## LLL Session
### Session 1: Nutritional Support in GI Diseases
*Moderator:* J. Shaffer (UK)
*Speakers:* J. Shaffer (UK), S. Klek (PL), R. Meier (CH)

- The Compromised Gut
- Challenges in Treating Intestinal Failure in Short Bowel Syndrome (After Extensive Gut Resections)
- Nutritional Support in Gastrointestinal Fistulas
- Nutritional Support in Inflammatory Bowel Diseases

### Session 2: ICU Nutrition and Problem Solving
*Moderator:* P. Singer (IL)
*Speakers:* P. Singer (IL), M. Hiesmayr (AT)

- How to maintain homeostasis by nutrition care in the ICU
- More than choosing a route: enteral and parenteral nutrition
- Repletion, supplementation and pharmaconutrition
- Clinical priorities for solving complex ICU patients problems

### Session 3: Nutrition in the Perioperative Period
*Moderator:* A. Weimann (DE)
*Speakers:* A. Weimann (DE), O. Ljungqvist (SE), D. Lobo (UK)

- Metabolic Responses to Surgical Stress
- Nutritional Goals in the Perioperative Period
- Managing Surgical Stress: Principles of Enhanced Recovery and Effect on Outcomes
- Making the Gut work

### Session 4: Nutrition in Obesity
*Moderator:* I. Chermesh-Rozenwasser (IL)
*Speakers:* I. Chermesh-Rozenwasser (IL), M. Chourdakis (GR)

- Nutrition in the Prevention of Obesity
- Non-surgical Interventions in Severely Obese Patients
- Pre-operative Medical Assessment, Post-operative Follow-up and Clinical Outcome in Bariatric Surgical Patients
- The Obesity Paradox - BMI and Beyond

### Session 5: Nutritional Support in Cancer
*Moderator:* A. Laviano (IT)
**Speakers:** A. Laviano (IT), P. Ravasco (PT)
Mechanisms and Clinical Features of Cancer Cachexia
Nutritional Effects of Cancer Therapy and Potential Modulation of Tumor Growth
Benefits and Limitations of Conventional Nutritional Support for Cancer Patients
Pharmacological and Multimodal Therapy for Cancer Cachexia

**LLL Session**

**Session 6: Nutrition in Metabolic Syndrome**

*Yangtze 2*

**Moderator:** M. León Sanz (ES)
**Speakers:** M. León Sanz (ES), R. Barazzoni (IT), C. Cuerda (ES), J. Singer (IL)
Diagnostic Criteria for Metabolic Syndrome
Insulin Resistance: From Pathophysiology to Clinical Assessment
Lifestyle Interventions in Metabolic Syndrome
Drug Therapy beyond Lifestyle is it Cost Effective for Metabolic Syndrome?

**LLL Session**

**Session 7: Nutrition and Prevention of Diseases**

*Asia*

**Moderator:** M. Muscaritoli (IT)
**Speakers:** M. Muscaritoli (IT), R. Burgos (ES)
Nutrition in the Prevention of Neurological Diseases
Nutrition in the prevention of cardiovascular diseases

**LLL Session**

**Session 8: Nutrition in Neurological Diseases**

*Europe 1&2*

**Moderator:** R. Burgos (ES)
**Speakers:** S. Schneider (FR), R. Burgos (ES), I. Breton (ES)
Nutritional and Metabolic Consequences of Neurological Diseases
Nutritional Support in Acute Neurological Diseases
Nutritional support in stroke
Nutritional support in chronic neurological diseases

**LLL Session**

**Session 9: Nutrition in Older Adults**

*Oceania*

**Moderator:** S. Schneider (FR)
**Speakers:** T. Cederholm (SE), J. Bauer (DE), M. de van der Schueren (NL), S. Schneider (FR)
Epidemiology, aetiology and consequences of malnutrition in Older Adults
Age related Sarcopenia
Nutritional Screening, Assessment and Diagnosis.
Dietary Advice and Oral Nutritional Supplements in Older Adults
Artificial Nutrition in Older Adults

Saturday 09 September 2017

**LLL Session**

09:00 – 13:00

**Session 10: Nutrition and Sports**

*Yangtze 1*

**Moderator:** K. Melzer (CH)

**Speakers:** K. Melzer (CH), L. Genton-Graf (CH), N. Rotovnik Kozjek (SL)

- Energy Balance Regulation: Effects of Exercise
- Nutrition for Endurance Sports
- Nutrition for Strength and Power Sports
- Physical Activity in Chronic Diseases

**LLL Session**

09:00 – 13:00

**Session 11: Approach to Oral and Enteral Nutrition**

*Yangtze 2*

**Moderator:** M. Pirlich (DE)

**Speakers:** M. Pirlich (DE), K.A. Poulia (GR), A. Forbes (UK)

- Indications, Contraindications, Complications and Monitoring of EN
- Oral and Sip Feeding
- Formulae for Enteral Nutrition
- Techniques of Enteral Nutrition

**LLL Session**

09:00 – 13:00

**Session 12: Home Parenteral Nutrition in Adult Patients**

*Asia*

**Moderator:** L. Pironi (IT)

**Speakers:** F. Joly (FR), L. Pironi (IT), M. Staun (DK), A. Van Gossum (BE)

- Indications and outcome
- Training and Monitoring
- Venous access and line complications
- Metabolic complications of home parenteral nutrition and indications for intestinal transplantation in chronic intestinal failure

