08.30 - 10.30
Special interest group - Clinical trials  Room 1.15
Special interest group - Stable isotopes  Room 1.08
Upon invitation only
Special interest group - Genomics and nutrition  Auditorium III
Special interest group - Perioperative nutrition  Auditorium IV

11.00 - 12.30  Pavilion 5 ABC
Satellite Symposium - NUTRICIA
Peri-operative nutrition to support enhanced recovery
Chair: S. Allison (United Kingdom)
■ Challenging the dogma of fasting in peri-operative period  K-W. Jauch (Germany)
■ The benefits of carbohydrate loading in the immediate pre-operative period  O. Ljungqvist (Sweden)
■ The benefit of oral nutritional supplements (ONS) in peri-operative period  T. E. Bowling (United Kingdom)

Auditorium II
Satellite Symposium - NESTLÉ
Whey protein: fast, efficient and multifaceted
Moderator: H. Sauerwein (Netherlands)
■ Whey protein: a fast protein with anabolic effect in the elderly  Y. Boirie (France)
■ Whey protein: antioxidant properties in disease management  P. Stehle (Germany)
■ Whey protein and hormonal regulation  P. Tessari (Italy)

12.30 - 13.30  Lunch

13.30 - 15.00  Auditorium I
Opening Ceremony
M. Camilo (Portugal), Congress President
C. Pichard (Switzerland), ESPEN Chairman
Key note address
Chair: M. Camilo (Portugal)
Co-Chair: C. Pichard (Switzerland)
■ Nutrition in Hospitals: the Council of Europe Recommendations  J. Kondrup (Denmark)
Opening Lecture
■ Food allergy: the new deal  A. Coutinho (Portugal)

15.15 - 16.45  Pavilion 5 ABC
Track 1: Enteral nutrition and gut function
Chair: S. N. Meydani (USA)
Co-Chair: I. Claro (Portugal)
■ Starvation, gut permeability and bacterial translocation  J. MacFie (United Kingdom)
■ Feeding the patient/feeding the gut  P. Soeters (Netherlands)
Pavillon 5 ABC (continued)
The following original communications will also be included as short oral presentations:

■ A comparison of changes in superior mesenteric artery blood flow during enteral and parenteral nutrition  
  A. Suppiah (United Kingdom)

■ Intestine motor abnormalities: a cause for enteral nutrition intolerance in critically ill patients with shock?  
  A.-M. Dive (Belgium)

Auditorium I
Nutrition in critically ill patients
Chair: A. Rego (Portugal)
Co-Chair: P. Singer (Israel)

■ Role of PARP activation: implications for treatment  
  C. Szabo (Hungary)

■ Depletion of muscle GSH in ICU patients  
  J. Wernerman (Sweden)

The following original communications will also be included as short oral presentations:

■ Alanyl-glutamine dipeptide-supplemented parenteral nutrition decreases nosocomial infection in SICU patients: differential responses after pancreatic versus non-pancreatic surgery  
  T. R. Ziegler (USA)

■ Tight calorie balance control prevents from renal failure in critically ill patients  
  P. Singer (Israel)

Auditorium II
Working group
Report of the Consensus Conference
Chair: C. Pichard (Switzerland)
Co-Chair: M. Plauth (Germany)

■ Preliminary report  
  H. Lochs (Germany)

Auditorium VIII
Oral Presentations
Basic and Clinical
Chair: F. Hammarqvist (Sweden)
Co-Chair: J.-C. Preiser (Belgium)

■ Is it valid to estimate total skeletal muscle protein turnover from data obtained in a single muscle?  
  B. Mittendorfer (USA)

■ Type 2 Diabetes (T2DM) is characterized by diminished anabolic effects of essential amino acids (EAA) on muscle protein synthesis (MPS) and abolished anabolic sensing and signaling  
  D. J. R. Cuthbertson (United Kingdom)

■ The metabolic demand for cysteine is greater during parenteral (IV) than enteral (IG) feeding in the neonatal piglet  
  A. K. Shoveller (Canada)

■ The effect of ischemia and reperfusion on human muscle mitochondria  
  K. Fredriksson (Sweden)

■ Polymorphism in LT- protein and body mass index influence the lipid lowering properties of fish oil in healthy men  
  R. F. Grimble (United Kingdom)

■ Enhanced non-splanchnic protein breakdown reduction after feeding in patients with chronic obstructive pulmonary disease (COPD)  
  M. P. K. J. Engelen (Netherlands)

