### SATURDAY 4 SEPTEMBER 2010

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<td>09:00 - 13:00</td>
<td><strong>LLL Sessions (See LLL information section)</strong></td>
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<td>13:00 - 14:00</td>
<td><strong>Lunch Break</strong></td>
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<td>14:00 - 18:00</td>
<td><strong>LLL Sessions (See LLL information section)</strong></td>
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### SUNDAY 5 SEPTEMBER 2010

**Special Interest Groups:**

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<td>09:00 - 10:00</td>
<td><strong>Nutrition in Geriatrics</strong> Gallieni 3</td>
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<td>10:00 - 11:00</td>
<td><strong>Cachexia &amp; Anorexia in chronic diseases</strong> Gallieni 3</td>
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<td>11:00 - 12:30</td>
<td><strong>Tracer Methodology Group</strong> Gallieni 3</td>
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<td>12:00 - 13:30</td>
<td><strong>Satellite Symposium: Athena</strong></td>
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<td><strong>ABBOTT Nutrition Health Institute</strong></td>
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<td><strong>Emerging Solutions of an Age-Old Problem: Functional Status to Predict and Nutrition to Prevent Muscle Loss</strong> R.E. Riley (USA)</td>
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<td><strong>Introductions and Objectives</strong> R.E. Riley (USA)</td>
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<td><strong>Linking Declining Functional Status and Muscle Loss: the Evolving Concept of Sarcopenia</strong> A. Cruz-Jentoft (Spain)</td>
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<td><strong>Dietary Protein: Quantity, Quality, and Timing for Optimal Muscle Protein Synthesis in the elderly</strong> D. Paddon-Jones (USA)</td>
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<td><strong>HMB: a Leucine Metabolite to Help Maintain and Recover Lean Body Mass Loss from Aging and Disease</strong> M. Vukovich (USA)</td>
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<td><strong>Questions and Answers</strong></td>
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<td>12:00 - 13:30</td>
<td><strong>Satellite Symposium: Muses</strong></td>
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<td><strong>BAXTER Healthcare</strong></td>
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<td><strong>Goal Directed Nutrition Therapy</strong></td>
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<td><strong>Chairman: G. Zaloga (USA)</strong></td>
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<td><strong>Basic Energy and Protein Metabolism</strong> G. Zaloga (USA)</td>
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<td><strong>Meeting Energy and Protein Requirements of Patient Groups</strong> P. Singer (Israel)</td>
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<td><strong>Practical Aspects of Targeted Nutrient Delivery</strong> T. Felbinger (Germany)</td>
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<td><strong>Questions and Answers</strong></td>
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<td>13:30 - 14:30</td>
<td><strong>Opening Ceremony Apollon</strong></td>
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<td><strong>Moderators: O. Ljungqvist (Sweden), P. Déchelotte (France)</strong> O. Ljungqvist (Sweden)</td>
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<td><strong>Opening of the Congress by the ESPEN Chairman</strong> P. Déchelotte (France)</td>
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<td><strong>Welcome Address of the Congress president</strong></td>
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<td><strong>Special Nice Lecture</strong></td>
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<td><strong>Nutrition for cancer patients: where are we now, where should we go?</strong> X. Hébuterne (France)</td>
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14:30 - 16:00  **Regulation of appetite**  
Moderators: A. Laviano (Italy), C. Pichard (France)  
Gut hormones in the regulation of energy homeostasis  
Modulation of food intake by cytokines  
Neuropeptide auto-antibodies in eating disorders  

14:30 - 16:00  **Epigenetic effects of nutrients**  
Moderators: R. Barazzoni (Italy), J-P. De Bandt (France)  
The proteasome: a locus for nutrient modulation of gene expression?  
Epigenetic strategies for tumour prevention  
Epigenetics and the metabolic syndrome  

14:30 - 16:00  **Basic science in the ICU**  
Moderators: O. Rooyackers (Sweden), J-C. Preiser (Belgium)  
Intracellular mechanism of multi-organ failure  
Lactate as a substrate  
Cytokine modulation by nutrients  

14:30 - 16:00  **Educational session - Specialised nutrition in the elderly**  
Moderators: S.M. Schneider (France), P. Coti-Bertrand (Switzerland)  
Specific metabolic features  
In the acutely stressed  
During rehabilitation  