**LLL Session**

09:00 – 13:00

**Session 13: Approach to Parenteral Nutrition**

*Europe 1&2*

**Moderator:** Z. Krznaric (HR)

**Speakers:** Z. Krznaric (HR), A. Laviano (IT), S. Mühlebach (CH)

- Indications and Contradictions for Parenteral Nutrition
- Techniques of Parenteral Nutrition
- Compounding, Drugs and Nutritional Admixtures in Parenteral Nutrition
- Monitoring and Complications of PN
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00 – 13:00</td>
<td><strong>LLL Session</strong>&lt;br&gt;Session 14: Nutritional support in pediatric patients II&lt;br&gt;<strong>Moderator:</strong> S. Kolaček (HR)&lt;br&gt;<strong>Speakers:</strong> S. Kolaček (HR), K. Joosten (NL), H. Szajewska (PL)&lt;br&gt;Nutrition in Infancy, and Childhood and prevention of adult diseases&lt;br&gt;Enteral Nutrition in Pediatric Patients&lt;br&gt;Parenteral Nutrition in Pediatric Patients&lt;br&gt;Principles of feeding in pediatric ICU</td>
<td>Oceania</td>
</tr>
<tr>
<td>10:00 – 11:30</td>
<td><strong>PROMISS /MaNuEL Symposium</strong>&lt;br&gt;Tackling Malnutrition in older adults: novel insights from two EU projects&lt;br&gt;<strong>Moderators:</strong> M. Visser (NL), D. Volkert (DE)</td>
<td>Onyx</td>
</tr>
<tr>
<td>14:00 – 15:30</td>
<td><strong>Working Group</strong>&lt;br&gt;Geriatrics Guideline consensus meeting&lt;br&gt;This working group session open to all will be dedicated to reaching a consensus for the upcoming ESPEN guidelines</td>
<td>Onyx</td>
</tr>
<tr>
<td>14:00 – 15:30</td>
<td><strong>Scientific Session</strong>&lt;br&gt;Improving outcomes for cancer patients: dedicated to Kenneth CH Fearon&lt;br&gt;<strong>Moderators:</strong> D. Lobo (UK), M. von Meyenfeldt (NL)</td>
<td>King Willem Alexander</td>
</tr>
<tr>
<td>14:00 – 15:30</td>
<td><strong>LLL Live Session</strong>&lt;br&gt;LLL live course 1- Let’s talk about nutrition (NESG)&lt;br&gt;<strong>Moderator:</strong> M. Muscaritoli (IT)</td>
<td>Yangtze 1&amp;2</td>
</tr>
</tbody>
</table>
Evidence-based facts in nutrition: how to produce and extract the evidence
Z. Krznaric (HR)

Nutrition facts: cost-effectiveness of nutrition support
M. Muscaritoli (IT)

Communication: from theory to practice
J. Singer (IL)

Discover your personality to improve your communication skills
A. Golay (CH)

**Educational Session**

14:00 – 15:30

**Novel approaches to optimize dietary intake in older adults**

*Moderators: K.A. Poulia (GR), C. Jonkers (NL)*

- Encouraging protein intake through food modifications
- Improving nutritional behaviour using e-health
- Knowledge mismatch between professionals and older malnourished adults

Mississippi

**Scientific Session**

14:00 – 15:30

**The link between environment and energy metabolism**

*Moderators: D. Heyland (CA), E. Nascimento (NL)*

- Adipose tissue development and energy metabolism during weight gain: lesson of overfeeding experiments
- Cold acclimation, light exposure and energy metabolism
- Tissue hypoxia and energy metabolism

Amazon

15:30 – 16:00 Coffee Break

**Scientific Session**

16:00 – 17:30

**Debate: Saturated fat – harmful or harmless?**

*Moderators: M. Soeters (UK), N.E.P. Deutz (US)*

*Panelists: P. Calder (UK), R. Mensink (NL)*

Amazon

**Scientific Session**

16:00 – 17:30

**Metabolic pathways and muscle maintenance**

*Moderators: R. Wolfe (US), K. Dejong (NL)*

- Mitochondrial dysfunction in muscle wasting
- Facilitating muscle recovery after critical illness- known knowns and known unknowns
- Efficacy of interventions targeting muscle in disease

**Abstract Session**

16:00 – 17:30

**Oral Communications I: Macro and Micronutrient Metabolism**

Onyx
Moderators: N. Delzenne (BE), A. Shenkin (UK)

**OR01**  N-3 POLYUNSATURATED (N-3 PUFA) FATTY ACID ENRICHMENT PREVENTS INTRAVENOUS LIPID-INDUCED ACUTE STIMULATION OF MITOCHONDRIAL REACTIVE OXYGEN SPECIES GENERATION AND LOWERS ATP PRODUCTION IN RAT SKELETAL MUSCLE

**OR02**  AD LIBITUM FEEDING OF A LOW CARBOHYDRATE-HIGH FAT DIET REDUCES PLASMA AND INTESTINAL PRO-INFLAMMATORY CYTOKINE LEVELS AFTER GUT ISCHEMIA REPERFUSION IN MICE

