Differences in Pregnancies with vs. without gestational diabetes (GDM) and Adverse Perinatal Outcomes (APO)**

Celeste Durnwald, Roy Beck, Zoey Li, Elizabeth Norton, Michal Elovitz, Richard Bergenstal, Mary Johnson, Sean Dunnigan, Judy Sibayan, Peter Calhoun, Anders Carlson

### OP 06

**Changes in mental health during the interpregnancy period and the association with pre-pregnancy weight & body composition. Data from the INTER-ACT randomized controlled trial**

Hanne Van Uytsel, Lieveke Ameye, Roland Devlieger, Annick Bogaerts

**10:30-11:00** **COFFEE BREAK**

**11:00-12:30 POSTER PRESENTATIONS | PARALLEL SESSION 1**

**Theme 1 | Obesity and GDM I ()**

**Chairs: Pat Catalano (judge) & Olimpia Bitterman**

**PP 01**

**Baseline results of a pragmatic lifestyle intervention for women with Gestational Diabetes Mellitus to promote weight loss up to 12 months postpartum**

Bridie J. Kemp, Georgina Cupples, Rachel M. Creighton, Bronagh Kelly, Emma McAuley, Olwen Fleck, Laura Cassidy, Una Graham, Helen Wallace, Chris C. Patterson, David R. McCance

**PP 02**

**Changes in body composition and cardiometabolic health in a postpartum lifestyle intervention study**

Camille E. Powe, Li Yin Cheok, Sarbattama Sen, Patrick M. Catalano

**PP 03**

**Effect of a pre- and postpartum complex interdisciplinary lifestyle and psychosocial intervention on metabolic and mental health outcomes in women with GDM: the MySweetheart trial**

Dan Yedu Quansah, Leah Gilbert, Amar Arhab, Elena Gonzalez-Rodriguez, Didier Hans, Justine Gross, Stefano Lanzi, Bobby Stuijtzand<sup>1</sup>, Alain Lacroix, Antje Horsch, Jardena J. Puder

**PP 04**

**Experiences of a lifestyle intervention for women with Gestational Diabetes Mellitus to encourage weight loss up to 12 months postpartum.**

Bridie J. Kemp, Georgina Cupples, Rachel M. Creighton, Bronagh Kelly, Emma McAuley, Olwen Fleck, Laura Cassidy, Una Graham, Helen Wallace, Chris C. Patterson, David R. McCance

**PP 05**

**Impact of gestational weight gain on maternal-fetal comorbidities in type 1 diabetic pregnancies by trimester**

Madleen Lemaitre, Valentin Laurent, Camille Ternynck, Julien Bourry, Florence Baudoux, Damien Subtil, Anne Vambergue

**PP 06**

**Maternal and neonatal outcomes after bariatric surgery: a bicentric cohort study of 393 women**

Anne Vambergue, Nicolas Touloupas, Maram Al Saglab, Camille Ternynck, Damien Subtil, Ana Alvarez, Paul Guerby, Frédérique Rimareix, Patrick Ritz, Hélène Hanaire

**PP 07**

**Population variability in the Bump2Baby and Me mHealth coaching weight management intervention for women at-risk of gestational diabetes**

Sharleen O'Reilly, Aisling Geraghty, Fionnuala McAuliffe, Christy Burden, Cristina Campo, Helena Teede Mercedes Garcia Bermude, Rachel Laws, Karen Campbell, Vincent Versace, Cheryce Harrison, Jesper Andresen, Jane Norman, Helle Terkildsen-Maindal, Timothy Skinner

**PP 08**

**Pregnancy and neonatal outcomes following bariatric surgery in Queensland, Australia: A datalinkage matched cohort study**

Jade Eccles-Smith, Alison Griffin H. David McIntyre, Marloes Dekker Nitert, Helen L Barrett

### PP 09

#### **Results of a pragmatic lifestyle intervention for women with Gestational Diabetes Mellitus to help weight loss up to 12 months postpartum**

Bridie J. Kemp, David R. McCance, Georgina Cupples, Rachel M. Creighton, Bronagh Kelly, Emma McAuley, Olwen Fleck, Laura Cassidy, Una Graham, Helen Wallace, Chris C. Patterson

### PP 10

#### **The effect of eating behaviour upon BMI in women with gestational diabetes**

Claire L Meek, Laura C Kusinski<sup>1</sup>, Patrycja Tobolska<sup>1</sup>, Danielle Jones<sup>1</sup>, Nooria Atta<sup>1</sup>, Linda Oude Griep<sup>2</sup>, Fiona Gribble

### PP11

#### **Prevalence of gestational diabetes and maternal obesity in pregnant women with a history of bariatric surgery**

Claire L. Meek, Bernadette Jenner, Vishakha Bansiya, Eleanor M Gurnell, Charlotte Patient

### PP 12

#### **Time-restricted eating for pregnant women with gestational diabetes: a qualitative study**

S.E. Siegelaar, D. Muller, F. Holleman, R.C. Painter, D.J. Stenvers

### PP 13

#### **Towards precision medicine in gestational diabetes: pathophysiology and glycemic patterns in pregnant women with obesity**