■ Are tissue levels of thiamine in rats affected by consumption of calories derived from glucose?  
  D. Harada (Japan)
16.45 - 17.15
Coffee Break

17.15 - 18.45
Pavillon 5 ABC
Key papers in the field of clinical nutrition
Chair: M. Plauth (Germany)
Co-Chair: R. Varela (Portugal)
- Nutritionist
- Nurse
- Pharmacist
- Physician

Auditorium I
Insights in oxidative stress
Chair: B. Winkhofer Roob (Austria)
Co-Chair: J.-C. Preiser (Belgium)
- Pro-oxidants, anti-oxidants and the biology of ageing
- Mitochondrial function and oxidative stress
The following original communications will also be included as short oral presentations:
- Differential effects of n-3 versus n-6 PUFAs and tocopherols versus carotenoids on LDL oxidizability in 300 healthy male volunteers from France, Spain and Austria
- Green tea polyphenols prevent chemotherapy induced oxidative stress in the small intestine of mice

Auditorium II
Track 1: Enteral nutrition and mucosal immunity
Chair: J. MacFie (United Kingdom)
Co-Chair: A. Van Gossum (Belgium)
- MALT: structure, function and nutritional modulation
- Nutrients: lymphocytes, cytokines and patient outcomes
The following original communications will also be included as short oral presentations:
- Concomitant glutamine infusion recovers 5FU-induced changes in gut mucosal immunity
- Effect of the administration of fermentable and non-fermentable dietary fibre on intestinal bacterial translocation in ascitic cirrhotic rats

Auditorium VIII
ESPEN-AGA Symposium
Chair: O. Ljungqvist (Sweden)
Co-Chair: S. O’Keefe (USA)
- Gut-brain interactions in manipulation of food intake
- Gut flora and luminal nutrition: effects on the host epithelium
- The integration of transplantation and home parenteral nutrition in the management of permanent intestinal failure

18.45 - 21.00
Lisbon Congress Centre
Welcome Party (free admission to all participants)
08.00 - 09.00

Auditorium II

Life long learning programme - A European Leonardo Da Vinci educational project
Chair: C. Pichard (Switzerland)
Co-Chair: M. Plauth (Germany)
- Introduction
- Programme presentation
- ICU module

Chair:
Y. Carpentier (Belgium)
R. Komsa-Penkova (Bulgaria)
K. Kovacheva (Bulgaria)
J. C. Preiser (Belgium)

09.00 - 10.30

Pavillon 5 ABC

Nutrition and cardiovascular disease
Chair: A. Macchia (Italy)
Co-Chair: A. Sousa Guerreiro (Portugal)
- Olive oil and hyperlipidemia
- The wine factor: how protective is it?

The following original communications will also be included as short oral presentations:
- Vitamin E biokinetics in healthy 20 to 75 year-old non-smokers
- Dietary supplementation with selected nutrients decreases cardiovascular risk in the secondary prevention of myocardial infarction. A practical approach using an enriched functional food containing n-3 fatty acids, oleic acid and vitamins

Auditorium I

Track 2: Ageing and nutrition
Chair: G. Biolo (Italy)
Co-Chair: P. Moura Santos (Portugal)
- Sarcopenia in the elderly: Is it an inflammatory process?
- Exercise to counteract muscle wasting in the elderly

The following original communications will also be included as short oral presentations:
- Impact of recreational activity on body composition in elderly subjects
- The inflammatory response to DT-polio-typhim vaccination is altered in elderly
09.00 - 10.30 Auditorium II
Nature and nurture in liver disease: whose guilty is it?
Chair: M. Plauth (Germany)
Co-Chair: C. Rodrigues (Portugal)
- Alcoholic liver disease: alcohol or genes H. K. Seitz (Germany)
- Non alcoholic fatty liver - iron metabolism H. Cortez Pinto (Portugal)

The following original communications will also be included as short oral presentations:
- Circulating adiponectin in liver cirrhosis: effect of fatty acids and glucose on arterial, periphereal venous and mesenterial levels S. S. Müller (Germany)
- Absorption and transport of dietary long-chain fatty acids (LCFA) in cirrhosis. A stable isotope-labelled substrate tracing study E. Cabré (Spain)