**OR03**  NO ASSOCIATION BETWEEN IMPAIRED GLYCEMIC CONTROL AND ADVERSE OUTCOME IN HIP FRACTURE PATIENTS

**OR04**  RELEVANCE OF INULIN TYPE PREBIOTICS IN THE IMPROVEMENT OF POSTPRANDIAL HYPERLIPEMIA: A MECHANISTIC APPROACH

**OR05**  POST-PRANDIAL PROTEIN HANDLING FOLLOWING INGESTION OF DIFFERENT AMOUNTS OF PROTEIN DURING POST-EXERCISE RECOVERY IN OLDER MALES

**OR06**  PLASMA ACYLCARNITINES AND AMINO ACIDS, FATTY ACIDS, LEPTIN/ADIPONECTIN AND HUMAN MERCAPTALBUMIN IN STUDY SUBJECTS WITH MILDLY IMPAIRED RENAL, VASCULAR AND METABOLIC HEALTH COMPARED TO “SUPER HEALTHY” SUBJECTS

**OR07**  HYPOXIA INCREASE CITRULLINE PRODUCTION BY HUMAN ENTEROCYTES: AN IN VITRO STUDY

**OR08**  THE PROTECTIVE EFFECT OF VITAMIN D3 ON INTESTINAL FAILURE-ASSOCIATED LIVER DISEASE IN A RAT MODEL OF SHORT BOWEL SYNDROME

**OR09**  SUPPLEMENTATION WITH CURCUMIN IMPROVED AGE-RELATED LOSS OF MUSCLE FUNCTION IN OLD RATS

**Scientific Session**

16:00 – 17:30  
**Pediatrics**  
Moderators: K. Joosten (NL), J. Hulst (NL)

Nutritional strategies for prevention of NEC  
Infant formula: does one size fit all?  
Early life origins of obesity  

**Educational Session**

16:00 – 17:30  
**Using the gut in acute care patients**  
Moderators: M. Uyar (TR), S. Olde-Damink (NL)

Therapeutic options for postoperative ileus in colorectal surgery  
Perioperative enteral access  
Permissive underfeeding in practice  

**Main Session**
17:30 – 18:30  
**Opening Session**  
*Moderator: A. Van Gossum (BE), G. Wanten (NL), K. Joosten (NL)*  
**Nutrition: A Space Odyssey**  
A. Kuipers (NL)  

18:30 – 20:30  
**Welcome Reception**  
Queen Maxima

---

**Sunday 10 September 2017**

**LLL Live Session**

08:00 – 10:00  
**LLL Live course 2 - Nutritional Support in Diabetes and Dyslipidemia**  
*Moderator: M. León Sanz (ES)*  

- Medical Nutrition in Diabetes Mellitus 1  
- Nutritional Support in Diabetes Type I and Type II  
- Dyslipidemia: Targeting the management of cardiovascular risk factors  
- Prescription of Artificial Nutrition in Patients with Dislipidemia  

- Yangtze 1&2

**Educational Session**

08:30 – 10:00  
**Meeting nutritional needs of acute care patients**  
*Moderators: P. Austin (UK), P. Weijs (NL)*  

- Fasting or feeding before chemotherapy  
- Micronutrients in parenteral nutrition  
- Feeding acute pancreatitis patients  

- King Willem Alexander

**Scientific Session**

08:30 – 10:00  
**Nutrition, bile acids and metabolic health**  
*Moderators: S. Bischoff (DE), R. Skipworth (UK)*  

- New insights in bile acid biology  
- Bile acids and brown adipose tissue  
- Bile acids after bariatric surgery  

- Mississippi

**Abstract Session**

08:30 – 10:00  
**Oral Communications II : Nutrition and Chronic Disease**  
*Moderators: T. Harris (US), A. Sala-Vila (ES)*  

- **OR10** BASELINE CHARACTERISTICS AND CLINICAL RESPONSE TO TEDUGLUTIDE IN PATIENTS WITH SHORT BOWEL SYNDROME BASED ON RESIDUAL BOWEL ANATOMY  

- Amazon  

- P. B. Jeppesen (DK)
OR11  FIRST STUDY IN "REAL LIFE" ON THE EFFECT OF TEDUGLUTIDE AT 3 MONTHS IN A COHORT OF ADULT PATIENTS WITH SHORT BOWEL SYNDROME (SBS).  
F. Joly (FR)

OR12  NEUROPROTECTIVE EFFECT OF EGCG LOADED NANOPARTICLES ON ALUMINIUM CHLORIDE INDUCED ALZHEIMER DISEASE IN WISTAR RATS  
N. A. Singh (IN)

OR13  LONG-TERM EFFICACY OF A NUTRITIONAL INTERVENTION STRATEGY TO OPTIMIZE AND MAINTAIN EFFICACY OF PULMONARY REHABILITATION IN COPD: THE NUTRAIN TRIAL  
M. van Beers (NL)

OR14  OBSTRUCTIVE SLEEP APNEA AND MALNUTRITION: A PRELIMINARY STUDY.  
C. Breuillard (FR)

OR15  OMEGA 3 FATTY ACIDS ATTENUATE ENDOTHELIAL DYSFUNCTION BY RESTORING NITRIC OXIDE AVAILABILITY IN CHRONIC KIDNEY DISEASE  
G. Gortan Cappellari (IT)