16:00 - 16:30  **Coffee Break**  

16:30 - 18:00  **The Enteric Neural System (ENS) in digestive control**  
Moderators: A. Van Gossum (Belgium), F. Joly (France)  
Serotonin, inflammation and gut sensing of nutrients  
The enteric Neural System (ENS) in digestive control  
Nutrition modulation of the ENS in Irritable Bowel Syndrome  

16:30 - 18:00  **Profiling nutrition in cancer**  
Moderators: I. Bosaeus (Sweden), P. Senesse (France)  
Metabolic requirements for cell proliferation  
Modification of chemotherapy by nutrition  
Impact of nutritional status on cancer treatment  

16:30 - 18:00  **Chronic hypoxia and COPD**  
Moderators: N.E.P. Deutz (USA), E. Fontaine (France)  
Acute vs. Chronic hypoxia: human metabolic adaptation at high altitude  
Early nutritional intervention during respiratory disease  
Late nutritional intervention in COPD  

16:30 - 18:00  **Educational session - Nutrition in chronic kidney disease**  
Moderators: N. Cano (France), R. Barazzoni (Italy)  
Pathophysiology of protein-energy wasting  
Nutritional management in chronic kidney diseases and after transplantation  
Nutritional support in patients on chronic dialysis
18:00 - 21:00 Musical Event and Welcome Party
Musical Event: Enjoy famous pieces of European repertoire performed by the University Hospital Choir and Orchestra of Rouen (France).
You have musical skills?
Contribute to the event and join on stage to settle "The ephemeral ESPEN choir and orchestra"!

Welcome Reception
Embark for the "Tour de France" of gastronomy!

TIME MONDAY 6 SEPTEMBER 2010 SPEAKERS / ROOMS

Special Interest Groups:

07:30 - 08:30 FELANPE Gallieni 3
07:30 - 08:30 Genes & Nutrition Gallieni 2
08:00 - 10:00 Educational LLL session - Nutritional support in the perioperative period Athena
Moderator: O. Ljungqvist (Sweden)
Response to surgical stress
Enhanced Recovery - principles
Perioperative fluids
Nutrition in the surgical patient
Followed by LLL EXAM, 10:30 - 12:00 Gallieni 2

08:30 - 10:00 Nutrition in short bowel syndrome Apollon
Moderators: M. Pirlich (Germany), P. Crenn (France)
Pathophysiology of short bowel syndrome: new issues
Amino acid metabolism and their potential for treatment
Nutrition support after intestinal transplantation

08:30 - 10:00 Sarcopenic obesity Hermès
Moderators: V. Baracos (Canada), S.M. Schneider (France)
How and when to diagnose sarcopenic obesity?
Lipids in the onset of sarcopenic obesity
Consequences and management of sarcopenic obesity

08:30 - 10:00 Educational session - Dietitians’ session Muses
Moderators: M. van Bokhorst (Netherlands), C. Bouteloup (France)
OP001 A RANDOMISED CONTROLLED TRIAL OF EARLY ENTERAL NUTRITION VERSUS STANDARD MANAGEMENT FOR PATIENTS UNDERGOING MAJOR RESECTION FOR UPPER GASTROINTESTINAL MALIGNANCY- A COMPARISON OF COSTS
R.C. Barlow
OP002 INDIVIDUAL DIETARY COUNSELLING INDISPENSABLE IN PATIENTS WITH HEAD AND NECK CANCER UNDERGOING RADIOTHERAPY
M. van den Berg

OP003 ORAL NUTRITION SUPPLEMENTS (ONS) IN THE COMMUNITY - FOOD FOR THOUGHT
L. E. Mash

OP004 FOOD SENSORY ISSUES IN NUTRITIONAL RISK PATIENTS: A QUESTIONNAIRE STUDY
J.M. Sorensen

OP005 INTEREST OF THE VISUAL ANALOG SCALE (VAS) OF INGESTA FOR THE MALNUTRITION ASSESSMENT IN MEDICAL ONCOLOGY
C. Janiszewski

10:00 - 10:30 Coffee Break - Kindly supported by Abbott Nutrition Health Institute