10.30 - 11.00 Coffee Break
11.00 - 11.45 Auditorium I
Sir David Cuthbertson Lecture
Chair: O. Ljungqvist (Sweden)
Co-Chair: A. Sousa Guerreiro (Portugal)
- Optimal protein: is optimal optimal or is optimal better? H. Sauerwein (Netherlands)

11.45 - 12.30 Auditorium I
Research Fellows Symposium 1
Chair: N. E. P. Deutz (Netherlands)
Co-Chair: M. Cravo (Portugal)
- The role of free fatty acids in the pleiotrophic effects of thiazolidinediones M. J. M. Serlie (Netherlands)
- Metabolic adaptation to caloric restriction in aging R. Barazzoni (Italy)
- Lack of post-prandial inhibition of skeletal muscle proteolysis D. Attalix (France)

12.30 - 13.00 Lunch and poster viewing
13.00 - 14.30 Guided poster session
14.45 - 16.15 Pavillon 5 ABC

Nutrition and AIDS
Chair: J.-P. Thissen (Belgium)
Co-Chair: P. Moura Santos (Portugal)

- Metabolic changes observed in HIV-infected patients under the era HAART
- How relevant is nutrition?

J.-C. Melchior (France)
C. Jonkers (Netherlands)

The following original communications will also be included as short oral presentations:
- Resting energy expenditure (REE) in HIV/AIDS compared with healthy controls: A meta-analysis
- Tailored dietary advice and food fortification in patients with chronic obstructive pulmonary disease (COPD)

M. Batterham (Australia)
C. E. Weekes (United Kingdom)

Auditorium I

Nutrients and heart disease prevention
Is there enough evidence?
Chair: A. Gil (Spain)
Co-Chair: P. Marques Vidal (Portugal)

- Omega 3 fatty acids and risk of sudden death
- B vitamins, homocysteine and vascular disease: myth or reality?

A. Macchia (Italy)
J. Scott (Ireland)

The following original communications will also be included as short oral presentations:
- Calorie restriction improves endothelial dysfunction in vascular aging
- Effects of fish oil supplementation on ability of monocytes to invoke a pro-inflammatory response in endothelial cells

M. Zanetti (Italy)
R. F. Grimble (United Kingdom)

Auditorium II

Track 2: Ageing and nutrition
Chair: E. Rock (France)
Co-Chair: S. Schneider (France)

- Effect of nutrients on bone mass
- Micronutrients and cognitive behaviour

M. Heer (Germany)
I. Rosenberg (USA)

The following original communications will also be included as short oral presentations:
- Nutritional state and oral health in patients with osteoporosis
- Effects of oral supplementation with 13-cis retinoic acid on leukocyte function: study in adult and old healthy subjects response in endothelial cells

T. Schuetz (Germany)
R. Minet-Quinard (France)

Auditorium VIII

ESPEN-ESPGHAN Symposium
TH1/TH2 balance during food intolerance
Chair: B. Koletzko (Germany)
Co-Chair: M. Santos Rosa (Portugal)

- Nutrients as allergens
- Hazards of dietary management in food intolerance: celiac disease
- Cystic fibrosis reaching adulthood

S. Kolacek (Croatia)
E. Arranz (Spain)
C. Barreto (Portugal)
PROGRAMME DAY BY DAY
SUNDAY, SEPTEMBER 12TH, 2004

16.15 - 16.45
Coffee Break

16.45 - 18.15
Pavillon 5 ABC
Pharmacists’ Session
Specific nutrients in clinical practice
Chair: R. Radziwill (Germany)
Co-Chair: R. Lourenco (Portugal)
- Pre, pro and symbiotics in enteral nutrition
  A. Sousa Guerreiro (Portugal)
- Specialised formulas for enteral and parenteral nutrition -
  a clinical reality or marketing exercise
  B. McElroy (United Kingdom)
Pharmacist business meeting following session

Auditorium I
Special Interest Group - Clinical nutrition intervention
trials towards optimal practice
Chair: J. MacFie (United Kingdom)
Co-Chair: P. Martins (Portugal)
- Clinical trials design
  F. Bozzetti (Italy)
- Outcome establishment
  K. Fearon (United Kingdom)
- Analysis of multiple outcome variables
  M. Elia (United Kingdom)