OR16  THE ONSET OF DYNAPEANIA MAY PRECEDE SARCOPENIA DUE TO METABOLIC DERANGEMENTS IN ADULT WOMEN WITH OBESITY  
E. Poggiogalle (IT)

OR17  CITRULLINE AND LPS-INDUCED OXIDATIVE STRESS DURING NONALCOHOLIC FATTY LIVER DISEASE  
J.-P. De Bandt (FR)

OR18  RANDOMISED TRIAL SHOWS LOW VOLUME ENERGY DENSE ORAL NUTRITIONAL SUPPLEMENTS IMPROVE TOTAL NUTRITIONAL INTAKE WITH LITTLE SUPPRESSION OF FOOD INTAKE IN MALNOURISHED FREE LIVING OLDER PEOPLE.  
T. Smith (UK)

Abstract Session

Oral Communications III: Nutritional assessment, epidemiology and formulations  
Onyx

Moderators: K. Norman (DE), A. Bosy-Westphal (DE)

OR19  PREVALENCE OF TACHYPHAGIA AT LUNCH AND ASSOCIATED FACTORS IN 415 FRENCH WORKERS.  
J. C. Desport (FR)

OR20  FACTORS THAT AFFECT SURVIVAL IN TYPE 3 INTESTINAL FAILURE; A SINGLE CENTRE EXPERIENCE OF 978 PATIENTS OVER 37 YEARS  
S. Oke (GB)

OR21  ASSOCIATION BETWEEN MALNUTRITION AND ORAL HEALTH IN DUTCH NURSING HOME RESIDENTS: RESULTS OF THE LPZ-STUDY  
L. C. de Groot (NL)

OR22  COMPATIBILITY STUDY WITH A NATURAL FOOD-BASED TUBE FOOD  
S. B. Schmidt (DE)

OR23  OCCURRENCE & SALVAGE OF INFECTED CENTRAL VENOUS CATHETERS IN HOME PARENTERAL NUTRITION: EXPERIENCE FROM A NATIONAL UK CENTRE  
A. Bond (GB)

OR24  A NOVEL IN-HOSPITAL MEAL SERVICE IMPROVES PROTEIN AND ENERGY INTAKE, A PROSPECTIVE STUDY.  
D. N. Dijxhoorn (NL)

OR25  VALIDITY OF PREDICTIVE EQUATIONS FOR RESTING ENERGY EXPENDITURE FOR OVERWEIGHT OLDER ADULTS WITH AND WITHOUT DIABETES  
A. M. Verreijen (NL)

OR26  NATIONAL OBLIGATORY SCREENING LEAD TO DECREASED MALNUTRITION RATES IN PAEDIATRIC INPATIENTS  
A. van den Berg (NL)

OR27  LET’S DIAGNOSE SARCOPENIA WITH A DEEP BREATH  
O. Deniz (TR)
LLL Session
TTT-LLL COURSE
Moderators: R. Komsa (BU), R. Meier (CH), M. León Sanz (ES)

A conceptual system to guide training at Virtual University of Clinical Nutrition
LLL History, structure, organization and plans for the future
Achievements of LLL programme
Access & Rules of LLL WEB-Portal
Logistics to plan an LLL life course and structure of a life course

Main Session
10:30 – 11:15
Sir David Cuthbertson Lecture
Moderators: A. Van Gossum (BE), M. Pirlich (DE)
Amino acids and the regulation of protein metabolism
R. Wolfe (US)

Main Session
11:15 – 12:00
ESPEN Best Abstracts 2017 & ESPEN Travel Awards
Moderators: D. Lobo (UK), A. Schols (NL)

OR28 PERFORMANCE OF CT-BASED DIAGNOSIS OF SARCOPENIA (SCT) AND BIOELECTRIC IMPEDANCE DERIVED LOW PHASE ANGLE (PA) IN THE DETECTION OF AN INCREASED RISK OF NUTRITION RELATED MORTALITY
M. Plauth (DE)

OR29 REDUCED INTESTINAL FADS1 GENE EXPRESSION AND PLASMA OMEGA-3 FATTY ACIDS AFTER ROUX-EN-Y GASTRIC BYPASS
P. C. G. El-Gohary (BR)

OR30 A HIGHER PROTEIN INTAKE IS NOT ASSOCIATED WITH 5-YEAR CHANGE IN MID-THIGH MUSCLE CROSS-SECTIONAL AREA BY COMPUTED TOMOGRAPHY IN OLDER ADULTS: THE HEALTH, AGING, AND BODY COMPOSITION (HEALTH ABC) STUDY
A. M. Verreijen (NL)

OR31 SHORT AND LONG TERM EFFECT OF ENDOSCOPIC DUODENAL SLEEVE FOR THE TREATMENT OF DIABETES AND OBESITY
T. Engel (IL)

OR32 TAUROLIDINE LOCKING PREVENTS CATHETER-RELATED BLOODSTREAM INFECTIONS IN PATIENTS ON HOME PARENTERAL NUTRITION – A RANDOMIZED CONTROLLED TRIAL
Y. Wouters (NL)

