

EPGHAN Nutrition Summer School 2005

- in collaboration with Project EARNEST -

SCIENTIFIC PROGRAM

Sunday 04/09/2005

18.00	Welcome. Briefing session on the summer school <i>A. Constantopoulos – B. Koletzko</i>
18.45	Depart for the Vorre's Museum
19.30	Welcome speech by the Host. <i>A. Constantopoulos</i> Nutrition of children: does it matter? <i>B. Koletzko</i> Historical retrospection of evolution of clinical nutrition in the 20th century. <i>O. Goulet</i>
21.30	Welcome Reception

Monday 05/09/2005

07.00 - 08.30	Breakfast
08.30 – 14.00	Unresolved challenges in nutritional support <i>O. Goulet</i> Nutritional assessment of sick children: questions for research <i>K Michaelsen</i> Enteral nutrition – the evidence in children. <i>A Papadopoulou</i> Clinical trials. A practical approach <i>H Szajewska</i>
14.30	Lunch
16.00 - 18.00	ABSTRACT PRESENTATION

EVALUATION OF WHOLE BODY DXA SCANS IN CHILDREN

Mølgaard C and Michaelsen KF

Department of Human Nutrition, LMC, The Royal Veterinary and Agricultural University, Denmark

THE ROLE OF CYTOKINE IL-6 AS IMPORTANT PARAMETER FOR THE EVALUATION OF THE EFFECTS OF FISH OIL ADDITION TO MCT/LCT BASED LIPID EMULSION

Dietz V1, Demmelmair H1, Krauss-Etschmann S1, Krohn K2, Genzel-Boroviczeny O2, Fusch C3, Koletzko B1

1 Division of Metabolism and Nutrition, Dr. von Hauner Children's Hospital, University of Munich, Lindwurmstr. 4, D-80337 Munich, Germany

2 Department for Neonatology of the Children's Hospital at the Department of Gynecology and Obstetrics, University of Munich Innenstadt, Maistrasse 11, 80337 Munich, Germany

3 Neonatology, Children's Hospital, Ernst Moritz Arndt University, Soldmannstrasse 15, D-17487 Greifswald, Germany

BONE DENSITY IN PATIENTS OF CYSTIC FIBROSIS UNIT HRADEC KRALOVE

Ocenaskova E, Vanicek H, Pozler O

Pediatric Clinic, University Hospital Hradec Kralove, Czech Republic

EXPERIENCE WITH HOME PARENTERAL NUTRITION IN PEDIATRIC PATIENTS IN PRAGUE

Szitanyi P, Tlaskal P, Tejnicka J, Novakova A, Kalousova J

Charles University Hospital Motol, Prague, CR

EFFECT OF BODY IRON STATUS ON MENTAL CONCENTRATION OF SCHOOL AGED CHILDREN

Vafa MR1, Siassi F2, Jalali M2, Mahmoudi M3

Department of Social Medicine, School of Medicine, Rafsanjan University of Medical Sciences and Health Services, Rafsanjan, Iran

SERUM LEPTIN CONCENTRATION IN THE FIRST YEAR OF LIFE: RELATION TO KIND OF FEEDING, ANTHROPOMETRIC PARAMETERS, SKINFOLD THICKNESS AND BIOELECTRICAL IMPEDANCE ANALYSIS

Palumeri E, Liguori SA, Fissore MF, Oggero R, Miniero R, Savino F
Department of Pediatrics, University of Turin, Regina Margherita Children's Hospital, Italy

THE PROCESS TO PROVIDE A NEW INTERNATIONAL PROPOSAL ON NUTRIENT LEVELS IN INFANT FORMULAE

Berlepsch J, Koletzko B, Baker S, Cleghorn G, Fagundes Neto U, Gopalan S, Hernell O, Hock QS, Jirapinyo P, Lonnerdal B, Pencharz P, Pzyrembel H, Ramirez-Mayans J, Shamir R, Turck D, Yamashiro Y, Zong-Yi D

THE ROLE OF SPECIFIC PROBIOTICS ON ENTEROPATHOGENIC INFECTION IN MODELS OF HUMAN INTESTINAL EPITHELIUM.

Broekaert IJ, Walker WA, Nanthakumar NN
Pediatric Gastroenterology Laboratory, Massachusetts General Hospital & Harvard Medical School, 14 16th Street, Charlestown, MA 02129, USA

18.15 – 19.15 **EVENING DISCUSSION**
How to give a presentation *B Koletzko*
19.15 – 21.15 **ABSTRACT PRESENTATION**

THE NATURAL HISTORY OF INTESTINAL FAILURE

Köglmeier, J.; Martin, H.; Day, C.; Ward, E.; Tremlett, K.; Puntis, J.W.L
The General Infirmary, Belmont Grove, Leeds, U.K.