Auditorium II
Oral Presentations
Basic
Chair: P. Calder (United Kingdom)
Co-Chair: N.E.P. Deutz (Netherlands)
- Infusion of labeled 2-15N-glutamine and alanyl-2-15N-glutamine
  by enteral or parenteral route to determine arginine production
  in mice undergoing surgery
  P. G. Boelens (Netherlands)
- Small intestinal inflammation reduces food intake via a
  CD4 T-lymphocyte/ IL4 receptor dependent pathway in mice
  J. McLaughlin (United Kingdom)
- Threonine utilization in the gut during sepsis
  M. Faure (Switzerland)
- Suppression of human pancreatic carcinoma cell growth and
  invasion by eicosapentaenoic acid
  T. Shiroti (Japan)
- Citrulline increases arginine pools and restores nitrogen balance
  after massive intestinal resection
  S. Osowska (France)
- Effect of curcumin on antioxidative status of myelomonocytic
  U937 cells
  E.-M. Strasser (Austria)
- Epsilon germ-line and IL-4 transcripts are expressed in human
  intestinal mucosa and enhanced in patients with food allerg
  M. Coëffier (France)

Auditorium VIII
Dietitians’ Session
Long term home TPN
Chair: A. Van Gossum (Belgium)
Co-Chair: Carla Rodrigues (Portugal)
- Metabolic bone disease
  G. Rozen (Israel)
- Suitable fat emulsions
  B. Messing (France)
Business meeting following session
Pavillon 5 ABC
Satellite Symposium - NOVARTIS
Dysphagia, food and nutrition: from clinical evidence to dietary adaptation
Chair: M. Camilo (Portugal)
Co-Chair: A. Schindler (Italy)
- Introduction: Dysphagia on the Council of Europe’s Agenda
  M. Camilo (Portugal)
- Are we really aware of the burden of dysphagia?
  O. Ekberg (Sweden)
- Managing dysphagia: from practical to scientific approach
  P. Clavé (Spain)
- Nutrition and dysphagia: from tube feeding to oral nutrition
  S. Jones (United Kingdom)

Auditorium I
Satellite Symposium - FRESENIUS KABI
New lipid emulsions in parenteral nutrition
Chair: Dan L. Waitzerg (Brazil)
- Fatty acid profile of modern lipid emulsions - Scientific considerations for creating the ideal composition
  R. F. Grimble (United Kingdom)
- Benefit of \(-3\) fatty acids in parenteral nutrition
  T. Koch (Germany)
- A balanced lipid emulsion - new concept in parenteral nutrition
  H. Grimm (Germany)
- Panel discussion

Auditorium II
Satellite Symposium - BAXTER
PN support in the critical care setting: what’s new?
Chair: X. Leverve (France)
- Hyperglycemia in ICU patients - what is the impact on the nutritional strategy?
  G. Van Den Berghe (Belgium)
- What is the best protein calorie ratio for ICU patients?
  P. Singer (Israel)
- Standardized TPN in critically ill patients - fact or fantasy?
  G. de Lorenzo (Spain)
09.00 - 10.30  Pavillon 5 ABC
Water and electrolytes
Chair: S. Allison (United Kingdom)
Co-Chair: R. Lourenço (Portugal)
- Hyperhydration and hypoalbuminemia. How to proceed? A. Sigtes-Sierra (Spain)
- Hyperglycemia management G. Van Den Berghe (Belgium)
- Drug-induced fluid and electrolyte imbalances R. Lourenço (Portugal)

Auditorium I
Arginine just an immunomodulator?
Session sponsored by NOVARTIS
Chair: P. Calder (United Kingdom)
Co-Chair: R. Grimble (United Kingdom)
- Welcome and Introduction P. Calder (United Kingdom)
- The role of arginine in the immune system J. Ochoa (USA)
- Nitric oxide production: a good or a bad phenomenon? N.E.P. Deutz (Netherlands)
- Immuno-enhancing diets in surgical and ICU patients R. Martindale (USA)
- Discussion P. Calder (United Kingdom)

Auditorium II
Track 2: Ageing and nutrition
Chair: C. Sceppa (USA)
Co-Chair: I. Claro (Portugal)
- Nutrition and risk factors for Alzheimers disease M. Breteler (Netherlands)
- Nutrition and immobility G. Biolo (Italy)

The following original communications will also be included as short oral presentations:
- Adaptation of Buzby’s Nutritional Risk Index (NRI) to elderly patients: the Geriatric Nutritional Risk Index (GNRI) O. Bouillanne (France)
- Inflammatory gene expression changes by omega-3 fatty acids in patients with Alzheimer’s disease I. Vedin (Sweden)

