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# ESPGHAN 52<sup>nd</sup> ANNUAL MEETING

of the European Society for Paediatric Gastroenterology, Hepatology and Nutrition

5–8 June 2019 | [www.espgghancongress.org](http://www.espgghancongress.org) | [@ESPGHANSociety](https://twitter.com/ESPGHANSociety)

Friday, 07 June 2019


Plenary Session: Gastroenterology 1		
08:30	Maternal gluten and fibre intake during pregnancy and risk of childhood celiac disease: the Norwegian mother and child cohort study	Ketil Størdal (Norway)
08:40	Potential celiac disease patients fail to express activating NK receptors and epithelial stress markers even those who will evolve to full-blown CD	Valentina Discepolo (Italy)
08:50	Current treatment of <i>Helicobacter pylori</i> infected children and adolescents in Europe: interim results of the new EuroPedHp registry	Thu Giang Le Thi (Germany)
09:00	Intestinal-specific Reg4 deficiency ameliorates intestinal inflammation	Yongtao Xiao (China)


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Plenary Session: Gastroenterology 1

09:10	Top-down Infliximab superior to step-up in children with moderate-to-severe Crohn's disease – a multicenter randomized controlled trial	Lissy de Ridder (The Netherlands)
09:20	Alterations in T and B cell receptor repertoires patterns in patients with deleterious IL10/IL10 receptor mutations and history of infantile-onset IBD	Dror Shouval (Israel)
09:30	A phase I randomised, double-blind, placebo-controlled study to assess the safety and tolerability of (Thetanix®) <i>Bacteroides thetaiotaomicron</i> in adolescents with stable Crohn's disease	Richard Hansen (United Kingdom)
09:40	Identification of serum protein biomarkers for non-invasive diagnosis of pediatric IBD using SOMAscan	Towia A. Libermann (United States)

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#### Plenary Session: Nutrition

08:30	Fecal metabolite profiles of mixed-fed infants are more similar to formula-fed than breastfed infants	Sharon Donovan (United States)
08:40	Annurca apple extracts in treatment of children's hypercholesterolemia: double blind placebo controlled cross-over randomized study	Michele di Toma (Italy)
08:50	Milk-derived exosomes (MDE) have a different biological effect on normal fetal epithelial colonic cells compared to colonic tumor cells in a miRNA-dependent manner	Shimon Reif (Israel)
09:00	Dietary choline-containing phospholipids are associated with cognitive performance in school-aged children	Jian Yan (Switzerland)
09:10	Early intervention with hydrolysed formulas is not protective against functional gastrointestinal disorders in adolescence – the GINI Study	Carla Patricia Harris (Germany)
09:20	Effects of infant formula enriched with milk fat globule membrane (MFGM) and lactoferrin on the gastrointestinal microbiome and metabolome	Steven Wu (United States)
09:30	Effect of long-chain polyunsaturated fatty acid supplementation of preterm infants on infection. A systematic review and meta-analysis	Miguel Saenz de Pipaon (Spain)
09:40	Maternal and child gluten intake and risk of type 1 diabetes: the Norwegian mother and child cohort study	Ketil Størdal (Norway)

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#### Plenary Session: Hepatology

08:30	The contribution of variants in genes involved in bile acid metabolism to the progression of Non-alcoholic fatty liver disease in a paediatric cohort	Teresa Brunetti (United Kingdom)
08:40	Effects of the ileal bile acid transport inhibitor A4250 on serum bile acids, pruritus and sleep in patients with Alagille syndrome: phase 2 study results	Ulrich Baumann (Germany)
08:50	Factors associated with the natural course of disease in patients with FIC1-deficiency: the NAPPED-consortium	Daan van Wessel (The Netherlands)
09:00	Biallelic mutations in RINT1 – a new cause of recurrent acute liver failure with onset in infancy and dysostosis multiplex	Dominic Lenz (Germany)
09:10	Functional rescue of an ABCB11 variant by ivacaftor: a new targeted pharmacotherapy approach in bsep deficiency	Elodie Mareux (France)
09:20	Bile duct injury in a toxic model of biliary atresia is mediated by genes in WNT and NOTCH signaling pathways	Orith Waisbourd-Zinman (Israel)
09:30	Biodegradable biliary stent placement as treatment of anastomotic biliary strictures in paediatric patients with liver transplantation	Javi Juamperez (Spain)
09:40	Impact of donor CYP3A5 genotype and graft size on tacrolimus pharmacokinetics in paediatric liver transplant patients	Michele Pinon (Italy)