DIETARY INTAKE OF VITAMIN D AND SERUM 25-HYDROXYVITAMIN D CONCENTRATION INCREASED IN 4-YEAR-OLD CHILDREN AFTER NATIONAL FORTIFICATION OF FLUID MILKS AND MARGARINES WITH VITAMIN D

Tarja Piirainen^{1,3}, Kirsi Laitinen^{1,3}, Erika Isolauri^{2,3}
¹Department of Biochemistry and Food Chemistry and Functional Foods Forum and ²Department of Paediatrics University of Turku, and ³Department of Paediatrics Turku University Central Hospital, Turku, Finland

BODY MASS INDEX AS AN INDICATOR OF NUTRITIONAL STATUS IN CROATIAN PATIENTS WITH IBD

Senecic-Cala I, Dujšin M
Department of Paediatric Gastroenterology, University Hospital Rebro, Zagreb, Croatia

INDICATORS OF REDOX STATUS IN PREGNANCY

Franke C¹, Decsi T², Campoy C³, Demmelmair H, Koletzko B¹
¹Division of Metabolic Diseases & Nutrition, Dr. von Hauner Children's Hospital, MU Munich
² Department of Pediatrics, University of Pécs, Hungary
³Department of Pediatrics, University of Granada, Spain

IS THE CRYING BEHAVIOUR IN INFANTS UP TO THE AGE OF 3 MONTHS INFLUENCED BY THE TYPE OF EARLY NUTRITION ?

Schiess S¹, Oberle D¹, Broekaert I¹, Reith A², Verwied-Jorky S¹, Koletzko B¹
¹Dr. von Hauner Children's Hospital, LMU, Munich, Germany, ²Children's Hospital, Klinikum Nürnberg-Süd, Nürnberg, Germany

INFANTILE VITAMIN B12 DEFICIENCY: PATHOBIOCHEMICAL CONSIDERATIONS IN 7 PATIENTS

Roschitz B¹, Plecko B¹, Huemer M², Sperl W³
Department of Pediatrics of ¹University Hospital Graz; ²Hospital Feldkirch; ³University Hospital Salzburg, Austria

HIGH FREQUENCY OF MALNUTRITION ON PAEDIATRIC WARDS IN THE NETHERLANDS.

Schweizer JJ¹, Assink DA¹, de Hullu AW², Dekker FW³
Departments of ¹Pediatrics, ²Dietetics and ³Clinical Epidemiology, Leiden University Medical Centre, The Netherlands

21.30 **Dinner**

Tuesday 06/09/2005

07.00 - 08.30 **Breakfast**

08.30 – 14.00 **IBD, a model for nutrition and inflammation** *IW Booth*
Gut bacteria and immune regulation *S Kolacek*
Failure to thrive of non organic aetiology. Nutritional considerations *T Karagiozoglou*
Unresolved issues in food allergy *S. Koletzko*

14.30 **Lunch**

16.00 - 18.00 **ABSTRACT PRESENTATION**

BIOLOGICAL LIQUIDS AGGREGATION IN INFANTS ON DIFFERENT FEEDING. EXPERIENCE OF INDIVIDUAL ADMINISTRATION OF REGULAR AND SPECIAL FORMULAS IN NUTRITION OF INFANTS DURING THE FIRST YEAR OF LIFE.

Syrochkina M.A., Sannikov N.E., Dolmatova Y.V.
Ural State Medical Academy, Ykaterinburg, Russia

EFFECT OF ZINC SUPPLEMENTATION ON PREVENTION OF DIARRHEA: A RANDOMIZED CONTROL TRIAL

Go, G., Magsino, L., Uy, G.
Philippine Children's Medical Center

DEVELOPMENT OF A VALID AND RELIABLE MALNUTRITION SCREENING TOOL FOR HOSPITALIZED PATIENTS AGED 0 – 2 YEARS.

Goday PS.
Medical College of Wisconsin, Milwaukee, USA

SCREENING FOR MALNUTRITION

Karin Kok, Chief Pædiatric Dietician
Paediatric Nutrition Unit, University Hospital Rigshospital, Copenhagen, Denmark

NUTRITIONAL SUPPLEMENTATION WITH POLYMERIC DIET ENRICHED WITH TRANSFORMING GROWTH FACTOR B2 (TGF B2) IMPROVES DISEASE ACTIVITY IN CHILDREN WITH CROHN'S DISEASE

1Hartman C, 1Berkowitz D, 2Weiss B, 3Shaoul R, 4Levine A, 1Eshach Adiv O, 5Shapira R, 2Fradkin A, 6Wilschanski M, 7Tamir A, 1Shamir A.

Division of Pediatric Gastroenterology and Nutrition, Meyer Children's, Hospital of Haifa, Department of Community Medicine, Bruce Rappaport, School of Medicine, Technion-Israel Institute of Technology, Haifa, 2Safran, Children's Hospital, Tel Aviv, 3Bnai-Zion Medical Center, Haifa, 4Wolfson; Medical Center, Tel-Aviv, 5Schneider Children's Medical Center, Petach-Tiqva, 6 Shaare Zedek Medical Centre, Jerusalem, Israel.