10:30 - 11:15 Sir David Cuthbertson Lecture
Moderators: O. Ljungqvist (Sweden), Y. Boirie (France)
New and old proteins: clinical implications
K.S. Nair (USA)

11:15 - 12:00 ESPEN Research Fellowships & ESPEN Travel Awards
Best Abstracts 2010
Moderators: Y. Boirie (France), E. Fontaine (France)

OP006 PERIOPERATIVE IMMUNONUTRITION IN LIVER TRANSPLANTATION: RESULTS OF A DOUBLE-BLIND RANDOMIZED CONTROLLED TRIAL
L.D. Plank

OP007 INFLUENCE OF LEUCINE ON PROTEIN METABOLISM AND PHOSPHO-KINASES EXPRESSION IN HUMAN DUODENUM
M. Coëffier

OP008 EXPRESSION OF INFLAMMATORY AND INSULIN SIGNALING GENES IN ADIPOSE TISSUE IN RESPONSE TO ELECTIVE SURGERY
O. Ljungqvist

12:00 - 12:30 Lunch and poster viewing

12:30 - 14:00 Poster visit

13:00 - 15:00 Educational LLL session - Sports and Nutrition
Moderator: K. Melzer (Switzerland)

Muscles
R. Barazzoni (Italy)

Fluids, electrolyte balance, and ergogenic aids
G. Dubnov-Raz (Israel)

Nutritional requirements for physical fitness
L. Genton (Switzerland)

Substrate utilisation: carbohydrate
K. Melzer (Switzerland)

and fat utilisation during rest and physical activity

Followed by LLL EXAM, 15:30 - 17:30

Gallieni 2
Free scientific presentations - Geriatrics

Moderators: T. Cederholm (Sweden), A. Raynaud-Simon (France)

OP009 RELATIVE VALIDITY OF PREDICTIVE EQUATIONS FOR RESTING ENERGY EXPENDITURE IN FRAIL ELDERLY ITALIAN PATIENTS IN HOME ENTERAL NUTRITION
C. Venturini

OP010 MALNUTRITION IS ASSOCIATED WITH AN INCREASED RISK OF FALLS AND IMPAIRED MOBILITY IN ELDERLY PATIENTS IN DUTCH RESIDENTIAL LONG-TERM CARE
J. Neyens

OP011 RELATIONSHIP BETWEEN DYNAPENIA AND CARDIO-RESPIRATORY FUNCTION IN HEALTHY POSTMENOPAUSAL WOMEN: A NOVEL CLINICAL CRITERIA
S. Barbat-Artigas

OP012 HIGH PROTEIN ORAL NUTRITIONAL SUPPLEMENTS REDUCE COMPLICATIONS: A SYSTEMATIC REVIEW AND META-ANALYSIS
A. L. Cawood

OP013 PLASMA 25-OH VITAMIN D CONCENTRATIONS IN RELATION TO NUTRITIONAL STATUS, FUNCTIONAL ABILITY AND SUPPLEMENTATION IN NURSING HOME RESIDENTS
J. Törmä

OP014 SHORT-TERM CALORIE RESTRICTION INDUCES PHENOTYPIC CHANGES IN NOS ISOFORM PROTEIN EXPRESSION AND REDUCES OXIDATIVE STRESS DURING VASCULAR AGING
G. Gortan Cappellari

Free Scientific presentations - Liver and gastrointestinal tract

Moderators: S. Bischoff (Germany), C. Bouteloup (France)

OP015 BREAKFAST IMPROVES COGNITIVE FUNCTIONS IN CIRRHOTIC PATIENTS WITH COGNITIVE IMPAIRMENT
N. Vaisman

OP016 LACK OF ENTERAL NUTRITION INCREASES POSTOPERATIVE INFECTIOUS COMPLICATIONS IN COLON CANCER PATIENTS WITH DECREASED MATURE DENDRITIC CELL NUMBER IN TERMINAL ILEUM
K. Okamoto

OP017 CLINICAL OUTCOME AND IMMUNE RESPONSE OF SURGICAL PATIENTS PREOPERATIVELY INFUSED WITH FISH OIL LIPID EMULSION (FO) - A PROSPECTIVE, DOUBLE-BLIND, RANDOMIZED, CONTROLLED (PRDBC) TRIAL
R.S. Torrinhas