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Keynote Lecture Nutrition		Magnus Domelöf (Sweden)
10:00	The gut microbiome – maternal/fetal factors and health outcomes	Lars Engstrand (Sweden)




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Clinical Practice in Gastroenterology		Rok Orel (Slovenia); Andy Barclay (United Kingdom)
11:15	Polyposis: topline from the guidelines	Warren Hyer (United Kingdom)
11:50	Eosinophilic GI disease beyond the esophagus – to treat or not to treat?	Jorge Amil Dias (Portugal)
12:15	Paediatric Functional GI Disorders: if drugs don't work...what else?	Marc Benninga (The Netherlands)
12:40	Fecal Microbiota Transplantation – beyond C Diff	Richard Kellermayer (United States)
13:05	Gastrointestinal Allergy: Contemporary approaches to diagnosis and management	Sibylle Koletzko (Germany)



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Parallel Session: Nutrition 2		
11:15	Results of a 24-week phase III study of teduglutide in children with short bowel syndrome–associated intestinal failure (SBS–IF)	Susan Protheroe (United Kingdom)
11:25	Low FODMAP diet is not effective in reducing symptoms of functional abdominal pain in children: a randomized, double-blind study	Katarzyna Mirosława Boradyn (Poland)
11:35	Effects of fish oil lipid emulsion compared with MCT/LCT lipid emulsion on intestinal failure associated liver disease (IFALD) in children	Ying Wang (China)
11:45	Third trimester maternal choline supplementation improves child memory, attention, and problem-solving at age 7 years	Richard L. Canfield (United States)
11:55	Serum bile acids perturbations induced by disturbed gut microbiota in a rat model of parenteral nutrition-associated liver disease	Ying Wang (China)
12:05	The overload gut syndrome	Cecile Lambe (France)

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Parallel Session: Gastroenterology 3		
11:15	CD-TREAT a novel dietary therapy of active Crohn's disease using the exclusive enteral nutrition paradigm	Vaios Svolos (United Kingdom)
11:25	Crohn's disease exclusion diet is equally effective but better tolerated than exclusive enteral nutrition for induction of remission in mild to moderate active paediatric Crohn's disease: a prospective randomized controlled trial	Arie Levine (Israel)
11:35	Exclusive enteral nutrition versus corticosteroid induction therapy for new onset paediatric Crohn's disease: comparison of 18 month outcomes in a Canadian prospective multi-centre inception cohort	Thomas D. Walters (Canada)
11:45	Not so simple perianal Crohn's Disease! – operative intervention for perianal fissuring disease in South-East Scotland: an 18 year population-based cohort study	Cher-Antonia Khedim (United Kingdom)
11:55	Efficacy, pharmacokinetics and immunogenicity is not affected by switching from Infliximab originator to a biosimilar in pediatric patients with inflammatory bowel disease	Karen van Hove (Belgium)
12:05	Thiopurine enhancement using Allopurinol in the short and medium term in paediatric inflammatory bowel disease (piBD) – paediatric IBD porto group of ESPGHAN	Ali Hakizimana (United Kingdom)

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Parallel Session: Hepatology 1		
11:15	Growth trajectories in Alagille syndrome from birth to early childhood: towards condition specific growth charts	Koen Huysentruyt (Canada)
11:25	Cholestasis decreases hippocampal dendritic spine density in an organotypic rat model	Laurianne Giovannoni (Switzerland)
11:35	ATP7B and copper homeostasis genes in Wilson's disease by targeted next-generation sequencing	Annamaria Sapuppo (Italy)
11:45	Predicting long-term outcome after surgical biliary diversion in BSEP-deficiency patients: results from the NAPPED consortium	Daan van Wessel (The Netherlands)
11:55	Hepatoadrenal syndrome in cirrhotic children: does it exist?	Moinak Sen Sarma (India)
12:05	Endoscopic variceal ligation as primary prophylaxis for upper gastrointestinal bleeding in children	Maria Mercadal-Hally (Spain)