Working Group
12:30 – 14:15
ICU Guideline consensus meeting
This working group session will be dedicated to reaching a consensus for the upcoming ESPEN guidelines
Oceania
12:00 – 13:30 Lunch & Poster Tours

**LLL Live Session**

13:30 – 15:30  
**LLL Live course 3 - Nutritional Assessment and Techniques, Body Composition and Energy Balance**  
*Moderator: R. Meier (CH)*

- Nutritional Screening and Assessment  
  R. Meier (CH)
- Body composition  
  K. Norman (DE)
- Energy Balance  
  L. Sobotka (CZ)

**Educational Session**

14:00 – 15:30  
**Altering lifestyle to improve nutritional status in older adults**  
*Moderators: M. de van der Schueren (NL), D. Volkert (DE)*

- Impact of socioeconomic factors on nutritional status  
  J. Oude Groeniger (NL)
- Nutritional interventions to prevent and treat frailty  
  F. Landi (IT)
- Exercise interventions to prevent and treat frailty  
  D. Schöne (DE)

**Scientific Session**

14:00 – 15:30  
**Health consequences of fat storage**  
*Moderators: E. Blaak (NL), M. Soeters (NL)*

- Novel advances in imaging of fat tissue content and metabolism  
  P. Nuutila (FI)
- Ectopic fat infiltration: metabolic and clinical consequences  
  E. Blaak (NL)
- Fat depletion by bariatric surgery and improvement of co-morbidities  
  A. Thorell (SE)

**Scientific Session**

14:00 – 15:30  
**Scientific rationale for feeding or starving**  
*Moderators: R. Thibault (FR), S. Olde-Damink (NL)*

- Nutrient plasticity: nutrients and the cancer cell  
  A. Laviano (IT)
- Could fish oil be harmful in cancer patients?  
  P. Calder (UK)
- Feeding critically ill patients - less or more?  
  G. Elke (DE)

**Educational Session**

14:00 – 15:30  
**Specific needs of patients with chronic disease**  
*Moderators: P. Ravasco (PT), M. Serlie (NL)*

- Ketogenic diets for cancer patients: paradigm shift?  
  N. Erickson (DE)
- Drug – Nutrient interactions  
  R. Witkamp (NL)
- The use of dietary supplements in cancer patients  
  A. Kapala (PL)

15:30 – 16:00 Coffee Break

**Scientific Session**
16:00 – 17:30 **Nutrition and the gut microbiome**  
*Moderators: P. Bekker Jeppesen (DK), D. Jonkers (NL)*

Population based metagenomics analysis  
Gut microbial transplantation as a novel therapeutic tool  
Microbiome-based nutritional interventions in obesity  

**Scientific Session**

**Nutrition, metabolism and circadian rhythm**  
*Moderators: R. Barazzoni (IT), W. Marken van Lichtenbelt (NL)*

Maternal obesity during pregnancy alters offspring circadian rhythms and increases their risk to metabolic diseases  
Nutritional reprogramming of the circadian clock  
The relevance of chronobiology in ICU  

16:00 – 17:30 **Abstract Session**

**Oral Communications IV: Nutrition in the Surgical Patient**  
*Moderators: S. Olde-Damink (NL), O. Ljungqvist (SE)*

**OR33** RANDOMIZED CONTROLLED TRIAL OF AN ENHANCED RECOVERY AFTER SURGERY PROTOCOL IN PATIENTS UNDERGOING PANCREATICODUODENECTOMY  
K. Takagi (JP)

**OR34** HIGH-FAT ENTERAL NUTRITION ACTIVATES CHOLECYSTOKININ RECEPTORS TO PRESERVE INTESTINAL MUCOSAL BARRIER FUNCTION AFTER PERITONEAL AIR EXPOSURE  
S. Tan (CN)

**OR35** IMPACT OF EARLY ENTERAL NUTRITION WITH AN IMMUNOMODULATING DIET ENRICHED WITH HYDROLYZED WHEY PEPTIDE ON OUTCOMES AFTER LIVER TRANSPLANTATION  
N. Kamo (JP)

**OR36** INFLUENCE OF SHORT-TERM FASTING AND CARBOHYDRATE ADMINISTRATION ON GUT IMMUNITY AND MUCOSAL MORPHOLOGY IN MICE  
K. Higashizono (JP)

**OR37** NURSE-INITIATED POSTOPERATIVE ENTERAL NUTRITIONAL INTERVENTION FOR PATIENTS UNDERGOING GASTROINTESTINAL OPERATIONS: A PROSPECTIVE CONTROLLED STUDY  
J. W. Ho (HK)

**OR38** DOES EARLY TOTAL PARENTERAL NUTRITION IMPROVE POST-OPERATIVE OUTCOME FOR INTESTINAL OBSTRUCTION? — A RANDOMIZED CONTROLLED TRIAL  
V. Wong (HK)

**OR39** CHANGES IN RESTING ENERGY EXPENDITURE IN PATIENTS WITH EXTREME OBESITY AFTER BARIATRIC SURGERY  
M. Giribes (ES)