OP018 INFLUENCE OF VAGOTOMY ON GUT ASSOCIATED LYMPHOID TISSUE IN MICE
T. Mitsui
OP019 PATIENT OUTCOMES AFTER STOPPING TEDUGLUTIDE
C. Compher

OP020 PRE-OPERATIVE CARBOHYDRATE SUPPLEMENTATION
IMPROVES FUNCTIONAL ENTEROCYTE METABOLIC MASS
MEASURED BY CITRULLINE IN RATS
J. Luttikhold

14:00 - 15:30 Educational session - Body composition
Moderators: M. Pirlich (Germany), J-C. Desport (France)
Old and new techniques
A. Piccoli (Italy)
Relationship between mass and function
C. Pichard (Switzerland)
How to assess it at the bedside and in a research protocol
A. Rossi (Italy)

14:00 - 15:30 Nutrition Day Special Interest group
Moderators: M. Hiesmayr & K. Schindler

15:30 - 16:00 Coffee Break - Kindly supported by Abbott Nutrition Health Institute

16:00 - 17:30 New roles of vitamin D
Moderators: A. Shenkin (United Kingdom), S. Walrand (France)
Muscle-skeleton interaction of vitamin D
H. Bischoff-Ferrari (Switzerland)
Metabolism and novel functional markers of vitamin D status
K. Cashman (Ireland)
Vitamin D supplementation in the elderly
T. Cederholm (Sweden)

16:00 - 17:30 Enhanced recovery after surgery (ERAS)
Moderators: O. Ljungqvist (Sweden), F. Tamion (France)
An update on evidence and protocols
K. Fearon (UK)
Essential components
D. Lobo (UK)
Implementation in practice
C. Dejong (Netherlands)

16:00 - 17:30 Educational session - Nurses session
Moderator: M. Holst (Denmark), A. Ödlund-Olin (Sweden)

OP021 ADAPTATION OF "SENIORS IN THE COMMUNITY: RISK
EVALUATION FOR EATING AND NUTRITION, VERSION II"
(SCREEn II) FOR USE IN SWEDEN: REPORT ON THE
TRANSLATION PROCESS AND FIELD TEST
A.W. Westergren

OP022 A COMPARISON OF PICC-LINE CATHETERS AND BROVIAC
CATHETER FOR PARENTERAL NUTRITION
D. Barnoud

OP023 A SUPPORTIVE NURSING CARE CLINIC - EFFECTS ON
NUTRITIONAL STATUS AND HEALTH RELATED QUALITY OF
LIFE FOR PATIENTS WITH HEAD AND NECK CANCER
M. Larsson

OP024 POOR CATHETER CARE BUT NOT PARENTERAL NUTRITION
IS THE RISK FACTOR FOR FUNGAEMIA
K. Majewska
Free scientific presentations - Best Late Breaking Abstracts

Moderators: E. Fontaine (France), O. Rooyackers (Sweden)

LB050 PLASMA CITRULLINE KINETICS AND ITS RELATION WITH GLUTAMINE, ARGinine, TNFα AND IL10 IN ICU SEPTIC SHOCK PATIENTS WITH MULTIPLE ORGAN FAILURE
P. Crenn

LB015 LEAN BODY MASS, LEFT VENTRICULAR (LV) MASS AND HEART FUNCTION IN PATIENTS WITH CHRONIC OBSTRUCTIVE LUNG DISEASE
M. Mowe

LB023 SIX MONTHS OF LEUCINE SUPPLEMENTATION DOES NOT AUGMENT MUSCLE MASS AND STRENGTH OR IMPROVE GLYCEMIC CONTROL IN ELDERLY TYPE 2 DIABETES PATIENTS
M. Leenders

LB042 ORAL NUTRITIONAL SUPPORT IN MALNOURISHED ELDERLY DECREASES FUNCTIONAL LIMITATIONS WITH NO EXTRA COSTS
F. Neelemaat

LB049 LOW SERUM SODIUM IS AN INDEPENDENT PREDICTOR FOR DEATH IN CRITICALLY ILL PATIENTS AFTER CARDIOTHORACIC SURGERY
W. Druml

