



4th International Conference on Nutrition & Growth

Amsterdam, the Netherlands, March 2-4, 2017

Thursday, March 2, 2017

	Effectenbeurszaal	Administratiezaal	Veilingzaal
13:00 – 14:30	Plenary Session 1 Human Milk and Breastfeeding Chair 1: D. Turck, France Chair 2: R. Shamir, Israel 13:00 Benefits of Breast Feeding R. Shamir, Israel 13:30 Comparative Lactation / Evolution of Lactation M. Fewtrell, UK 14:00 How to Mimic Mother's Own Milk H. van Goudoever, The Netherlands		
14:30 – 14:45	Short Break		
14:45 – 15:45	Industry Symposium 1*		
15:45 – 16:15	Coffee Break & Exhibition Visit		
16:15 – 17:45	Parallel Session 1 Nutrition and Medical Interventions in Linear Growth Chair: V. Stallings, USA Chair: J. Lui, USA 16:15 Very Long Term Follow-Up of Children Born SGA, GH Treated and Non-Treated A. Hokken-Koelega, The Netherlands 16:35 Silver-Russell Syndrome (RSS). Role of Nutrition and GH Treatment L. Smeets, The Netherlands 16:55 Nutritional intervention in short and lean adolescents: Description of an ongoing study design with gender specific supplementation M. Yackobovitch-Gavan and M. Phillip, Israel 17:15 When is Growth Hormone Indicated? J-M. Wit, The Netherlands 17:35 Q&A	Oral Presentations Session 1 Neonatal & Prematurity I Chair: D. Mandel, Israel 16:15 An anthropometric model to screen for low and high neonatal body fat, using air displacement plethysmography as a criterion method A. Carberry, Australia 16:25 The 12 months follow-up of the growth and the development of 445 preterm infants F. Yang, China 16:35 Growth rate and developmental quotient of non-breastfed low birth weight preterm infants during the first years A. Suryawan, Indonesia 16:45 Preterm and term infants: body composition and lipopolysaccharide level M. Markelova, Russia	Oral Presentations Session 2 Obesity I Chair: Luis Moreno, Spain 16:15 Ethnic differences in childhood obesity in the UK M. Korani, United Kingdom 16:25 Dietary calcium intake is associated with excess weight among Latin American adolescents M. Fisberg, Brazil 16:35 Age of onset of social inequalities in body mass index and overweight: the eden mother-child cohort M. Ballon, France 16:45 Eating behaviour and growth in early childhood B. De Lauzon-Guillain, France 16:55 WHO European Childhood Obesity Surveillance Initiative: Association between exclusive breastfeeding and overweight/obesity in 6-9-year-old schoolchildren Q. Dos Santos, Denmark

		<p>16:55 Low birth weight, early postnatal growth and neurodevelopmental outcomes : a systematic review M. Taine, France</p> <p>17:05 Growth velocity of preterm infants - analysis and recommendations T. Fenton, Canada</p> <p>17:15 Growth pattern and final height of very preterm versus very low birth weight infants J. Hollanders, The Netherlands</p> <p>17:25 Gastric emptying in late preterm infants : Breast milk versus infant formulas Y. El Gendy, Egypt</p> <p>17:35 Superimposing intrauterine and postnatal growth charts to visualize start, type, and severity of intrauterine growth retardation, aiding the interpretation of postnatal growth in infants A. Spaans, The Netherlands</p>	<p>17:05 Anthropometric and contextual predictors of obesity in schoolchildren: The childhood obesity surveillance initiative in the republic of Ireland – 2010, 2012 & 2015 S. Bel-Serrat, Ireland</p> <p>17:15 Prevalence of overweight, obesity and metabolic syndrome in pediatric cancer survivors – role of nutritional intake E. Nebuloni, Italy</p> <p>17:25 How has trajectory of adult Body mass index changed over time: evidence from the China Health and Nutrition Survey 1989-2011, L. Li, United Kingdom</p> <p>17:35 Maternal caffeine intake during pregnancy and childhood growth and obesity: Results from the Norwegian mother-child cohort study E. Papadopoulou, Norway</p>
17:45 – 18:00	Short Break		
18:00 – 19:30	Industry Symposium 2*		
19:30 – 20:00	Opening Ceremony		
20:00	Welcome Reception – Exhibition Area		

