LLL Session
09:00 – 13:00
Session 1: Nutritional Support in GI Diseases
**Yangtze 1**
*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

LLL Session
09:00 – 13:00
Session 2: ICU Nutrition and Problem Solving
**Yangtze 2**
*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

LLL Session
09:00 – 13:00
Session 3: Nutrition in the Perioperative Period
**Europe 1&2**
*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

LLL Session
09:00 – 13:00
Session 4: Nutrition in Obesity
**Oceania**
*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

LLL Session
14:00 – 18:00
Session 5: Nutritional Support in Cancer
**Yangtze 1**
*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**

**14:00 – 18:00**

**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**

**14:00 – 18:00**

**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**

**14:00 – 18:00**

**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**

**14:00 – 18:00**

**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**

**Session 10: Nutrition and Sports**

*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**

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

*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**

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

*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**

**Session 13: Approach to Parenteral Nutrition**

*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
**LLL Session**

**Session 14: Nutritional support in pediatric patients II**

*Moderator: S. Kolaček (HR)*

*Speakers: S. Kolaček (HR), K. Joosten (NL), H. Szajewska (PL)*

Nutrition in Infancy, and Childhood and prevention of adult diseases

Enteral Nutrition in Pediatric Patients

Parenteral Nutrition in Pediatric Patients

Principles of feeding in pediatric ICU

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**PROMISS /MaNuEL Symposium**

**Tackling Malnutrition in older adults: novel insights from two EU projects**

*Moderators: M. Visser (NL), D. Volkert (DE)*

Introduction to two large EU projects on malnutrition in older adults: PROMISS and MaNuEL

The effectiveness of nutritional interventions in older adults across different health care settings: a pooled analysis of individual patient data from 10 randomized controlled trials

Timing of protein intake in relation to the risk of low protein intake in older adults

Poor dietary quality and long-term risk of incident malnutrition in older adults

Determinants of incident malnutrition in older persons: results of a multi-cohort meta-analysis

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**Working Group**

**Geriatrics Guideline consensus meeting**

This working group session open to all will be dedicated to reaching a consensus for the upcoming ESPEN guidelines

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**Scientific Session**

**Improving outcomes for cancer patients: dedicated to Kenneth CH Fearon**

*Moderators: D. Lobo (UK), M. von Meyenfeldt (NL)*

Novel molecular targets for muscle recovery in older cancer patients

Optimal nutritional care during cancer treatment

New insights into enhanced recovery after cancer surgery

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**LLL Live Session**

**LLL live course 1- Let’s talk about nutrition (NESG)**

*Moderator: M. Muscaritoli (IT)*
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
  M. de van der Schueren (NL)

- Improving nutritional behaviour using e-health
  T. Santos (PT)

- Knowledge mismatch between professionals and older malnourished adults
  M. Visser (NL)

**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
  M. Laville (FR)

- Cold acclimation, light exposure and energy metabolism
  W. Marken van Lichtenbelt (NL)

- Tissue hypoxia and energy metabolism
  P. Trayhurn (UK)

15:30 – 16:00 Coffee Break

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)

16:00 – 17:30
Metabolic pathways and muscle maintenance
Moderators: R. Wolfe (US), K. Dejong (NL)

- Mitochondrial dysfunction in muscle wasting
  H. Gosker (NL)

- Facilitating muscle recovery after critical illness- known knowns and known unknowns
  Z. Puthucheary (UK)

- Efficacy of interventions targeting muscle in disease
  M. Engelen (NL)

**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

G. Gortan Cappellari (IT)

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

T. Watanabe (JP)

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

J. Thörling (SE)

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

S. Hiel (BE)

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

A. M. Holwerda (NL)

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

B. M. Winklhofer-Roob (AT)

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

M. Couchet (FR)

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

Y. Li (CN)

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

C. Boutry (CH)

Scientific Session

16:00 – 17:30

Pediatrics

Moderators: K. Joosten (NL), J. Hulst (NL)

Nutritional strategies for prevention of NEC

M. Vermeulen (NL)

Infant formula: does one size fit all?

B. Koletzko (DE)

Early life origins of obesity

H. Budge (UK)

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

M. Luyer (NL)

Perioperative enteral access

M. Klos (NL)

Permissive underfeeding in practice

J.-C. Preiser (BE)

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

19:00 – 21:00  
**Welcome Reception**  
Queen Maxima

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**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)*  
Yangtze 1&2  
Medical Nutrition in Diabetes Mellitus 1  
M. Zanetti (IT)  
Nutritional Support in Diabetes Type I and Type II  
L. Sobotka (CZ)  
Dyslipidemia: Targeting the management of cardiovascular risk factors  
M. León Sanz (ES)  
Prescription of Artificial Nutrition in Patients with Dislipidemia  
M. Ballesteros (ES)

**Educational Session**

08:30 – 10:00  
Meeting nutritional needs of acute care patients  
*Moderators: P. Austin (UK), P. Weijs (NL)*  
King Willem Alexander  
Fasting or feeding before chemotherapy  
R. Caccialanza (IT)  
Micronutrients in parenteral nutrition  
T. Nguyen (NZ)  
Feeding acute pancreatitis patients  
J. Luttikhold (NL)