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Parallel Session: Gastroenterology 4		
11:15	Prospective longitudinal gut metagenomic analysis suggests altered microbiome composition and function in infants prior to celiac disease onset	Francesco Valitutti (Italy)
11:25	Growth of children with celiac disease is compromised before the onset of the disease	Renata Auricchio (Italy)
11:35	Helicobacter pylori infection in children with concomitant coeliac disease and type 1 diabetes mellitus	Burcu Volkan (Turkey)
11:45	Analysis of glycosylated hemoglobin values in coeliac patients, compared with those of general population: a possible marker of an increased health risk?	Maria Bavastrelli (Italy)
11:55	A novel homozygous CARMIL2 variant causes infantile colitis and eosinophilic disease without recurrent infections	Orly Eshach Adiv (Israel)



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Parallel Session: Nutrition 3		
12:30	Frequency of gene variants of the leptin / melanocortin pathway in severe obesity	Beatrice Dubern (France)
12:40	Validity of LATCH Score in predicting exclusive breast feeding and weight velocity at 6 weeks in healthy term Indian infants	Mubashir Hassan Shah (India)
12:50	Pre-pubertal amino acid and lipid metabolism associates with glycaemic traits at adolescence	Francois-Pierre Martin (Switzerland)
13:00	Adiponectin agonist treatment during pregnancy improves glycaemia but not lipid profile in diabetic rats and their offspring	Antonio Gázquez (Spain)
13:10	Effectiveness of individual vs. group-based lifestyle intervention on anthropometric and metabolic profile of obese children	Elvira Verduci (Italy)
13:20	Dietary patterns established early in life and their associations with cardiovascular risk factors in late childhood	Veronica Luque (Spain)

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Parallel Session: Gastroenterology 5		
12:30	Early feeding in acute pancreatitis in children – a prospective randomised controlled trial	Shlomi Cohen (Israel)
12:40	The way from abdominal pain to pediatric pancreatitis - the PINEAPPLE study	Dora Mosztbacher (Hungary)
12:50	The utility of ultrasound in cystic fibrosis related liver disease	Julie Dobbin (United Kingdom)
13:00	An international multicentre validation study of the toronto listing criteria for pediatric intestinal transplant	Amin J. Roberts (New Zealand)
13:10	Developmental and cognitive profile of children with intestinal failure	Riikka Gunnar (Finland)
13:20	Muscle mass after intestinal transplantation in children is greater than in those on home parenteral nutrition	Kushila Rupasinghe (United Kingdom)

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Parallel Session: Hepatology 2		
12:30	Shortened 8-weeks course of Sofosbuvir/Ledipasvir therapy in adolescents with chronic Hepatitis C infection: a real-world experience	Daniele Serranti (Italy)
12:40	Development and Validation of a novel, dynamic, etiology specific prognostic model (Peds-HAV) in 100 children with Hepatitis A induced paediatric acute liver failure	Bikrant Biharilal Raguvanshi (India)
12:50	A combined blood and MR imaging risk score for monitoring liver inflammation in paediatric AIH	Kamil Janowski (Poland)
13:00	Cellular infiltrate and expression of IL-37 in pediatric AIH, PSC and ASC	Lucas Griessmair (Germany)
13:10	Functional and immunometabolic analysis of liver derived MAIT cells in autoimmune liver disease	Suz Warner (United Kingdom)
13:20	Preventative strategies against cytomegalovirus in paediatric liver transplantation: results from the European prospective multi-centre ChilSFree cohort study	Emanuele Nicastro (Italy)

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Parallel Session: Gastroenterology 6		
12:30	Treatment failure, safety, and immunogenicity of anti-TNF treatment in biologic-naïve children and adolescents with Crohn's disease: a subgroup analysis of the PANTS cohort	Neil Chanchlani (United Kingdom)
12:40	Tolerability, safety, and efficacy of varicella-zoster-virus vaccination in immunosuppressed children with inflammatory bowel disease or autoimmunehepatitis	Carsten Posovszky (Germany)
12:50	Nephrotoxicity of aminosalicylates in children and adolescents with inflammatory bowel disease (IBD)—data excerpt of CEDATA GPGE®	Angeliki Pappa (Germany)
13:00	Neurological adverse events induced by tumour necrosis factor alpha inhibitors in paediatric inflammatory bowel diseases: an analysis based on the French National Pharmacovigilance Database	Valerie Bertrand (France)
13:10	Final growth in paediatric Crohn's Disease is impaired also in the era of biologics: a population based analysis from the epiIRN administrative cohort	Amit Assa (Israel)
13:20	An ongoing safety registry to identify rare and severe complications in paediatric-onset IBD	Martine A. Aardoom (The Netherlands)