LB025 LONGITUDINAL ASSESSMENT OF PLASMA VITAMIN D STATUS IN PATIENTS WITH CRITICAL ILLNESS
D. C. McMillan

Satellite Symposium:
NESTLE NUTRITION INSTITUTE
Nutrient Needs of the Older Adult
Chairman: C. Sieber (Germany)
Nutrient Needs of the Older Adult: Are they really different?
D. Volkert (Germany)
Vitamin D in the Older Adult: What is needed, What is Safe and Where do I get it?
K. Cashman (Ireland)
Hip Fractures in the Older Adult: Prevalence; Causes, Treatment and the Role of Nutrition
R. Rizzoli (Switzerland)

Satellite Symposium:
FRESENIUS KABI
New Horizons in Clinical Nutrition
Chairman: P. Singer (Israel)
Nutrition in ICU: early goal-directed is the key
M. Berger (Switzerland)
Liver function in Parenteral Nutrition: how to preserve it?
O. Goulet (France)
Perspectives in oncology: tumour growth modulation by nutrients
C. Pichard (Switzerland)
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<td>HAN &amp; Chronic intestinal Failure Working Group</td>
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<td>Clinical Nutrition Editorial Board Meeting</td>
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<td>Free Scientific presentations - Metabolism and Inflammation</td>
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<td>OP025 ASSOCIATION OF GHRELIN LEU72MET POLYMORPHISM WITH SATIETY, GHRELIN PLASMA LEVELS AND TRAITS OF THE METABOLIC SYNDROME</td>
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<td>D. Rubin</td>
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<td>OP026 STANDARDIZED VERSUS INDIVIDUALIZED TOTAL PARENTERAL NUTRITION IN VERY-LOW-BIRTH-WEIGHT INFANTS: A COMPARATIVE STUDY</td>
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<td>G.S. Rozen</td>
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<td>OP027 EFFECT OF HYPERINSULINEMIA ON SELECTED PLASMA AND SUBCUTANEOUS ADIPOKINES DURING ANGIOTENSIN II TYPE 1 RECEPTOR INHIBITION IN PATIENTS WITH IMPAIRED FASTING GLUCOSE</td>
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<td>P. Wohl</td>
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<td>OP028 THE IMPACT OF INSULIN-INDUCED OXIDATIVE STRESS ON INFLAMMATION AND MITOCHONDRIAL OXIDATIVE CAPACITY IS MODULATED BY FREE FATTY ACID AVAILABILITY IN RAT SKELETAL MUSCLE IN VIVO</td>
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<td>R. Barazzoni</td>
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<td>OP029 ENTERAL NUTRITION IN SEVERE ACUTE PANCREATITIS: PREBIOTICS OR NOT?</td>
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<td>OP030 OPTIMAL NUTRITION DECREASES 28 DAY MORTALITY IN MECHANICALLY VENTILATED CRITICALLY ILL, MALE AND FEMALE PATIENTS: A PROSPECTIVE OBSERVATIONAL COHORT STUDY</td>
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<td>P.J. Weijs</td>
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<td>08:30 - 10:00</td>
<td>Free Scientific presentations - Vitamins, antioxidants and minerals</td>
<td>Hermès</td>
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<td>OP31 FREE RADICAL SCAVENGING ACTIVITY OF FULLERENOL ON THE ISCHEMIA-REPERFUSIONAL INTESTINE AFTER SMALL BOWEL TRANSPLANTATION</td>
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<td>OP32 VITAMIN C SUPPLEMENTATIONS IN PATIENTS RECEIVING PERIPHERAL PARENTERAL NUTRITION AFTER GASTRO-INTESTINAL SURGERY</td>
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<td>R. Fukushima</td>
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<td>OP33 BIOAVAILABILITY OF ANTIOXIDANTS VARIES WITH NUTRITIONAL STATUS IN ADOLESCENTS</td>
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OP034 RED BLOOD CELL, NOT PLASMA COPPER CONCENTRATION IS RELATED TO LIVER COPPER CONCENTRATION
J. Logue

OP035 BIOAVAILABILITY OF VITAMIN D2 FROM UVB-IRRADIATED BUTTON MUSHROOMS IN HEALTHY ADULTS DEFICIENT IN SERUM 25-HYDROXYVITAMIN D (25OHD): A RANDOMIZED-CONTROLLED TRIAL
P. Urbain