**Scientific Session**

08:30 – 10:00  
Nutrition, bile acids and metabolic health  
*Moderators: S. Bischoff (DE), R. Skipworth (UK)*  
Mississippi  
New insights in bile acid biology  
F. Kuipers (NL)  
Bile acids and brown adipose tissue  
E. Nascimento (NL)  
Bile acids after bariatric surgery  
N. Abumrad (US)

**Abstract Session**

08:30 – 10:00  
Oral Communications II: Nutrition and Chronic Disease  
*Moderators: T. Harris (US), A. Sala-Vila (ES)*  
Amazon  
OR10 BASELINE CHARACTERISTICS AND CLINICAL RESPONSE TO TEDUGLUTIDE IN PATIENTS WITH SHORT BOWEL SYNDROME BASED ON RESIDUAL BOWEL ANATOMY  
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 DYNAPENIA 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

08:30 – 10:00
Oral Communications III: Nutritional assessment, epidemiology and formulations

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**

**08:30 – 12:30**

**TTT-LLL COURSE**

*Moders: 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

**10:00 – 10:30 Coffee Break**

**Main Session**

**10:30 – 11:15**

**Sir David Cuthbertson Lecture**

*Moders: A. Van Gossum (BE), M. Pirlich (DE)*

- Amino acids and the regulation of protein metabolism
- R. Wolfe (US)

**11:15 – 12:00**

**ESPEN Best Abstracts 2017 & ESPEN Travel Awards**

*Moders: 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
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)

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**
### 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

**Moderators:** King Willem Alexander

**Presenters:**
- J. Penders (NL)
- M. Nieuwdorp (NL)
- K. Venema (NL)

### 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

**Moderators:** Mississippi

**Presenters:**
- F. Cagampang (UK)
- F. Scheer (US)
- P. Soeters (NL)

### 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)

16:00 – 17:30

Educational Session

Paediatric specificities of nutritional assessment

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

K. Gerasimidis (GR)
N. Mehta (US)
L. Remijn (NL)

16:00 – 17:30

Educational Session

Taste and food intake in older adults

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

S. Boesveldt (NL)
G.J. van der Putten (NL)
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)

W. Bernal (UK)
M. Plauth (DE)
R. Meier (CH)
J. Ockenga (DE)

16:00 – 17:30

Educational Session

Late nutritional complications of bariatric surgery

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

E. Montastier (FR)
M. Muscaritoli (IT)
A.M. Beck (DK)

08:30 – 10:00

Scientific Session

Microbiome beyond the gut

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

G. Folkerts (NL)
E. Blaak (NL)
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

08:30 – 10:00

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

The structured procedure of nutrition support: between dream and daily practice
J. Kondrup (DK)

10:00 – 10:30 Coffee Break

10:30 – 11:15

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

12:15 – 13:30 Lunch & Poster Tours

13:30 – 15:30  
**LLL Live Session**  
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

14:00 – 15:30  
**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)

14:00 – 15:30  
**Scientific Session**  
Interactions between nutrition and physical activity  
*Moderators: M. León Sanz (ES), N. Mehta (US)*
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 OVERCONSUMPTION 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 PANCREATEODUODENECTOMY
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 OESOPHAGEOGASTRIC CANCER PATIENTS
J. Isherwood (GB)

15:30 – 16:00 Coffee Break

Member Session
17:30 – 19:00
ESPEN General Assembly
Tuesday 12 September 2017

**Educational Session**

**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**

**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**

**Metabolic consequences of disease co-existence**

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

The critically ill with chronic co-morbity

Wasting: Chronic kidney disease and COPD

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

**Abstract Session**

**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)*
OR62 ASSOCIATION OF BODY MASS INDEX AND OUTCOME IN CHRONIC HEMODIALYSIS PATIENTS REQUIRING INTENSIVE CARE THERAPY
W. Druml (AT)

OR63 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.
I. Kagan (IL)

OR64 FASTING IS THE STRONGEST RISK FACTOR FOR HOSPITAL MORTALITY IN CRITICALLY ILL UNDERWEIGHT PATIENTS
L. V. Viana (BR)

OR65 A RANDOMIZED TRIAL OF SELENIUM SUPPLEMENTATION IN HIGH-RISK CARDIAC SURGERY PATIENTS: RESULTS OF A MULTICENTRE PILOT STUDY
C. Stoppe (DE)

OR66 REGULATION OF POSTNATAL MYONUCLEAR ACCRETION ASSESSED BY A NOVEL IN VITRO MODEL
A. E. M. Kneppers (NL)

OR67 EFFECTS OF THE INFUSION OF INTRAVENOUS FLUIDS ON THE CALORIC AND PROTEIN DEFICITS IN CRITICALLY ILL PATIENTS
J. E. De Aguilar-Nascimento (BR)

**Scientific Session**

**08:30 – 10:00**

**Sensory perception through the course of life**

*Moderators: T. Cederholm (SE), R. Barrazoni (IT)*

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**

*Moderators: N.E.P. Deutz (US), A. Van Gossum (BE)*

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**

*Moderators: J. Kondrup (DK), R. Wolfe (US)*

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