Claire L. Meek, Sara L. White, Albert Koulman, Susan E. Ozanne, Samuel Furse, Lucilla Poston

### PP 14

#### **VR-CoDES-P and interactional phenomena in a behavior change intervention: Findings from the Bump2Baby and Me mHealth coaching trial in women with gestational diabetes (GDM)**

Sharleen O'Reilly; Antje Schops, Christina Fogtmann Fosgerau<sup>1</sup>, Timothy Skinner

### PP 15

#### **Weight loss in pregnancy complicated by gestational diabetes (GDM): is it a risk for adverse neonatal outcomes?**

C. Festa, B. Pintaudi, R. Fresa, M.G. Dalfrà, A. Tumminia, M. Bonomo, E. Torlone, E. Vitacolonna, L. Sciacca, A. Napoli

### PP 16

#### **Diagnosis of Gestational Diabetes Mellitus in Pregnancy following Roux-en-Y Gastric Bypass: Time for a New Approach?**

Louise L Stentebjerg, Lene R Madsen, Liselotte T Andersen, Christina A Vinter, Dorte M Jensen

## Theme 2 | Pre-pregnancy diabetes ()

Chairs: *Elizabeth Mathiesen (judge) & Karin Hilden*

### PP 17

#### **Use and effect of diabetes technology in pregnant women with type 1-diabetes**

Ulla Kampmann, Pernille Grinderslev, Sara Yalda Ghaur, Sanne Fisker, Julie Støyy, Jens Fuglsang, Per Ovesen

### PP 18

#### **Clinical Characteristics and Pregnancy Outcomes in Women with Type 2 Diabetes: A Danish National Population-based Cohort Study**

Anna Koefoed, Per Ovesen, Astrid Fur, Dorte Jensen, Lise Lotte Andersens, Anna Emilie Rosbachs, Peter Damm, Elisabeth Mathiesen, Anne Sørensen, Jens Fuglsang, Sine Knorr, Ulla Kampmann

### PP 19

#### **CopenFast trial: Fetal growth and glycaemic control in pregnant women with type 1 or type 2 diabetes using faster-acting insulin aspart or insulin aspart – a randomized controlled trial**

Lene Ringholm, Sidse K. Nørgaard, Julie C. Sjøholm, Elisabeth R. Mathiesen, Kirsten Nørgaard, Tine D. Clausen, Pernille Holmager, Nicoline C. Do, Peter Damm

### PP 20

#### **Delayed Attainment of Recommended Glycaemic Metrics in target in Women with Type 1 Diabetes Delivering Large for Gestational Age Infants**

Julie C. Sjøholm, sidse K. Nørgaard, Nicoline Callesen Do, Kirsten Nørgaard, Tine D. Clausen, Peter Damm, Elisabeth R. Mathiesen, Lene Ringholm

### PP 21

#### **Hybrid Closed-loop therapy and Diabetic Ketoacidosis in type 1 diabetes pregnancy**

Tara T.M. Lee, Eleanor M. Scott, Robert S. Lindsay, Katharine F. Hunt, David R. McCance, Rebecca M. Reynolds, Helen R. Murphy

### PP 22

#### **Insulin requirements in pregnancies complicated by pre-existing diabetes**

Flurina Michelotti, Edward Johnstone, Jenny Myers

### PP 23

#### **NT proBNP and corin as potential markers of early signs of preeclampsia among patients with pregestational type**

##### **I diabetes.**

Daniel Boron, Jakub Kornacki, Urszula Mantaj, Przemyslaw Wirstlein, Ewa Wender-Ozegowska

### PP 24

#### **Outcomes of pregnancy affected by overt type 2 diabetes in Padova**

S Burlina, MG Dalfrà, MG Fioretti, A Lapolla

### PP 25

#### **Pregnancy outcomes in Type 2 Diabetes: a systematic review and meta-analysis.**

Naomi S Clement, Rachel Farrelly, Ahmad Abul, Helen R Murphy, Karen Forbes, Nigel Simpson, Eleanor M Scott

### PP 26

#### **Preparedness to prevent or manage severe hypo- and hyper-glycaemia among women with type 1 diabetes (T1DM) accessing a Diabetes & Pregnancy clinic**

Giuseppina Incampo, Amelia Caretto, Andrea Laurenzi, Chiara Molinari, Erika Pedone, Anna Zanardini, Caterina Cellai, Alice Burini, Susanna Rosa, Nicoletta Dozio, Maria Teresa Castiglioni, Marina Scavini

### PP 27

#### **Prevalence of double diabetes among the pregnant women with type 1 diabetes mellitus and its impact on the perinatal outcome– an exploratory study from the retrospective cohort**

A Malinowska-Polubiec, A Zawiejska, E Romejko-Wolniewicz, Zuzanna Handziuk, K Czajkowski

### PP 28

#### **Small and large for gestational age infants in pregnancies complicated by maternal Type 2 Diabetes – Prediction by Ultrasound Measurements**

Rønfeldt CM, Koefoed AS, Ovesen PG, Jensen DM, Andersen LLT, Damm P, Mathiesen ER, Sørensen A, Fuglsang J, Kampmann UO and Johnsen SK