**OR40** REDUCED DUODENAL BCO1 AND RBP4 GENE EXPRESSION AFTER ROUX-EN-Y GASTRIC BYPASS SUGGESTS A POTENTIAL MECHANISM CONTRIBUTING FOR POSTOPERATIVE VITAMIN A DEFICIENCY  
P. Garla (BR)
WEIGHT GAIN AND OBESITY ARE RELATED TO EATING BEHAVIOR AND FOOD CRAVING AFTER LIVER TRANSPLANTATION

M. I. Correia (BR)

**Educational Session**

16:00 – 17:30

**Paediatric specificities of nutritional assessment**

*Moderators: M. de van der Schueren (NL), J. Olieman (NL)*

Nutritional screening and assessment in children

K. Gerasimidis (GR)

Body composition measurement in children

N. Mehta (US)

Swallowing assessment in children

L. Remijn (NL)

**Educational Session**

16:00 – 17:30

**Taste and food intake in older adults**

*Moderators: S. Schneider (FR), M. Visser (NL)*

Sensory aspects of food intake

S. Boesveldt (NL)

Oral health and malnutrition

G.J. van der Putten (NL)

Taste panel research: implications for clinical practice

E. Doets (NL)

---

**Monday 11 September 2017**

**LLL Live Session**

08:00 – 10:00

**LLL Live course 4 - Nutritional Support in Liver and Pancreatic diseases**

*Moderator: R. Meier (CH)*

Nutritional support in acute liver failure

W. Bernal (UK)

Nutritional support in chronic liver disease

M. Plauth (DE)

Nutritional Support in Acute Pancreatitis

R. Meier (CH)

Nutritional Support in Chronic Pancreatitis

J. Ockenga (DE)

**Educational Session**

08:30 – 10:00

**Hospital discharge: and now?**

*Moderators: K. Boeykens (BE), P. Voogt (NL)*

Late nutritional complications of bariatric surgery

E. Montastier (FR)

The future of cancer survivors

M. Muscaritoli (IT)

Securing nutritional care at home

A.M. Beck (DK)

**Scientific Session**

08:30 – 10:00

**Microbiome beyond the gut**

*Moderators: A. Schols (NL), N. Delzenne (BE)*

Does the gut microbiota control the lung tissue?

G. Folkerts (NL)

Influence of the gut microbiome on adipose tissue

E. Blaak (NL)

How the gut controls the brain

J. Cryan (IE)
Abstract Session

08:30 – 10:00

**Oral Communications V : Paediatrics**

Moderators: H. Budge (UK), K. Joosten (NL)

**OR42**

IS THERE ANY EFFECT OF DIETARY GLYCEMIC INDEX AND LOAD DURING PREGNANCY ON BIRTH WEIGHT OF INFANT IN WOMEN WITH AND WITHOUT GESTATIONAL DIABETES MELLITUS?

G. Ede (TR)

**OR43**

STEROID TREATMENT, CRANIAL IRRADIATION AND RISK OF OVERWEIGHT AFTER CHILDHOOD CANCER

F. N. Belle (CH)

**OR44**

IRON DEFICIENCY ANEMIA IN CHILDREN IN HOME PARENTERAL NUTRITION PROGRAMME.

A. Zyla-Pawlak (PL)

**OR45**

DOES FOOD INSULIN INDEX IN THE CONTEXT OF MIXED MEALS AFFECT METABOLIC PARAMETERS IN OBESE ADOLESCENTS?

Z. Caferoglu (TR)

**OR46**

ESPEN SURVEY ON CHRONIC INTESTINAL FAILURE (CIF) IN CHILDREN

L. Pironi (IT)

**OR47**

NUCLEAR TOMOGRAPHIC IMAGING AND NUTRITIONAL REHABILITATION FOR CEREBRAL FUNCTIONS FOLLOW UP IN KWASHIORKOR

E. R. Abdelhamid (EG)

**OR48**

NONALCOHOLIC FATTY LIVER DISEASE IN CHILDREN WITH EXCESS OF WEIGHT.

J. C. Desport (FR)

**OR49**

COST STUDY OF THE MULTICENTER RANDOMIZED CONTROLLED TRIAL “EARLY VERSUS LATE PARENTERAL NUTRITION IN CRITICALLY ILL CHILDREN”

E. Van Puffelen (NL)

**OR50**

OVERWEIGHT IN CHILDHOOD CANCER PATIENTS AT DIAGNOSIS AND THROUGHOUT THERAPY: A MULTICENTRE COHORT STUDY

F. N. Belle (CH)

Scientific Session

08:30 – 10:00

**Rehabilitation of the intestine**

Moderators: P. Singer (IL), G. Wanten (NL)

The role of nutrients in perfusion and microcirculation in septic patients

K. Lenaerts (NL)

New nutritional therapies for enhancing intestinal function

R. Thibault (FR)

How do recent clinical trials inform future research in the ICU?

D. Heyland (CA)

Main Session

10:30 – 11:15

**Arvid Wretlind Lecture**

Moderators: Z. Krznaric (BR), G. Wanten (NL)

The structured procedure of nutrition support: between dream and daily practice

J. Kondrup (DK)

Main Session
11:15 – 12:15

**ESPEN-ENHA-MNI Joint Session: Optimal Nutritional Care for All – Innovative and Patient-Centric Care**

*Moderator: A. Van Gossum (BE)*

Welcome

**Addressing the needs of complex patients – Bridging medical, social and psychosocial care through better coordination:**
From feeding the body to feeding the person: Coordination of various carers/clinicians around the complex patient – from practice to policy

**Addressing the needs of complex patients – Bridging medical, social and psychosocial care through better coordination:**
Impact of clinical complexity and social factors on patients health

Innovating in health with new technologies and patient centered policies - How can eHealth support better care?