OP036 TRADITIONAL AND HIV-RELATED FACTORS OF VITAMIN D INSUFFICIENCY IN MELBOURNE, AUSTRALIA
J. Price

08:30 - 10:00 Educational session - From child to adult nutrition
Moderators: A. Forbes (United Kingdom), V. Colomb (France)
Cystic fibrosis
Inflammatory bowel diseases
Inborn errors of metabolism
Athena

08:00 - 10:00 Educational LLL session - Nutritional support in cancer
Moderator: K. Fearon (UK)
Pharmacologic therapy
Benefits and limitations of conventional nutritional support
Cancer anorexia
Mechanisms of wasting in cancer cachexia
Followed by LLL EXAM, 10:30 - 12:30
Apollon

10:00 - 10:30 Coffee Break

10:30 - 11:15 Arvid Wretlind Lecture
Moderators: A. Van Gossum (Belgium), P. Déchelotte (France)
Intestinal failure: from adaptation to transplantation
B. Messing (France)

11:15 - 12:00 Fight against Malnutrition
Moderator: O. Ljungqvist (Sweden)
ESPEN and ENHA Actions for the Fight Against Malnutrition
O. Ljungqvist (Sweden)

12:00 - 12:30 Lunch and poster viewing
12:30 - 14:00  
**Poster visit**

13:00 - 15:00  
**Educational LLL session - Nutritional support in ICU patients**  
*Apollon*

- **Moderator:** P. Singer (Israel)
- **Clinical priorities for solving nutritional problems**  
  I. Grecu (Romania)
- **Promoting homeostasis during nutritional support**  
  M. Hiesmayr (Austria)
- **Barriers to oral, enteral nutrition, parenteral nutrition**  
  J.C. Preiser (Belgium)
- **Specific substrates for artificial nutrition in the ICU**  
  P. Singer (Israel)

*Followed by LLL EXAM, 15:30 - 17:30*

14:00 - 15:30  
**Clinical Nutrition Symposium**  
*Hermès*

- **Moderators:** N.E.P. Deutz (USA), Y. Boirie (France)
- **Soy isoflavone intake increases bone mineral density in the spine of menopausal women: Meta-analysis of randomized controlled trials**  
  P-Y. Wang (China)
- **Effect of selenium supplementation on biochemical markers and outcome in critically ill patients**  
  V. Mishra (United Kingdom)
- **Postoperative complications in gastrointestinal cancer patients: The joint role of the nutritional status and the nutritional support**  
  F. Bozzetti (Italy)
- **Prevalence of home artificial nutrition in Italy in 2005: A survey by the Italian Society for Parenteral and Enteral Nutrition (SINPE)**  
  L. Pironi (Italy)

14:00 - 15:30  
**Free Scientific presentations - Nutritional Assessment**  
*Muses*

- **Moderators:** M. Pirlich (Germany), S.M. Schneider (France)
- **OP037 COMPARISON OF FAT-FREE MASS (FFM) MEASURED BY THREE BIOIMPEDANCE ANALYSIS (BIA) FORMULA WITH DUAL-ENERGY X-RAY ABSORPTIOMETRY (DXA) IN OBESE SUBJECTS**  
  L. Genton
- **OP038 NUTRITIONAL STATUS AND QUALITY OF LIFE IN OUTPATIENTS WITH SYSTEMIC IMMUNOGLOBULIN LIGHT-CHAIN AMYLOIDOSIS (AL) AT DIAGNOSIS**  
  R. Caccialanza
- **OP039 A PREOPERATIVELY LOW FAT-FREE BODY MASS INCREASES THE RISK AT ADVERSE OUTCOME AFTER CARDIAC SURGERY**  
  L.M. Van Venrooij
- **OP040 ‘MUST’ PREDICTS 1-YEAR SURVIVAL IN OUTPATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE**  
  P.F. Collins
- **OP041 SELECTION OF INTESTINAL TRANSPLANTATION CANDIDATES MAY NOT BE BEST SERVED BY CURRENT CRITERIA: A 5 YEAR SINGLE CENTRE COHORT STUDY**  
  A.U. Murugananthan
- **OP042 ADDUCTOR POLLICIS MUSCLE: A VALIDATION STUDY ABOUT ITS USE AS A NUTRITIONAL PARAMETER IN SURGICAL PATIENTS**  
  M.C. Gonzalez
14:00 - 15:30  
**Paediatric nutrition**  
Moderators: C. Pichard (Switzerland), O. Goulet (France)  
Obesity prevention and treatment: one approach for all?  
Y. Manios (Greece)  
Long term effects of high protein in the neonatal period  
D. Darmaun (France)  
Individualised nutritional support for preterm infants  
J. Rigo (Belgium)