### PP 29

#### **The Danish Diabetes Birth Registry 2 – a national prospective cohort study.**

Sine Knorr, Jori Aalders, Elisabeth R. Mathiesen, Lene Ringholm, Peter Damm, Tine D. Clausen, Ulla Bjerre-Christensen, Lise Lotte T. Andersen, Christina A. Vinter, Allan Kofoed-Enevoldsen, Jeannet Lauenborg, Ulla Kampmann, Jens Fuglsang, Per Ovesen, Trine T. Christensen, Anne Sørensen, Dorte M. Jensen

### PP 30

#### **Association between HbA1c levels and materno-fetal complications in type 2 diabetes**

A Vambuerge, E Petit, M Lemaitre, C Ternynck, F Baudoux, E Drumez, D subtil

### PP 31

#### **VELOCITY: Evaluating fetal growth in pregnancies complicated by pre-existing diabetes**

Alice Dempsey, Edward Johnstone, Heather Glossop, Megan Hyslop-Peart, Giovanna Bernatavicius, Del Endersby, Medha Rathod, Eleanor Scott, Jenny Myers



### Theme 3 | Public Health ()

Chairs: *Adam Tabak (judge) & David McIntyre*

#### PP 32

**Maternal quality of life influences glycaemia and lifestyle choices in women with gestational diabetes.**

Claire L Meek, Nooria Atta, Laura C Kusinski, Danielle Jones, Patrycja Tobolska, Kirsten L Rennie, Linda Oude Griep

#### PP 33

**An international cross-sectional survey to compare gestational diabetes mellitus (GDM) diagnosis and management in antenatal care across the UK, Ireland and Australia during the COVID-19 pandemic**

Sharleen O'Reilly, Anna Davies, Amy Howell, Aisling Geraghty, Christy Burden on behalf of the IMPACT DIABETES B2B Collaboration Group

#### PP 34

**An international cross-sectional survey to compare weight and weight gain management in antenatal care across the UK, Ireland and Australia during the COVID-19 pandemic**

Sharleen O'Reilly, Anna Davies, Aisling Geraghty, Christy Burden on behalf of the IMPACT DIABETES B2B Collaboration Group

#### PP 35

**FinnGeDi study: Higher early pregnancy serum uric acid levels are associated with subsequent GDM**

Sanna Mustaniemi, Sonja Etelämäki, Elina Keikkala, Hanna Öhman, Eero Kajantie, Marja Vääräsmäki, the FinnGeDi study board

#### PP 36

**Postpartum lifestyle behaviours after gestational diabetes: an exploration in women with obesity from the UPBEAT cohort**

Sara L White, Claire Singleton, Danqi Zhuang, Kim Kavanagh, KatieV Dalrymple, Angela C Flynn, Lucilla Poston, Claire L Meek

#### PP 37

**Fidelity of the Face-it health promotion intervention for women with recent gestational diabetes mellitus and their partners**

Inger Katrine Dahl-Petersen, Nanna Husted Jensen, Karoline Kragelund Nielsen, Anne Timm, Sharleen O'Reilly, Helle Terkildsen Maindal

#### PP 38

**Gestational diabetes exposure is associated with increased special health care use in Finnish Gestational Diabetes Study (FinnGeDi) register-based study**

Jenni Kinnunen, Hilikka Nikkinen, Elina Keikkala, Sanna Mustaniemi, Eero Kajantie, Marja Vääräsmäki, and the FinnGeDi study group

#### PP 39

**Healthcare cost consequences of changing diagnostic criteria for gestational diabetes mellitus (CDC4G) in Sweden: Alongside a stepped wedged cluster randomised trial**

de Brun M, Johansson N, Simmons D, Berntorp K, Jansson S, Persson M, Storck-Lindholm E, Sengpiel V, Wennerholm UB, Ahlsson F, Wikström AK, Ryen L, Backman H

#### PP 40

##### **Impact of breastfeeding on risk for glucose intolerance after gestational diabetes**

Yana Vanlaer, Caro Minschart, Hannah Vrolijk, Paul Van Crombrugge, Carolien Moyson, Johan Verhaeghe, Sofie Vandeginste, Hilde Verlaenen, Chris Vercammen, Toon Maes, Els Dufraimont, Nele Roggen, Christophe De Block, Yves Jacquemyn, Farah Mekahli, Katrien De Clippel, Annick Van Den Bruel, Anne Loccufier, Roland Devlieger, Inge Van Pottelbergh, Nele Myngheer, Pascale Abrams, Wouter Vinck, Liesbeth Leuridan, Sabien Driessens, Jaak Billen, Christophe Matthys, Annick Bogaerts, Annouschka Laenen, Chantal Mathieu, Katrien Benhalima

#### PP 41

##### **Predictors of glucose intolerance according to subgroups of women with gestational diabetes**

Anna Leśniara-Stachoń, Dan Yedu Quansah, Emmanuel Cosson, Leah Gilbert, Jardena J. Puder

#### PP 42

##### **Do WHO criteria for gestational diabetes fit a rural population in Tanzania? - A 6yrs post-pregnancy follow-up study assessing maternal and offspring health after a previous diagnosis of gestational diabetes**