FEEDING A HOME-MADE ENTERAL DIET THROUGH NASOENTERAL TUBE IN A PEDIATRIC POPULATION WITH SPECIAL NEEDS IS EFFECTIVE FOR NUTRITIONAL RECOVERY.

Villalpando S, Lopez-Contreras N., Toussaint G, Garcia-Aranda JA,
Pediatric Gastroenterology and Nutrition Department. Hospital Infantil de México « Federico Gomez », Mexico City.

EFFECTS OF DOCOSAHEXAENOIC ACID ON FATTY ACIDS, PLASMALIPIDS AND EVOKED POTENTIALS IN VEGETARIANS

Geppert J1, Kraft V1, Demmelmair H1, Mueller-Felber W2, Koletzko B1,
1Division of Metabolic Diseases and Nutrition, Dr. von Hauner Children's Hospital, Ludwig Maximilians University of Munich, Munich, Germany; 2Friedrich Baur Institute, Ludwig Maximilians University of Munich, Munich, Germany.

18.00 – 20.00 **Break.**

20.00 – 21.00 **EVENING DISCUSSION**
How to write a paper and how to get it published *J Puntis*

21.30 **Dinner**

Wednesday 07/09/2005

07.00 - 08.30 **Breakfast**

08.30 – 13.00 **Unresolved problems in parenteral nutrition** *J Puntis*
Bone health in children with chronic illness. Considerations for nutritional intervention. *J Rigo*

13.15 – 14.15 **Short bowel syndrome – is there a potential for novel approaches?** *IW Booth*
Cystic fibrosis – what is the future? *D Turck*

LEARNING CENTRE ACTIVITIES
The process of grant application *K Michaelsen*

14.30 Lunch
15.30 Depart for Athens Acropolis
21.30 Dinner

Thursday 08/09/2005

07.00 - 08.30 Breakfast
08.30 - 13.00 Pathophysiology and treatment of hyperlipidemia in children *R Shamir*
Metabolic programming: the potential for paediatrics *C. Agostoni*
The hypothalamic- pituitary-adrenal axis in childhood obesity *G. Chrousos*
Prevention and treatment of childhood obesity: the challenge for paediatric research *B.*

Koletzko

14.30 Lunch
16.00 – 17.00 Mediterranean diet in children in the land of origin. Myth and reality *R Roma – Y Manios*
17.00 – 19.00 ABSTRACT PRESENTATION

EFFECT OF DOCOSAHEXAENOIC ACID SUPPLEMENTATION ON URINARY 8-HYDROXY-2'-DEOXYGUANOSINE AND MALONDIALDEHYDE EXCRETIONS IN UNCOMPLICATED PREGNANCY

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FAT INTAKE AND SERUM LIPIDS AMONG INFANTS 6-12 MONTHS OF AGE

Öhlund I1., Hörnell A1, Lind.T2., Hernell O2
1Department of Food and Nutrition and 2Department of Clinical Sciences, Umeå University, Sweden

EFFECT OF SUPPLEMENTATION OF PREGNANT WOMEN WITH LONG-CHAIN POLYUNSATURATED FATTY ACIDS ON PREGNANCY OUTCOMES AND GROWTH PARAMETERS AT BIRTH: A META-ANALYSIS OF RANDOMISED CONTROLLED TRIALS

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1The Medical University of Warsaw, Dept of Paediatric Gastroenterology & Nutrition, Warsaw, Poland
2Dr von Haunersches Kinderspital, Klinikum, Universitaet Muenchen, Germany

THE FOOD HABITS OF GREEK CHILDREN

Roma-Giannikou E, Adamidis D, Gianniou M, Matsaniotis N
1st Department of Pediatrics, Athens University, Athens, Greece

PREVALENCE OF IMPAIRED GLUCOSE TOLERANCE AND METABOLIC SYNDROME IN OBESE CHILDREN AND ADOLESCENTS

Vazeou A1, Roumanis G1, Koumanzeli C1, Papathanasiou A2, Stamoyannou L, Papadopoulou A1, Hatdjiathanasiou2
A'Department of Pediatrics1 and Department of Endocrinology2 "P & A Kyriakou Children's Hospital, Athens, Greece

DOES GLYCEMIC INDEX (GI) APPLY IN SMALL CHILDREN - A PILOT STUDY

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2Department of Applied Nutrition and Food Chemistry, Chemical Centre, Lund University, Lund, Sweden
3Department of Pediatrics, Lund University Hospital, Lund, Sweden

20.00 – 21.00 EVENING DISCUSSION
Systematic reviews and meta-analyses *H Szajewska*
21.00 Farewell dinner

Friday 09/09/2005

07.00 - 08.30 Breakfast
08.30 - 09.30 Nutritional intervention in inborn errors of metabolism *C Agostoni*
09.30 -10.30 Malnutrition in the handicapped child. What do we know and what do we not know?
D Turck
10.30 – 11.30 CLOSING SESSION