15:30 - 16:00  
Coffee Break

16:00 - 17:30  
**Satellite Symposium:**  
**Apollon**  
**NUTRICIA - ADVANCED MEDICAL NUTRITION**  
**Science of strength in older people**  
Chairman: Y. Rolland (France)  
Sarcopenia: A clinical view on increased problems of functional limitation and mobility disability  
Y. Rolland (France)  
Malnutrition: Clinical and economic effects of managing malnutrition  
R. Stratton (UK)  
Dysphagia: Clinical consequences and practical solutions  
R.J. Schulz (Germany)  
Sarcopenia: Modulation of muscle anabolism by dietary protein in elderly  
Y. Boirie (France)

16:00 - 17:30  
**Satellite Symposium:**  
**Muses**  
**B. BRAUN**  
**Clinical Nutrition in a changing World - beyond a gut feeling: controversies or consensus?**  
Chairman: A. Weimann (Germany)  
Clinical Nutrition; challenges and emerging interest  
A. Weimann (Germany)  
Is the Future Now: Advances in parenteral fish oil therapy  
P.C. Calder (UK)  
Hot Topic: Glycemic control and role of Nutrition Therapy  
D. Mesotten (Belgium)

16:00 - 17:30  
**Satellite Symposium:**  
**Hermès**  
**FRESENIUS KABI**  
**Oral Nutrition In Dysphagia - A True Alternative**  
Chairman: O. Ekberg (Sweden)  
Dysphagia - setting the stage  
O. Ekberg (Sweden)  
Approaching the dysphagia patient - a practical guide  
G.W. Ickenstein (Germany)  
Pathophysiology and treatment of oropharyngeal dysphagia - food texture matters  
P. Clavé (Spain)  
Point / Counter-point discussion - oral nutrition versus tube feeding  
J. Regan (Ireland)  
Audience discussion  
G.W. Ickenstein (Germany)  
Closing remarks  
O. Ekberg (Sweden)

17:30 - 19:00  
**ESPEN General Assembly** (for Members only)  
Apollon
### Free Scientific presentations - Cancer

**Moderators:** D. Lobo (United Kingdom), X. Hébuterne (France)

- **OP043** PROTEIN DEGRADATION BY CATHEPSINS IS INVOLVED IN THE OCCURRENCE OF CHEMOTHERAPY-INDUCED INTESTINAL MUCOSITIS IN RATS: POTENTIAL THERAPEUTIC EFFECTS OF CATHEPSIN INHIBITORS
  - M. Coëffier

- **OP044** INSIGHTS ON BODY COMPOSITION IN CANCER
  - P. Ravasco

- **OP045** THE EFFECT OF OMEGA-3 FATTY ACID INFUSION ON MAGNETIC RESONANCE IMAGING BIOMARKERS OF ANGIGENESIS IN COLORECTAL LIVER METASTASES: A RANDOMISED CONTROLLED TRIAL
  - J.A. Stephenson

- **OP046** BODY COMPOSITION ANALYSIS USING COMPUTED TOMOGRAPHY SHOWS LOSS OF MUSCLE AND ADIPOSE TISSUE DURING NEOADJUVANT CHEMOTHERAPY IN PATIENTS WITH GASTRO-OESOPHAGEAL CANCER
  - B.H. Tan

- **OP047** EPA ENRICHED NUTRITIONAL SUPPORT AND FAST TRACK SURGERY FOR ELECTIVE PERIAMPULLARY CARCINOMA
  - A. Uguz

- **OP048** IN VIVO L-ARGININE DEPRIVATION IMPAIRS NATURAL KILLER CELL FUNCTIONS
  - M-C. Farges

### Metabolic tools in nutritional research

**Moderators:** S. Nair (USA), S. Walrand (France)

- Metabolomics and tracers in nutrition research
- From genes to fluxes

- **OP049** THE METABOLIC FATE OF DOUBLY LABELLED LACTOSE-\([13C,15N]\)UREIDE AFTER PRE-DOsing WITH DIFFERENT UREIDES
  - K.D. Wutzke