Line Hjort, Camilla Byskou Andersen<sup>1</sup>, Daniel Minja, Peter Damm, Christentze Schmiegelow, Louise Groth Grunnets

#### PP 43

##### **Smoking during pregnancy and gestational diabetes mellitus: a systematic review and meta-analysis**

Vasiliki Vasileiou, Kleoniki I. Athanasiadou/Stavroula A. Paschou, , Evgenia Papakonstantinou, Fotini Kanouta, Paraskevi Kazakou, Katerina Stefanaki, Christothea A. Tsiridis, Georgia N. Kassi, Theodora Psaltopoulou, Dimitrios G. Goulis, Eleni Anastasiou

#### PP 44

##### **The Effect of Breastfeeding on Weight and the Risk of Prediabetes and Type 2-diabetes one year after Birth in Women with Gestational Diabetes**

Ulla Kampmann, Susanne Kastberg Prange, Sine Knorr, Laura Løftgaard Knudsen, Charlotte Wolff, Lene Ring Madsen, Lene Mortensen, Henrik Holm Thomsen, Lars Peter Sørensen, Per Glud Ovesen, Jens Fuglsang,

#### PP 45

##### **Type 1 diabetes in pregnancy, maternal body mass index and preterm birth – national trends in Sweden over 20 years**

Martina Persson, Sven Sandin, Hans Järnbert-Pettersson

#### PP 46

##### **Well-being, anxiety and perceived stress after GDM: associations with indicators of metabolic health and health behaviours –results from the Face-it study**

Jori Aalders, Karoline Kragelund Nielsen, Inger Katrine Dahl-Petersen, Christina Anne Vinter, Frans Pouwer, Per Ovesen, Peter Damm, Ulla Kampmann, Elisabeth Reinhardt Mathiesen, Helle Terkildsen Maindal, Dorte Møller Jensen and the Faceit study group

**12:30-13:45 LUNCH BREAK**

**13:45-14:15 KEYNOTE LECTURE 2**

**Chairs: Rosa Corcoy & Roland Devlieger**

**DAVID SIMMONS**

***Update from the Treatment Of BBooking GdM (TOBOGM) study***

**14:15-15:45 ORAL PRESENTATIONS | SESSION 2**

**Chairs: Ute Schaefer-Graf & Sine Knorr**

**OP 07**

**Changing diagnostic criteria for gestational diabetes (CDC4G) in Sweden: a stepped wedge cluster randomised controlled trial**

Helena Backman, Maryam de Brun, Anders Magnuson, Snehal Patil, Simmons D, Erik Schwarcz, Berntorp K, Jansson S, Persson M, Storck-Lindholm E, Sengpiel V, Wennerholm UB, Ahlsson F, Wikström AK, Strevens H, Petersson K, Ryen L, Hilden K, Carina Ursing, Montgomery S

**OP 08**

**Weight retention and glucose intolerance in early postpartum after gestational diabetes**

Katrien Benhalima, Caro Minschart, Nele Myngher, Toon Maes, Christophe De Block, Inge Van Pottelbergh, Pascale Abrams, Wouter Vinck, Liesbeth Leuridan, Sabien Driessens, Chantal Mathieu, Jaak Billen, Christophe Matthys, Annouschka Laenen, Annick Bogaerts

**OP 09**

**DNA Replication and Cell Cycle Pathways are Upregulated in Placentas of Obese Women with Reduced Insulin Sensitivity**

Julia Bandres-Meriz, Denise Hoch, Marta Inmaculada Sanz-Cuadrado, Irene Hurtado de Mendoza, Alejandro Majali-Martinez, Sophie Elisabeth Honeder, Tereza Cindrova-Davies, Ruth Birner-Gruenberger, Louise Torp Dalgaard, Gernot Desoye

**OP 10**

**Effect of insulin pump treatment in comparison to multiple daily injection in women with type 1 diabetes on glycemic control and pregnancy outcomes: a multinational prospective cohort study**

Ida Holte Thorius, Lise Lotte N. Husemoen, Amra C. Alibegovic, Mari-Anne Gall, Janne Petersen, Peter Damm and Elisabeth R. Mathiesen

**OP 11**

**Fetal growth and body composition in pregnancies after metabolic surgery: data from the AURORA prospective cohort.**

Ceulemans D., Lebbe B., De Becker B., Deleus E., Van der Schueren B., Mertens A., Lannoo M., Devlieger R.