Auditorium VIII
Global overeating - a novel epidemic
Chair: S. Shikora (USA)
Co-Chair: H. Cortez-Pinto (Portugal)
- A pro-inflammatory condition? F. Lindgärde (Sweden)
- Leptin, ghrelin, and other peripheral signals of energy balance: a role in obesity treatment and prevention? E. Saltzman (USA)

The following original communications will also be included as short oral presentations:
- Ghrelin regulates mitochondrial-lipid metabolism gene expression favoring triglyceride deposition in liver but not in skeletal muscle R. Barazzoni (Italy)
- Assessment of the caloric expenditure of mechanically ventilated obese patients: comparison of indirect calorimetry with formulae V. G. F. Alves (Brazil)
## programme day by day

**Monday, September 13th, 2004**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>10.30 - 11.00</td>
<td><strong>Coffee Break</strong></td>
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| 11.00 - 11.45 | **Auditorium I**  
Arvin Wretlind Lecture  
*Chair: S. Allison (United Kingdom)*  
*Co-Chair: M. Cravo (Portugal)*  
- Nutritional Sciences: old knowledge...new concepts?  
  *M. Gassull (Spain)* |
| 11.45 - 12.30 | **Auditorium I**  
Research Fellows Symposium 2  
*Chair: N. E. P. Deutz (Netherlands)*  
*Co-Chair: M. Cravo (Portugal)*  
- Arginine metabolism in cancer  
  *Y. Vissers (Netherlands)*  
- Cerebral handling of externally provided glutamine  
  *A. Berg (Sweden)*  
- Intestinal mediators of energy homeostasis: influence of enteral and parenteral nutrition  
  *S. S. Müller (Germany)*  
- Taurine flux in patients with short bowel syndrome on taurine free total parenteral nutrition  
  *A. Badran (France)* |
| 12.30 - 13.00 | **Lunch and poster viewing**                                                                     |
| 13.00 - 14.30 | **Guided poster session**                                                                        |
| 14.45 - 16.15 | **Pavillon 5 ABC**  
Nurses’ session  
Pressure ulcers  
*Chair: A. Odlund Olin (Sweden)*  
*Co-Chair: K. Furtado (Portugal)*  
- The problem and how to avoid it  
  *C. Lindholm (Sweden)*  
- Is there a role for nutrition?  
  *M. Clark (United Kingdom)*  
  Business meeting following session  
*Auditorium I*  
ESPEN - ESICM Symposium  
Hot topics in ICU Nutrition  
*Chair: F. Hammarqvist (Sweden)*  
*Co-Chair: I. Miranda (Portugal)*  
- Nutritional support of metabolically unstable patients  
  tbc  
- The risks of enteral nutrition in ICU patients  
  *R. Griffiths (United Kingdom)*  
- Current status of anti-oxidant supplementation  
  *J. C. Preiser (Belgium)* |
MONDAY, SEPTEMBER 13th, 2004

14.45 - 16.15 Auditorium II

Nutrition and epigenetics
Chair: R. F. Grimble (United Kingdom)
Co-Chair: M. Cravo (Portugal)
- Targeting apoptosis in human diseases  Cecilia Rodrigues (Portugal)
- Cancer, host polymorphisms and individualized nutrition  M. Barber (United Kingdom)

The following original communications will also be included as short oral presentations:
- Polymorphism of APC gene at codon 1822 modifies susceptibility for colorectal cancer (CRC) according to fat and calcium intake  C. Sousa Guerreiro (Portugal)
- Low grade inflammatory stress and polymorphisms in IL-6 and TNF-α genes modulate the effects of fish oil supplementation on TNF-α production by PBMCs of healthy men  R. F. Grimble (United Kingdom)

16.15 - 16.30 Coffee Break

16.30 - 18.00 Auditorium II

ESPEN General Assembly

18.30 - 20.00 Auditorium III/IV

Satellite Symposium - ABBOTT
Patient Centered Outcomes: Does Nutrition Make a Difference in Cancer?
- Welcome and Introduction  K. Fearon (United Kingdom)
- The Importance of Nutrition as a Patient Centered Outcome  M. Dahele (United Kingdom)
- Physical Activity as a Patient Centered Outcome and Its Potential Modulation by Nutrition  J. Bauer (Australia)
- Nutrition Intervention Improves Outcomes in Patient Undergoing Chemotherapy  All speakers plus A. Voss (USA)
- Questions and Answers/Panel Discussion  K. Fearon (United Kingdom)
- Concluding Remarks  All speakers plus A. Voss (USA)
Pavillon 5 ABC