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Parallel Symposium: Functional GI-disorders		Nikhil Thapar (United Kingdom); Silvia Salvatore (Italy)
15:15	Functional Nausea, diagnosis and treatment	Katja Kovacic (United States)
15:40	<b>Abstract:</b> Pediatric PPI use and fracture risk	Nathan Fleishman (United States)
15:50	<b>Abstract:</b> Genetic factors influence on the development of functional constipation (FC) disease in children	Elzbieta Czkwianiec (Poland)
16:00	Pain modulation in functional abdominal pain disorders	Qasim Aziz (United Kingdom)
16:25	The effect of placebo in FGIDs	Arine Vlieger (The Netherlands)
16:50	Allergy and FGIDs a true association?	Yvan Vandenplas (Belgium)

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Parallel Symposium: Contemporary management of PIBD		Dan Turner (Israel); David Wilson (United Kingdom)
15:15	Managing PIBD in low resource setup	Almuthe Christina Hauer (Austria); Michael Lentze (Germany)
15:40	PIBD head: predicting disease course in IBD and how to select children requiring biologics at disease onset	Anne Griffiths (Canada)
16:05	Predicting response to anti-TNF in children	Nick Kennedy (United Kingdom)
16:30	<b>Abstract:</b> Vedolizumab is effective in real life paediatric inflammatory bowel disease: report from the prospective, multi-centre VEDOKIDS cohort study	Dan Turner (Israel)
16:40	<b>Abstract:</b> Proactive adalimumab trough measurements increase corticosteroid-free clinical remission in pediatric patients with Crohn's disease: the pediatric Crohn's disease adalimumab level-based optimization treatment (PAILOT) randomized controlled trial	Amit Assa (Israel)
16:50	Will the new UC guidelines help me look after my patients? Examples from practice	Javier Martin de Carpi (Spain)



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Parallel Symposium: Liver transplantation		Françoise Smets (Belgium); Marianne Samyn (United Kingdom)
15:15	The late post-transplant liver biopsy: towards standardisation	Stefan Hübscher (United Kingdom)
15:48	<b>Abstract:</b> Evolution of liver transplantation for children and adolescents in Europe - a report of the European liver transplant registry	Ulrich Baumann (Germany)
15:58	Late graft injury – Natural history and mechanisms	Steffen Hartleif (Germany)
16:31	<b>Abstract:</b> Early emergence of de novo donor specific antibodies in pediatric liver recipients are associated with T cell mediated rejection	Come Tissandier (Switzerland)
16:41	Noninvasive assessment of fibrosis after liver transplantation: where do we stand?	Jonathan Fallowfield (United Kingdom)

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Parallel Symposium: Donor human milk		Nicholas Embleton (United Kingdom); Judith Simpson (United Kingdom)
15:15	What is the evidence base for the use of donor milk in preterm infants?	Nicholas Embleton (United Kingdom)
15:45	<b>Abstract:</b> Postnatal longitudinal growth and reference growth charts for very preterm infants on predominant human milk feeding	Srinivas Murki (India)
15:55	<b>Abstract:</b> The preparation and storage of fortified expressed breast milk in neonatal units in England - a survey	Mandy Davies (United Kingdom)
16:05	Protection of functional components during donor milk pasteurization	Jean-Charles Picaud (France)
16:35	<b>Abstract:</b> Effects of early use of donor human milk on growth, development and neonatal morbidity in very low birth weight infants: comparison to mother's own milk and preterm formula	Deepa Hariharan (India)
16:45	Discussion: examples and challenges of national organisation of milk banking	Sertac Arslanoglu (Turkey) Jean-Charles Picaud (France) Magnus Domellof (Sweden) Hans van Goudoever (The Netherlands)