**OP 12**

**Accelerating early growth associates with lower levels of branched-chain amino acids at the age of 5 years independent of ISOBMI and diet**

Emilia Huvinen, Rubina Tabassum, Anna-Kaisa Tuomaala, Elina Blanco-Sequeiros, Salla B Koivusalo

**15:45-16:15 COFFEE BREAK**

**16:15-17:00 ORAL PRESENTATIONS | SESSION 3**

**Chairs: Anne Vambergue & Louise Kelstrup**

**OP 13**

**High rate of growth retardation and preterm birth and lack of adequate care in pregnancies after bariatric surgery**

Schaefer-Graf UM, Knaack J, Ramsauer B, Schild RL, Groten T, Sagmeister H, Schmidt M, for all participating centers

**OP 14**

**The Belgian Diabetes in Pregnancy Follow-up Study (BEDIP-FUS): the long-term metabolic risk for mother and offspring across different gestational glucose intolerance groups**

Lore Raets, Kim Van Hoorenbeeck, Toon Maes, Chris Vercammen, Christophe De Block, Eveline Dirinck, Inge Van Pottelbergh, Katrien Wierckx, Annouschka Laenen, Annick Bogaerts, Chantal Mathieu and Katrien Benhalima

**OP 15**

**Maternal type 1 diabetes, preterm birth and risk of intellectual disability in the offspring – A nation-wide study in Sweden**

Martina Persson, Kristina Tedroff, Mikael Andersson Franko, Sven Sandin

**17:00-17:30 JOSEPH HOET RESEARCH AWARD LECTURE**

**Chair: Ewa Wender-Ozegowska**

**CLAIRE MEEK**

**TITLE**

**17:45-19:15 DPSG ANNUAL BUSINESS MEETING (only DPSG members)**

**Chair: Mireille van Poppel**

**20:00-23:00 DINNER**

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## **SATURDAY, SEPTEMBER 9**

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### **08:30-09:00 KEYNOTE LECTURE 3**

Chair: *Ulf Ericsson & Christina Vinter*

**CAMILLE POWE**

**TITLE**

### **09:00-10:30 ORAL PRESENTATIONS | SESSION 4**

Chairs: *Robert Lindsay & Amelia Caretto*

#### **OP 16**

**Inhibition of glucosamine transport mediates adverse effects of high glucose on neural tube defects in diabetic pregnancy**

Mary R. Loeken and Xiao Pan

#### **OP 17**

**Newborn adiposity and cord blood DNA methylation: an epigenome-wide association study in HAPO with validation in Gen3G.**

Jami L. Josefson, Alan Kuang, Catherine Allard, William Lowe, Jr, Denise Scholtens, Marie-France Hivert

#### **OP 18**

**Placental structural adaptation to maternal physical activity and sedentary behavior: findings of the DALI study**

S Zafarani, B Huppertz, M Siwetz, D Kummer, G Desoye, D Simmons, MNM van Poppel, on behalf of DALI Core Investigator Group

#### **OP 19**

**Presence and ontogeny of bi-hormonal islet cells within the human pancreas: Implications for endocrine cell Plasticity**

David J. Hill, Jiwon Hahm, Juan A. Fernandez Andrade, and Edith Arany

#### **OP 20**

**Reducing sedentary time in obese women during pregnancy is related to greater placental IL-6 gene expression: a potential mechanism linking reduced sedentary behavior with lower neonatal adiposity. The DALI randomized controlled trial**

Pedro Acosta-Manzano, Gernot Desoye, David J. Hill, Mireille N. M. Van Poppel, the DALI core investigator group

#### **OP 21**

**The effect of a maternal type 1 diabetes on the neonatal microbiome**

Pawel Gutaj, Marzena Gajecka, , Katarzyna Jaskiewicz, Malgorzata Rydanicz, Tomasz Szczapa, Dorota Kaminska, Grzegorz Kosewski, Juliusz Przyslawski, Rafal Ploski, Ewa Wender-Ozegowska

### **10:30-11:00 COFFEE BREAK**

**11:00-12:30 POSTER PRESENTATIONS | PARALLEL SESSION 2**

**Theme 4 | Obesity & GDM II ()**

**Chairs: *Denice Feig (judge) & Fidelma Dunne***

**PP 47**

**Childhood Adiponectin: Associations with Gestational Diabetes, Child BMI, and Matsuda Index**

Monica E Bianco, Miranda G Gurra, Denise Scholtens, Marie-France Hivert, William Lowe and Jami Josefson

**PP 48**

**Comparative differences in the metabolic and mental health outcomes of women with gestational diabetes in Ghana and Switzerland**

Dan Yedu Quansah, Floriane Schweitzer, Kelvin Yeboah, Evans Kofi Agbeno, Antje Horsch, A. Kofi Amegah, Jardena J. Puder

**PP 49**

**Pregnancy outcomes of women with 'mild' gestational diabetes (GDM by WHO 2013 but not by WHO 1999 diagnostic criteria) – a population-based cohort study**

Ádám G. Tabák, Gergely Á. Visolyi, Márk M. Svébis, Beatrix A. Domján, László Zsirai, Attila Kun

**PP 50**

**Early markers of increased oxidative stress in low risk women who develop GDM.**

Cetin Irene, Chiara Novielli, Gaia Anelli, Maddalena Massari, Fabrizia Lisso, Roberta Milazzo, Matteo Della Porta, Roberta Cazzola, Ella Schaefer<sup>o</sup>, Chiara Mandò

**PP 51**

**Evidence and impact of modifying the definition of gestational diabetes mellitus: A checklist – Guided review**

Doortje Rademaker, Laurine van der Slink, Mira Sahgal, Bas van Rijn, Paul Glasziou, Patrick Bossuyt, Rebecca Painter