	Effectenbeurszaal	Administratiezaal	Veilingzaal	Graanbeurszaal
08:00 – 10:00	Industry Symposium 3*			
10:00 – 10:30	Coffee Break, Exhibition Visit & Poster Viewing			
10:30 – 12:00	<p>Parallel Session 2 Pre-term Nutrition Chair 1: D. Mandel, <i>Israel</i> Chair 2: H. van Goudoever, <i>The Netherlands</i></p> <p>10:30 Metabolic Consequences of Being Born Preterm M. van Weissenbruch, <i>The Netherlands</i></p> <p>11:00 Nutrition and Brain Development in Preterm Infants C. van den Akker, <i>The Netherlands</i></p> <p>11:30 Mothers' Own Milk, Donor Milk or Infant Formula – Will We Ever Prevent NEC? P. Sangild, <i>Denmark</i> and T. Thymann, <i>Denmark</i></p>	<p>Parallel Session 3 Growth and Growth Monitoring Chair 1: J-M. Wit, <i>The Netherlands</i> Chair 2: S. Shalitin, <i>Israel</i></p> <p>10:30 Biology of Growth from Conception throughout Life V. Stallings, <i>USA</i></p> <p>10:55 Unrestricted Feeding and Re-feeding After Food Restriction Are Stressful for Cellular Proteostasis and May Be Involved in Late Onset Metabolic Diseases G. Gat Yablonski, <i>Israel</i></p> <p>11:20 WHO Versus National Growth Charts M. Hermanussen, <i>Germany</i> S. van Buuren, <i>The Netherlands</i></p>	<p>Oral Presentations Session 3 Diet, Nutrition and Growth Chair: A. Guz-Mark, <i>Israel</i></p> <p>10:30 Mid-gestational fetal fractional thigh volume as early marker of neonatal fat mass J. Roelants, <i>The Netherlands</i></p> <p>10: 40 Maternal perceptions and concerns about their infant and young child's weight: analysis of the born in bradford cohort study M. Ceballos Rasgado, <i>United Kingdom</i></p> <p>10:50 Fetal growth in the Elfe birth cohort B. Heude, <i>France</i></p> <p>11:00 Validation of The Screening Tool for the Assessment of Malnutrition in Pediatrics in hospital and its effect on medical staff's awareness to nutritional status L. Marderfeld, <i>Israel</i></p> <p>11:10 Effects of promoting longer-term and exclusive breastfeeding on adolescent blood pressure, adiposity, eczema, visual and neurocognitive outcomes: evidence from the PROBIT cluster-randomized trial R. Martin, <i>United Kingdom</i></p> <p>11:20 Systematic review on N-3 and N-6 PUFA intake and recommendations in lactating women, pregnant women and infants C. Campoy, <i>Spain</i></p> <p>11:30 Physiologic and behavioral bases for lower breastmilk supply in obese women: Pregnancy glycemia, prolactin response, and infant positioning E. Demerath, <i>USA</i></p> <p>11:40 Leptin directly stimulates aromatase expression in ATDC-5 cell line G. Gat Yablonski, <i>Israel</i></p> <p>11:50 Klotho, the anti-aging protein is expressed in young rat growth plate, can it be a new target for growth modulation? G. Gat Yablonski, <i>Israel</i></p>	

12:00 – 13:15	Lunch Break, Exhibition Visit & Poster Viewing	Industry Lunch Symposium 4*
13:15 – 14:15	Industry Symposium 5*	
14:15 – 14:30	Short Break	
14:30 – 15:45	Plenary Session 2 Yearbook Chair 1: M. Phillip , <i>Israel</i> Chair 2: D. Turck , <i>France</i> 14:30 The Physiology and Mechanism of Growth J. Wong , <i>UK</i> 14:38 Obesity, Metabolic Syndrome and Nutrition S. Shalitin , <i>Israel</i> 14:46 Term and Preterm Infants D. Turck , <i>France</i> 14:54 Cognition S. Bettocchi , <i>Italy</i> 15:02 Nutrition and Growth in Chronic Diseases A. Guz Mark , <i>Israel</i> 15:10 Early Nutrition, Growth, Body Composition and Later Obesity C. Mølgaard , <i>Denmark</i> 15:18 Malnutrition and Catch-up Growth During Childhood and Puberty M. Yackobovitch-Gavan , <i>Israel</i> 15:26 Pregnancy: Impact of Maternal Nutrition in Intrauterine Fetal Growth L. Hirsch , <i>Israel</i> 15:34 Stunting in Developing Countries A. Prentice , <i>UK</i> 15:42 Discussion	
15:45 – 16:15	Coffee Break, Exhibition Visit and Poster Viewing	
16:15 – 17:45	Plenary Session 3 Nutrition and Gut Microbiota	