- **OP050** ORAL 13C-BICARBONATE TRACER TECHNIQUE VERSUS INDIRECT CALORIMETRY FOR MEASUREMENT OF ENERGY EXPENDITURE AT REST AND DURING EXERCISE IN HEALTHY ADULTS: A PROSPECTIVE RANDOMISED VALIDATION STUDY
  - S. Awad

### Fatty liver disease

**Moderators:** F.A. Moore (USA), D. Quilliot (France)

- Molecular mechanisms of fatty liver disease
- Oxidative Stress and Antioxidant Therapy in Alcoholic Liver Disease
- Nutritional approaches to Non Alcoholic Steato-Hepatitis

**SPEAKERS / ROOMS**

**Muses**

- Free Scientific presentations - Cancer

**Hermès**

- Metabolic tools in nutritional research

**Apollon**

- Fatty liver disease
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<tr>
<th>Time</th>
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<td>08:00 - 10:00</td>
<td><strong>LLL Final Exam</strong></td>
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<td>08:30 - 10:00</td>
<td><strong>Educational session - Hyper- and hyponatraemia - serious and iatrogenic problems</strong></td>
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<td><em>Moderators: W. Druml (Austria), C. Chambrier (France)</em></td>
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<td>Hypernatræmia: case</td>
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<td>Hyponatræmia: analysis</td>
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<td>10:00 - 10:30</td>
<td><strong>Lunch Break</strong></td>
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<td>10:30 - 12:00</td>
<td><strong>Nutrients in obesity</strong></td>
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<td><em>Moderators: G. Aithal (United Kingdom), C. Moinard (France)</em></td>
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<td>Mechanism of fructose-induced lipogenesis</td>
<td>L. Tappy (Switzerland)</td>
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<td>Manipulating protein intake</td>
<td>A. Astrup (Denmark)</td>
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<td>Vitamin deficiencies and requirements in bariatric surgery</td>
<td>T. Bohmer (Norway)</td>
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<td>10:30 - 12:00</td>
<td><strong>Food allergy and intolerance</strong></td>
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<td><em>Moderators: S. Bischoff (Germany), S.M. Schneider (France)</em></td>
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<td>Definition and epidemiology of food allergy and intolerance</td>
<td>C. Mills (United Kingdom)</td>
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<td>Recombinant food allergens</td>
<td>I. Swoboda (Austria)</td>
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<td>Probiotics and allergy</td>
<td>E. Isolauri (Finland)</td>
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<td>10:30 - 12:00</td>
<td><strong>Hot topics</strong></td>
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<td><em>Moderators: P. Singer (Israel), S. Neuville (France)</em></td>
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<td>Antioxidants prevent health-promoting effects of physical exercise in humans</td>
<td>M. Ristow (Germany)</td>
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<td>Intra-luminal nutrients differentially modulate inflammatory pathways in the re-perfused gut</td>
<td>F.A. Moore (USA)</td>
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<td>New data on IV glutamine to ICU patients</td>
<td>J. Wernerman (Sweden)</td>
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<td><strong>OP051 THE SIGNET TRIAL - A RANDOMISED CONTROLLED TRIAL OF GLUTAMINE AND/OR SELENIUM SUPPLEMENTED PARENTERAL NUTRITION IN CRITICAL ILLNESS</strong></td>
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<td>W.G. Simpson</td>
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<td>10:30 - 12:00</td>
<td><strong>Educational session - Nutritional support, glucose and diabetes</strong></td>
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<td><em>Moderators: A. Laviano (Italy), M. Holst (Denmark)</em></td>
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<td>Feeding the malnourished diabetic</td>
<td>M. Raucoules-Aimé (France)</td>
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<td>Stress and nutrition-induced hyperglycæmia</td>
<td>J.C. Preiser (Belgium)</td>
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<td>Practical glucose management during nutritional support</td>
<td>K. Vanhonsebrouck (Belgium)</td>
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