2017 MNI Grant winner

A. Van Gossum (BE)

C. Smit (NL)

R. Burgos (ES)

B. O’Connor (IE)

T. Meyerhoff (DE) & the Grant winner

---

**12:15 – 13:30 Lunch & Poster Tours**

---

**LLL Live Session**

13:30 – 15:30

**LLL Live course 5 - Nutrition in Respiratory Diseases**

* Moderator: A. Schols (NL)*

Evidence based management of pulmonary cachexia
Obesity in chronic respiratory diseases: two sides of a coin
Nutritional modulation of metabolism in COPD; similarities with top sports?
The impact of exacerbations and hospitalization in COPD: New targets for nutritional intervention

P. Collins (AU)
E. Rutten (BE)
L. van Loon (NL)
A. Schols (NL)

---

**14:00 – 15:30**

**Educational Session**

**Case discussion: œsophagectomy**

* Moderator: K. Boeykens (BE)*

Case discussion: œsophagectomy

**Panelists:** R. Caccialanza (IT), C. Compher (US), D. Lobo (UK), K. Ottens-Oussoren (NL), R. Thibault (FR), C. Wong (UK)

H. van Veer (BE)

---

**Scientific Session**

**Interactions between nutrition and physical activity**

* Moderators: M. León Sanz (ES), N. Mehta (US)*

King Willem Alexander
Effect of sedentary behaviour on metabolic health and clinical outcomes  
Validation of physical activity assessment methodologies  
Metabolic control of neuronal excitability  

**Scientific Session**

**14:00 – 15:30**

**Metabolic phenotyping in precision medicine**

*Moderators: N.E.P. Deutz (US), E. Blaak (NL)*

- Precision phenotyping in precision nutrition in metabolic diseases
- Capturing metabolic complexity in patients by imaging
- Biomarker discovery and validation for nutrition research

**Abstract Session**

**14:00 – 15:30**

**Oral Communications VI : Liver, Gastrointestinal Tract and Cancer**

*Moderators: S. Olde-Damink (NL), M. Pirlich (DE)*

**OR51**
- SHORT-TERM OUTCOME OF PATIENTS ON HOME PARENTERAL NUTRITION (HPN) FOR CHRONIC INTESTINAL FAILURE (CIF)
  - L. Pironi (IT)

**OR52**
- RESTRICTED VS UNRESTRICTED ORAL INTAKE IN HIGH OUTPUT END JEJUNOSTOMY SYNDROME PATIENTS.
  - J. Sobocki (PL)

**OR53**
- A MULTICENTER, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED TRIAL OF EXTRACT OF HERBAL MEDICINE DAIKENCHUTO TO PREVENT BOWEL DYSFUNCTION AFTER ADULT LIVER TRANSPLANTATION
  - T. Kaido (JP)

**OR54**
- EFFECTS OF FIBERS DERIVED FROM CEREALS IN THE MODULATION OF INFLAMMATION INDUCED BY AN OVER-CONSUMPTION OF FRUCTOSE: IMPLICATION OF THE GUT MICROBIOTA
  - F. Suriano (BE)

**OR55**
- DISTURBED ENTEROHEPATIC BILE SALT SIGNALING IN INTENSIVE CARE PATIENTS WITH DIARRHEA
  - R. van Gassel (NL)

**OR56**
- EARLY PER ORAL FOOD INTAKE DOES NOT INCREASE THE INCIDENCE OF COMPLICATIONS AFTER PANCREATODUODENECTOMY
  - M. Bezmarevic (RS)

**OR57**
- CITRULLINE, AN EARLY PREDICTIVE MARKER OF HIGH-GRADE ACUTE GRAFT-VERSUS-HOST DISEASE
  - T. Hueso (FR)

**OR58**
- MICRO RNA ANALYSIS FROM A PHASE II TRIAL INTO INTRAVENOUS OMEGA 3 AND CONVENTIONAL CHEMOTHERAPY IN PALLIATIVE OESOPHAGOgastric CANCER PATIENTS
  - J. Isherwood (GB)

**Member Session**

**17:30 – 19:00**

**ESPEN General Assembly**
Tuesday 12 September 2017

**Educational Session**

08:30 – 10:00

**Case discussion: bone marrow transplant**

*Moderator: P. Ravasco (PT)*

Case on Hemato-oncology (allogeneic stem cell transplantation)

*Panelists: L. Arribas Hortigüela (ES), J. Beurskens (NL), F. Keil (AT), M. Muscaritoli (IT), C. Wong (UK)*

**Scientific Session**

08:30 – 10:00

**ESPEN Research Fellowship**

*Moderators: D. Lobo (UK), N. Delzenne (BE)*

Description of lactate kinetics in a 3-compartment model at rest and during adrenergic stimulation in healthy humans

Metabolic effects of chemotherapy and the clinical effects of nutritional intervention in cancer

Feeding prior to exercise alters subsequent postprandial plasma glucose kinetics and insulin sensitivity in healthy males