Case based session
Clinical nutrition: the science and the practice
Chair: P. Howard (United Kingdom)
Co-Chair: L. Kent Smith (Portugal)
  - Nutritional approach of post treatment complications in a patient with a neuroblastoma - an interactive clinical case study
    L. Santos, S. Cabral, F. Braga, A. Almeida (Portugal)

Auditorium I

Parenteral nutrition in XXIst century
Chair: Y. Carpentier (Belgium)
Co-Chair: R. Lourenço (Portugal)
  - Dipeptides: more than sources of aminoacids?
    P. Stehle (Germany)
  - Lipid emulsions: a multiple choice question
    P. Calder (United Kingdom)
  - Hyperglycemia in ICU: the role of parenteral nutrition
    X. Leverve (France)

Auditorium II

Weight management by changing diet composition
Chair: N.E.P. Deutz (Netherlands)
Co-Chair: J. P. Thissen (Belgium)
  - Long-term weight management: should we select carbohydrates, fats or proteins
    W. Saris (Netherlands)
  - Treatment of obesity
    S. Rossner (Sweden)
  The following original communications will also be included as short oral presentations:
  - Effect of exercise training on plasma adipocytokines and their gene expression in adipose tissue in obese women
    V. Stich (Czech Republic)
  - Risk factors related to weaker response to obesity management among children
    M. Dabbas-Tyan (France)

Auditorium III/IV

Oral Presentations
Clinical
Chair: P. Soeters (Netherlands)
Co-Chair: G. Biolo (Italy)
  - Insulin deficiency impairs glutathione metabolism
    D. Darmoun (France)
  - Poly-unsaturated fatty acids improve exercise capacity in chronic obstructive pulmonary disease
    R. Broekhuizen (Netherlands)
  - Phytosterols in Lipid Emulsions - Potentially Dangerous Contaminants?
    Z. Zadak (Czech Republic)
  - Effects of enteral arginine on whole-body and duodenal protein metabolism in humans
    S. Claeyssens (France)
  - Postoperative changes in endogenous glucose release are related to changes in whole-body net protein breakdown
    M. Soop (Sweden)
  - The Impact of Glutamine Dipeptide on Outcome of Surgical Patients: Systematic Review of Randomized Controlled Trials (RCT) from Europe and Asia
    M. Z. Jiang (China)
10.30 - 11.00
Coffee Break

11.00 - 12.30
Pavillon 5 ABC

Nutrition and elective surgery
Early re-feeding after surgery
Chair: O. Ljungqvist (Sweden)
Co-Chair: A. Oliveira (Portugal)
- Current practice in Northern Europe - results of national survey in 5 countries
  K. Lassen (Norway)
- Enhancing recovery after surgery - an evidence based protocol
  K. Fearon (United Kingdom)
- Results from implementing an ERAS protocol in clinical practice
  C. De Jong (Netherlands)
- Compliance with a newly introduced treatment protocol - hurdles in changing practice
  J. Maessen (Netherlands)

Auditorium I

Key issues of malnutrition in cancer: the therapeutical approach
Session sponsored by NOVARTIS
Chair: P. Ravasco (Portugal)
Co-Chair: M. Muscaritoli (Italy)
- Introduction
  P. Ravasco (Portugal)
- European recommendations on food and nutrition: implications for oncologic care
  C. Pichard (Switzerland)
- Cancer cachexia: what can we learn from the mechanisms?
  M. Barber (United Kingdom)
- Impact of surgery in the cancer patient
  R. Martindale (USA)

Auditorium II

ESPEN - ASPEN Symposium
Selected topics in obesity
Chair: P. Marques Vidal (Portugal)
Co-Chair: S. Shikora (USA)
- The global epidemic of obesity
  G. L. Jensen (USA)
- Changes in total and resting energy expenditure with gastric bypass for extreme obesity
  E. Saltzman (USA)
- Bariatric surgery for the treatment of extreme obesity: What is the state of the art?
  S. Shikora (USA)

Auditorium III/IV

Report from ESPEN working group
Chair: M. Gassull (Spain)
Co-Chair: A. Guerra (Portugal)
- ESPEN recommendations on fibres
  L. Kent-Smith (Portugal)
  & R. Meier (Switzerland)
- TPN Pediatrics guidelines
  B. Koletzko (Germany)