	<p>Chair 1: C. Kunz, <i>Germany</i> Chair 2: H. Szajewska, <i>Poland</i></p> <p>16:15 Human Milk Oligosaccharides and the Gut C. Kunz, <i>Germany</i></p> <p>16:35 What is Hot on Probiotics for Clinical Practice? H. Szajewska, <i>Poland</i></p> <p>16:55 Gut Microbiota & Obesity H. Plovier, <i>Belgium</i></p> <p>17:15 New Generation Probiotics S. Rautava, <i>Finland</i></p> <p>17:35 Q & A</p>			
<p>17:45 – 19:15</p>	<p>Parallel Session 4</p> <p>Vitamin D and Growth</p> <p>Chair 1: C. Mølgaard, <i>Denmark</i> Chair 2: Z. Grossman, <i>Israel</i></p> <p>17:45 Should We Screen for Vitamin D Adequacy? F. Mimouni, <i>Israel</i></p> <p>18:05 Vitamin D and Bone Mineralization during Growth C. Mølgaard, <i>Denmark</i></p> <p>18:25 "Test me and treat me": The Medicalization of Vitamin D Deficiency Z. Grossman, <i>Israel</i></p> <p>18:45 Vitamin D, Should We Fortify or Supplement? K. Cashman, <i>Ireland</i></p> <p>19:05 Q & A</p>	<p>Parallel Session 5</p> <p>Malnutrition and Growth Impairment in Low and Middle Income Countries</p> <p>Chair 1: A. Prentice, <i>UK</i> Chair 2: J-M. Wit, <i>The Netherlands</i></p> <p>17:45 Key Nutrients in the Prevention and Treatment of Acute Malnutrition H. Friis, <i>Denmark</i></p> <p>18:15 Micronutrients and Growth in Low Income Countries A. Prentice, <i>UK</i></p> <p>18:45 Assessment of Linear Growth of Children in Low- and Middle Income Countries (LMICs) J-M. Wit, <i>The Netherlands</i></p>	<p>Oral Presentations Session 4</p> <p>Childhood and Adolescence I</p> <p>Chair: G. Gat-Yablonski, <i>Israel</i></p> <p>17:45 Mothers' intake of sugar-containing beverages during pregnancy and body composition of their children during childhood: the generation R study V. Jen, <i>The Netherlands</i></p> <p>17:55 Maternal gestational diabetes affects offspring neurodevelopment at 3.5 years old. a follow-up from the preobe cohort C. Campoy, <i>Spain</i></p> <p>18:05 Prevalence and factors associated with underweight among USA children less than 6 years-old based on Nhanes data for cycles 1999-2000 and 2013-2014 F. Rosales, <i>USA</i></p> <p>18:15 A complete and balanced child nutrition supplement supports healthy body composition during catch-up growth B. Jacob, <i>Singapore</i></p> <p>18:25 Improved compliance, nutritional intakes and growth with a high energy density, low volume paediatric oral nutritional supplement K. Sorensen, <i>United Kingdom</i></p> <p>18:35 Whole-grain intake, mainly from oats, is negatively associated with blood pressure and insulin but not with body fatness in 8-11</p>	

			<p>year-old Danish children C. Damsgaard, Denmark</p> <p>18:45 Diet quality in early and mid-childhood in relation to growth and body composition up to the age of 9 years A.N. Nguyen, The Netherlands</p> <p>18:55 Role of early life factors in ethnic differences in growth trajectories from 3 to 11 years Y. Lu, United Kingdom</p> <p>19:05 Discussion</p>	
19:15	Networking Event – Exhibition Area			