**PP 52**

**Fetal and postnatal outcomes in offspring after intrauterine metformin exposure: A systematic review and meta-analysis of animal experiments**

D. Rademaker, E.G.M. van Hoorn, , A. van der Wel, , H.J. de Vries, A Franx, B.B. van Rijn, A Kooy, S.E. Siegelaar, T.J. Roseboom, S.E. Ozanne ,C.R. Hooijmans, R.C. Painter

**PP 53**

**Kidney morbidity in women with previous gestational diabetes – a nationwide register-based cohort study**

Maria Hornstrup Christensen, Claus Bistrup, Katrine Hass Rubin, Ellen Aagaard Nohr, Christina Anne Vinter, Marianne Skovsager Andersen, Sören Möller, Dorte Moeller Jensen

**PP 54**

**Outcomes of pregnancy complicated by GDM in women that conceived with ART**

Dalfrà MG, Burlina S, Marchetto A, Lapolla A

**PP 55**

**Pre-analytical diagnostic challenges and adherence to clinical guidelines for gestational diabetes**

Cathrine Munk Scheuer, Eva Rabing Brix Petersen, Dorte Møller Jensen, Lene Ringholm, Jacoba Sevdal Danielsen, Elisabeth Reinhardt Mathiesen, Harold David McIntyre, Peter Damm, Martin Overgaard, Tine Dalsgaard Clausen

**PP 56**

**Predictors of Quality of Life in Overweight or Obese Postpartum Persons Planning a Subsequent Pregnancy**

Catherine Cebulla, Li Yin Cheok, Yi Zhao, Patrick Catalano

**PP 57**

**Pregnancy outcomes among women with early but not late Gestational Diabetes Mellitus: Results from the TOBOGM study**

David Simmons, Jincy Immanuel, Bill Hague, Helena Teede, N Wah Cheung, Emily Hibbert, Christopher Nolan, Michael Peek, Vincent Wong, Jeff Flack, Mark Mclean, Arianne Sweeting, Alexandra Kautzky-Willer, Jürgen Harreiter, Emily Gianatti, Viswanathan Mohan, Helena Backman on behalf of the TOBOGM consortium

**PP 58**

**Smoking and hyperglycemia in pregnancy: their associations and impact on pregnancy outcomes**

Emmanuel Cosson, Sopio Tatulashvili, Eric Vicaut, Imen Rezgani, Sara Pinto, Meriem Sal, Amélie Benbara, Marion Fermaut, Jean-Jacques Portal, Lionel Carbillon, Puder Jardena, Hélène Bihan

**PP 59**

**Spousal correlation of cardiometabolic risk markers among Danish women with recent gestational diabetes mellitus and their spouses**

Pico ML, Maindal HT, Grunnet LG, Damm P, Jensen DM, Ovesen P, Dahl-Petersen IK, Vinter CA, Kampmann U, Mathiesen ER, Kragelund Nielsen K, On Behalf of the Face-it Study Group

**PP 60**

**Succinate/SUCNR1 axis in diabetes and pregnancy: a case-control study focused on understanding its physiological role in umbilical cord.**

Sergiy Klid, Francisco Algaba-chueca, A, Elsa Maymo-Masip, Albert Guarque, Mónica Ballesteros, Nerea Vilanova, Montse Ingles, Elisa Weiss, Ursula Hiden, Gernot Desoye, Joan Vendrell, Sonia Fernandez-Veledo, Ana Megia

**PP 61**

**The prognosis of glutamic acid decarboxylase antibodies in women with hyperglycemia in pregnancy**

Emmanuel Cosson, Elhadji Mamadou Moussa Thioye, Eric Vicaut, Etienne Larger, Meriem Sal, Sara Pinto5, Narimane Berkane, Emmanuelle Fabre, Yoann Lalatonne, Angela Sutton, Charlotte Nachtergaele, Jean-Jacques Portal, Lionel Carbillon, Hélène Bihan

**PP 62**

**Treatment of Gestational Diabetes mellitus, particularly with metformin, and pregnancy outcomes**

Valgeirsdóttir IR, Hildén K, Patil S, Simmons D, Schwarcz E, de BrunM, Montgomery S, Jansson S, Berntorp K, Persson M, Storck-Lindholm E, Sengpiel V, Wennerholm UB, Ahlsson F, Wikström AK, Strevens H, Backman H

**Theme 5 | Genomics & metabolomics ()**  
**Chairs: Mary Loeken (judge) & David Hill**

**PP 63**

**Associations between maternal glycemc and anthropometric characteristics and the early pregnancy metabolome**

Masalin S, Rönö K, Klåvus A, Koistinen V, Kärkkäinen O, Jääskeläinen T, Klemetti MM

**PP 64**

**Early fetal growth in pregnancies with preexisting diabetes -association to maternal HbA1c and BMI and impact on LGA-birthweight**

Ute Schaefer-Graf, Carlos Romero, Franziska Hauffe, Alenka Scholz, Ryna Fauzan, Dorothea Scholle, Wolfgang Henrich, Babett Ramsauer,