Glycine counteracts inflammation-induced anabolic resistance and wasting in mouse skeletal muscle

Early Goal-directed Nutrition in ICU Patients - The EAT-ICU Trial

**Scientific Session**

08:30 – 10:00

**Metabolic consequences of disease co-existence**

*Moderator: P. Calder (UK), N.E.P. Deutz (US)*

The critically ill with chronic co-morbidity

Wasting: Chronic kidney disease and COPD

Tryptophan metabolism: link between chronic disease and mental well-being

**Abstract Session**

08:30 – 10:00

**Oral Communications VII : Critical Care**

*Moderators: S. Ruiz Santana (ES), N. Mehta (US)*

**OR60**

GASTROINTESTINAL ORGAN FAILURE SYMPTOMS INCLUDED IN SOFA SCORES IMPROVE MORTALITY PREDICTION IN THE ICU: A MATHEMATICAL APPROACH.

*P. Singer (IL)*

**OR61**

VISCERAL ADIPOSE TISSUE PROTECTS AGAINST MUSCLE LOSS IN SEPSIS

*M. R. Baggerman (NL)*
<table>
<thead>
<tr>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>OR62</td>
<td>ASSOCIATION OF BODY MASS INDEX AND OUTCOME IN CHRONIC HEMODIALYSIS PATIENTS REQUIRING INTENSIVE CARE THERAPY</td>
<td>W. Druml (AT)</td>
</tr>
<tr>
<td>OR63</td>
<td>EFFECT OF COMBINED PROTEIN ENRICHED ENTERAL FEEDING AND EARLY CYCLE ERGOMETRY IN MECHANICALLY VENTILATED CRITICALLY ILL PATIENTS: A PROSPECTIVE, RANDOMIZED, COMPARATIVE, SINGLE-BLIND CONTROLLED STUDY</td>
<td>I. Kagan (IL)</td>
</tr>
<tr>
<td>OR64</td>
<td>FASTING IS THE STRONGEST RISK FACTOR FOR HOSPITAL MORTALITY IN CRITICALLY ILL UNDERWEIGHT PATIENTS</td>
<td>L. V. Viana (BR)</td>
</tr>
<tr>
<td>OR65</td>
<td>A RANDOMIZED TRIAL OF SELENIUM SUPPLEMENTATION IN HIGH-RISK CARDIAC SURGERY PATIENTS: RESULTS OF A MULTICENTRE PILOT STUDY</td>
<td>C. Stoppe (DE)</td>
</tr>
<tr>
<td>OR66</td>
<td>REGULATION OF POSTNATAL MYONUCLEAR ACCRETION ASSESSED BY A NOVEL IN VITRO MODEL</td>
<td>A. E. M. Kneppers (NL)</td>
</tr>
<tr>
<td>OR67</td>
<td>EFFECTS OF THE INFUSION OF INTRAVENOUS FLUIDS ON THE CALORIC AND PROTEIN DEFICITS IN CRITICALLY ILL PATIENTS</td>
<td>J. E. De Aguilar-Nascimento (BR)</td>
</tr>
</tbody>
</table>

**Scientific Session**

08:30 – 10:00

**Sensory perception through the course of life**

*Mississippi*

- Nutrient sensing and signalling in the gastrointestinal tract
  - S. Shirazi-Beechey (UK)
- Development of taste preferences in early life
  - S. Nicklaus (FR)
- Emerging role of sensory perception in aging
  - M. Gosney (UK)

10:00 – 10:30 Coffee Break

10:30 – 12:00

**Clinical Nutrition Symposium**

*Mississippi*

- Adherence to the Mediterranean diet is associated with the severity of non-alcoholic fatty liver disease
  - M. Kontogianni (GR)
- Disease associated malnutrition correlates with length of hospital stay in children
  - C. Hecht (DE)
- Inulin-type fructans modulate intestinal Bifidobacterium species populations and decrease fecal shortchain fatty acids in obese women
  - N. Delzenne (BE)

**Scientific Session**

10:30 – 12:00

**Nutrition and ageing**

*Yangtze 1&2*

- Ageing of the digestive tract
  - S. Schneider (FR)
- Does calorie restriction prolong lifespan?
  - T. Cederholm (SE)
- Biomarkers of accelerated ageing: are they influenced by nutrition?
  - A. Sala-Vila (ES)
10:30 – 12:00 **Regulation of food intake and clinical applications**
*Moderators: K. Norman (DE), M. de van der Schueren (NL)*

- Mechanisms of altered food intake in anorexia
- Brain fMRI approaches to evaluate and modulate appetite regulation in humans
- The psychology of hypophagia in childhood cancer patients

10:30 – 12:00 **Educational Session**

**Specific nutritional care in children**
*Moderators: C. Jonkers (NL), K. Joosten (NL)*

- Feeding the critically ill child
- Maintaining good nutritional status in cerebral palsy
- The role of food in children with functional gastrointestinal disorders

10:30 – 12:00 **Educational Session**

**Upcoming ESPEN Guidelines**
*Moderators: P. Singer (IL), S. Bischoff (DE)*

- Nutritional support in neurology
- Polymorbid internal medicine inpatients guidelines
- Nutritional support in liver diseases