Saturday, March 4, 2017

	Effectenbeurszaal	Administratiezaal	Veilingzaal	Graanbeurszaal
07:30 – 09:00	Industry Symposium 6*			
09:00 – 09:20	Short Break			
09:20 – 10:50	<p>Parallel Session 6 Obesity Prevention Chair 1: L. Moreno, Spain Chair 2: R. Lubetzky, Israel</p> <p>09:20 Prevention of Obesity: Lessons from European Studies L. Moreno, Spain</p> <p>09:50 Does Quantity or Quality of Carbohydrates make a Difference in Turning a Child Obese? R. Lubetzky, Israel</p> <p>10:20 Establishing a Healthy Growth Trajectory from Birth: The Baby Milk Trial R. Lakshman, UK</p>	<p>Parallel Session 7 Nutrition and Growth. Lessons from Large Cohorts Chair 1: R. Martin, UK Chair 2: M. Fewtrell, UK</p> <p>09:00 The PROBIT Cohort R. Martin, UK</p> <p>09:30 Fetal Nutrition, Growth and Risk Factors for Cardiovascular Disease V. Jaddoe, The Netherlands</p> <p>10:00 ABCD Study T. Vrijkotte, The Netherlands</p>		
10:50 – 11:30	Coffee Break, Exhibition Visit & Poster Viewing			
11:30 – 13:00	<p>Parallel Session 8 What Determines our Final Adult Height? Chair 1: K.F. Michaelsen, Denmark Chair 2: M. Phillip, Israel</p> <p>11:30 A Century of Trends in Adult Human Height, Data from 200 Countries J. Bentham, UK</p> <p>11:50 Major Correlates of Adult Male Height: A Study of 105 Countries P. Grasgruber, Czech Republic</p> <p>12:10 Growth of Children; More than just the GH-IGF-1 Axis M. Phillip, Israel</p> <p>12:30 Major Determinants of Stunting in Low Income Countries K.F. Michaelsen, Denmark</p> <p>12:50 Discussion</p>	<p>Oral Presentations Session 5 Infancy I Chair: D. Turck, France</p> <p>11:30 Influence of infant feeding on longitudinal brain development and cognitive growth, N. Schneider S. Deoni, Switzerland</p> <p>11:40 Type of formula in the bottle impacts early weight gain and growth: a randomized controlled trial J. Mennella USA</p> <p>11:50 A randomized clinical trial: infant formula composition impacts energy balance J. Trabulsi, USA</p> <p>12:00 Feeding practices and IgE sensitivity at age 6 years– results from a longitudinal nutrition cohort B. Thorisdottir, Iceland</p> <p>12:10 Growth trajectories in early infancy and stunting at 2 years in Nepalese children L.K. Buser, United Kingdom</p> <p>12:20 Effects of breastfeeding relaxation therapy on breast milk composition in a randomised trial</p>	<p>Oral Presentations Session 6 Childhood and Adolescence II Chair: F. Rinawi, Israel</p> <p>11:30 24-month safety summary of phase 2 study in children with growth hormone deficiency administered once-weekly with CTP-modified human growth hormone (MOD-4023) G. Hart, Israel</p> <p>11:40 24-month efficacy summary of a phase 2 study in children with growth hormone deficiency treated on weekly basis with mod-4023, a long-acting growth hormone G. Hart, Israel</p> <p>11:50 Exclusive consumption of fast-food diet impairs rats' bone development and quality, E. Monsonego-Ornan, Israel</p> <p>12:00 No association between free sugar intakes and body weight status of two-year old Irish children Á. Hennessy, Ireland</p> <p>12:10 The effect of two probiotic strains on diarrhea in children with severe acute malnutrition - an intervention study in Uganda</p>	