**PP 65**

**Evolution of fetal growth in women with and without gestational diabetes mellitus**

Kaat Beunen, Frederik Van den Abbeele, Paul Van Crombrugge, Carolien Moyson, Johan Verhaeghe, Sofie Vandeginste5, Hilde Verlaenen, Chris Vercammen, Toon Maes, Els Dufraimont, Nele Roggen, Christophe De Block, Yves Jacquemyn, Farah Mekahli, Katrien De Clippel, Annick Van Den Bruel, Anne Loccufier, Annouschka Laenen, Roland Devlieger, Chantal Mathieu and Katrien Benhalima

**PP 66**

**First trimester metabolic changes are associated with hyperinsulinism at birth in type 1 diabetes pregnancy**

Claire L Meek, Zoe A Stewart, Denice S. Feig, Albert Koulman, Helen R Murphy

**PP 67**

**High-throughput automated Evosep-MRM assay for quantification of glycated albumin in diabetes mellitus**

Martin Overgaard, Bharath Kumar Raghuraman, Angie McArdle, Dorte Møller Jensen, Lars Melholt Rasmussen, Dorte Bekker-Jensen, Ole Vorm, Nicolai Bache

**PP 68**

**Investigating the Impact of Maternal Type 1 Diabetes and Subclinical Hypothyroidism on Neonatal Telomere Length Dynamics**

Delmis Josip and Marina Ivanisevic

**PP 69**

**Low placental growth factor gene expression is not related to glycemc control but neonatal outcome in type 1 diabetes**

Rafal Iciek, Pawel Gutaj, Grazyna Kurzawinska, Anna Bogacz, Agnieszka Seremak-mrozikiewicz, Przemyslaw Mikolajczak, Jacek Brazert, Ewa Wender-Ozegowska

**PP 70**

**pir-hsa-419166, small non coding RNA is a candidate early-onset GDM biomarker.**

María Haro, Eva de la Fuente, Alfredo Sánchez Alberca, Vangeliya Atanasova, José Luis Bartha, M<sup>a</sup> del Pilar Ramos

**PP 71**

**Postprandial glucose values and excessive fetal growth; functional analysis of daily glycemc profiles in pregnant patients with type 1 diabetes treated with sensor-augmented insulin pumps – a retrospective cohort study.**

Rafal Sibiak, Urszula Mantaj, Pawel Gutaj, Graham Law, Ewa Wender-Ozegowska



**PP 72**

**Prevalence of monogenic diabetes in a cohort of pregnant women with fasting hyperglycemia: MUSA study – preliminary data**

Bitterman O., Iafusco F., Iafusco D., Musacchio E., Candido R., Di Cianni G., Pintaudi B., Di Bartolo P., Tinto N., Napoli A.

**PP 73**

**Relationship between maternal and cord blood vitamin D3 and newborn adiposity and insulin resistance variables**

L.Mendoza, J Harreiter, M van Poppel, D Simmons, G Desoye, R Corcoy on behalf of DALI Core Investigator Group

**PP 74**

**The effect of parental anthropometric parameters on the birth weight of newborns of type 1 diabetes women treated with a personal insulin pump**

Monika Zurawska-Klis, Marcin Kosinski, Katarzyna Cypryk

**PP 75**

**Type 1 diabetes is associated with functionally altered maternal and neonatal microbiome**

Pawel Gutaj, Marzena Gajecka, Katarzyna Jaskiewicz, Malgorzata Rydanicz, Tomasz Szczapa, Dorota Kaminska, Grzegorz Kosewski, Juliusz Przyslawski, Rafal Ploski, Ewa Wender-Ozegowska

**PP 76**

**Uncovering the Relationship of Type 1 Diabetes, Glucose, C-peptide, Leptin, and BDNF in Maternal and Umbilical**

**Vein Blood**

Ivanisevic Marina and Delmis Josip

**PP 77**

**Birth weight and first trimester maternal glycaemic levels in type 1 and type 2 diabetes: a retrospective cohort study**

Sidsel L. Rathcke, Marianne M. Sinding, Trine T. Christensen, Niels Ulbjerg, Ole Bjarne Christiansen, Anne H. Jepsen, Cecilie H. Fricke, Helga Beckmann, Anne N. W. Sørensen

**Theme 6 | Offspring follow-up & Other / ()**  
**Chairs: Eleanor Scott (judge) & Miira Klemetti**

**PP 78**

**Analysis of glycemic profile in continuous glucose monitoring system (CGMs) in healthy pregnant women – the preliminary study**

Marcin Kosinski, Monika Marczak, Anna Moczulska, Monika Zurawska-Klis, Katarzyna Cypryk

**PP 79**

**Burden of cardiometabolic risk factors after childbirth in Indian women with Overt Diabetes in Pregnancy compared to women with gestational diabetes and normoglycaemia**

Yashdeep Gupta, Alpesh Goyal, Mani Kalaivani, Nikhil Tandon

**PP 80**

**Differences in changes in maternal subcutaneous fat distribution throughout pregnancy, depending on gestational weight gain**

Anna M. Dieberger, Mireille N.M. van Poppel, Bence Csapo, Herbert Fluhr, Evelyn Jantscher-Krenn