		<p>N.H.M. Shukri, United Kingdom</p> <p>12:30 Improving the management of acute malnutrition in infants under 6 months (mami): testing, refining and understanding a new assessment and treatment tool S. Read, France</p> <p>12:40 Towards rollout of new WHO guidelines for improved management of severe acute malnutrition in infants aged <6 months: an agreed appraisal of national guidelines M. Kerac, United Kingdom</p> <p>12:50 Maternal and child determinants of growth trajectories from birth to 3.5 years: results from two prospective cohorts of Australian children M. Zheng, Australia</p>	<p>B. Grenov, Denmark</p> <p>12:20 Evaluating the use of a novel wallchart tool to identify stunted adolescents in Malawi P.A. Chanyarungroj, United Kingdom</p> <p>12:30 The relation of socioeconomic status to overweight, obesity and thinness in Dutch, Turkish, Moroccan and South Asian children in the Netherlands J. de Wilde, The Netherlands</p> <p>12:40 Shrinking height in children due to reduced fetal growth: Findings from a serial national cross-sectional study in Japan (1990-2010) N. Morisaki, Japan</p> <p>12:50 Discussion</p>	
<p>13:00 – 14:00</p>	<p>Lunch Break, Exhibition Visit & Poster Viewing</p>			<p>Industry Lunch Symposium 7*</p>
<p>14:00 – 15:00</p>	<p>Oral Presentations Session 7 Obesity II Chair 1: S. Shalitin, Israel Chair 2: R. Lakshman, UK</p> <p>14:00 Early introduction of complementary foods and risk of overweight in formula-fed and breastfed children L. Van Rossem, The Netherlands</p> <p>14:10 Estimation of body composition in children using photogrammetric anthropometry B. Penders, The Netherlands</p> <p>14:20 Impact of nutrition during lactation on late-onset cardio-metabolic pathologies in mice born with IUGR S. Saget, France</p> <p>14:30 A nutrigenetics approach to study the impact of genetic and dietary factors on obesity: Findings from the genuine collaboration K.S. Vimal, United Kingdom</p> <p>14:40 Long-chain polyunsaturated fatty acids and extensively hydrolyzed casein support metabolic flexibility in a UCP-1 reporter mouse model of obesity M. Schoemaker, The Netherlands</p> <p>14:50 Macronutrient composition of diet in infancy is related to growth and adiposity up to the age of 9 years, irrespective of</p>	<p>Oral Presentations Session 8 Neonatal & Prematurity II Chair 1: H. van Goudoever, The Netherlands Chair 2: F. Rinawi, Israel</p> <p>14:00 Nutritional programming of postnatal growth during lactation : IGF-I preferentially stimulates axon growth of GHRH neurons L. Kappeler, France</p> <p>14:10 Hypoglycemia screening in newborns in the Netherlands (the HypoNNL study) – results of the pilot N. Van Veenendaal, Netherlands Antilles</p> <p>14:20 Vitamin A supplementation to neonatal piglets results in sustained improvement in liver vitamin A stores but reduced growth compared with placebo S. Tanumihardjo, USA</p> <p>14:30 Responses of preterm pigs being fed bovine colostrum and formulas with either lactose or maltodextrin R. Buddington, USA</p> <p>14:40 Leucine improves growth of preterm pigs R. Buddington, USA</p>	<p>Oral Presentations Session 9 Infancy II Chair 1: A. Guz-Mark, Israel Chair 2: D. Mandel, Israel</p> <p>14:00 Pre-pregnancy maternal weight-dependent imprinting of neonatal gut microbial community and metabolism C. Campoy, Spain</p> <p>14:10 The association of pre-pregnancy body weight status with cessation of exclusive breastfeeding is modified by parity in a French nation-wide birth cohort (Epifane, 2012) J. Boudet-Berquier, France</p> <p>14:20 Association of head circumference growth velocity and neurodevelopment during the first 18 months of life in healthy infants C. Campoy, Spain</p> <p>14:30 A capability approach to child growth: A theoretical framework H. Haisma, The Netherlands</p> <p>14:40 Identifying the opportunities to curb the burden of iron deficiency anemia in infants and toddlers globally A. Prieto Patronk, Switzerland</p>	

	childhood diet T. Voortman, The Netherlands	14:50 Effects of fish oil supplementation and/or 5-methyl-tetrahydrofolate on colostrum fatty acid composition C. Campoy, Spain	14:50 Cerebral changes in protein energy malnutrition: A functional and anatomical study S. Shaaban, Egypt	
15:00 – 16:30	Plenary Session 4 Nutrition and Allergy Prevention Chair 1: N. Kalach, France Chair 2: M. Fewtrell, UK 15:00 Is there a Period of Sensitization in the First Months of Life? N. Kalach, France 15:30 Early Versus After Introduction of Potentially Allergenic Foods. LEAP and LEAP-on Study. EAT Study M. Fewtrell, UK 16:00 Update on Food Allergy in Children V. Stallings, USA			
16:30 – 16:45	Closing Ceremony			

Plenary Sessions	Industry Symposia *Not included in main event CME/CPD credit	Parallel Session	Oral Presentations	Networking Events	Opening/Closing
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