**PP 81**

**Effect of breastfeeding on the recurrence of gestational diabetes: a multicentric study**

Chiara Giuliani, Laura Sciacca, Agostino Milluzzo, Andrea Tumminia, Olimpia Bitterman, Camilla Festa, Nicolina Di Biases, Angela Napoli

**PP 82**

**Breastfeeding status 3 months after delivery and perinatal risk factors for breastfeeding cessation in women with recent GDM**

Maja Thøgersen, Kragelund Nielsen K, Dahl-Petersen IK, Damm P Jensen DM, Ovesen P, Mathiesen ER, Kampmann U, Vinter CA, Maindal HT On behalf of the Face-it study group

**PP 83**

**Food intake chronotype and its association with 75g oral glucose tolerance test outcome in pregnant women at risk for gestational diabetes**

S.E. Siegelar, D. Muller, F. Holleman, S.J.P.M. Eussen, R.G. IJzerman, M.G.A.J. Wouters, R.C. Painter, D.J. Stenvers

**PP 84**

**Role of selected adipokines in the course of gestational diabetes**

Maciej Kaminski

**PP 85**

**Neurodevelopmental Outcomes among Offspring of Women with Type 1 Diabetes: A Follow up Study of the CONCEPTT Randomized Control Trial**

JM Yamamoto, Denice S Feig, Dewey, J Ho, R McManus, SL Liu, HR Murphy, LE Donovan

**PP 86**

**Normative CGM glucose levels throughout gestation in patients with uncomplicated pregnancies**

Anders Carlson, Roy Beck, Zoey Li, Elizabeth Norton, Richard Bergenstal, Mary Johnson, Sean Dunnigan, Matthew Banfield, Katie Krumwiede, Judy Sibayan, Peter Calhoun, Celeste Durnwald

**PP 87**

**Effect of a co-produced, complex, family-based health promotion intervention for women with prior gestational diabetes and their families: 1-year follow-up from the Face-it Randomised Trial**

Kragelund Nielsen K, Dahl-Petersen IK, Damm, Jensen DM, Ovesen P, Mathiesen ER, Kampmann U, Vinter CA, Knorr S, Andersen LL, Davidsen E, Jensen NH, Thøgersen M, Timm A, Støvring H, Maindal HT

**PP 88**

**Postpartum oral glucose tolerance test in women with prior gestational diabetes. Does breastfeeding affect the results? A secondary analysis**

Monroy G, Fernández C, Altimira L, Barba U, Ballsels S, Corcoy R

**PP 89**

**Pregnancy induces longitudinal changes in Urinary C-peptide Creatinine Ratio in women with type 1 diabetes**

Lilian C Mendoza, Martina Tashkova, Anne Dornhorst, Rosa Corcoy

**PP 90**

**The FinnGeDi study: Risk factors for gestational diabetes (GDM) in the second pregnancy in women without a history of prior GDM**

Jenni Pukkila, Sanna Mustaniemi, Eero Kajantie, Marja Vääräsmäki, Elina Keikkala and the FinnGeDi Study Group

**PP 91**

**The Finnish Gestational Diabetes (FinnGeDi) cohort follow-up study**

Shilpa Lingaiah, Elina Keikkala, Sanna Mustaniemi, Eero Kajantie, Marja Vääräsmäki and the FinnGeDi study group

**PP 92**

**Cord blood FGF-21 and GDF-15 levels are affected by maternal exposure to moderate-to-severe anemia and malaria**

Louise Groth Grunnet, Line Hjort, Nicolai J. Wewer Albrechtsen, Daniel Minja, Christine Rasmussen, Sofie Lykke Møller, John Lusingu, Thor Theander, Ib Bygbjerg, Christentze Schmiegelow,

**12:30-13:45 LUNCH BREAK**

**13:45-14:15 ORAL PRESENTATIONS | SESSION 5**

**Chairs: Ramos Alvarez, Maria del Pilar & Annick Bogaerts**

**OP 22**

**The FinnGeDi study: Missing sibling – a role of first-pregnancy gestational diabetes?**

Elina Keikkala, Jenni Pukkila, Sanna Mustaniemi, Hilikka Nikkinen, Jenni Kinnunen, Eero Kajantie, Marja Väärasmäk and the FinnGeDi study group

**OP 23**

**The presence of polycystic ovary syndrome increases the risk of maternal but not neonatal complications in women with type 2 diabetes in pregnancy**

Denice Feig, Paul Atkins, George Tomlinson, Mity Collaborative Group

**14:15-14:45 JOHN STOWERS POSTER AWARDS**

**Chairs: Robert Lindsay & Mary Loeken**

Recipients for 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> highest scored abstracts

**14:45-15:15 2023 JORGEN PEDERSEN LECTURE**

**Chair: Eleni Anastasiou**

**HELEN MURPHY**

***Diabetes technology use during pregnancy: Winners and Losers***

**15.15-15.25: In memoriam of Kari Teramo**

**Miira Klemetti**

**15:25-15:35 Acknowledgements & Adjournment**

**15:35-20:00 BREAK – Free Time**

**20:00 DINNER & DANCE**

**Presentation of Young Investigator Travel Awards**