SATURDAY, SEPTEMBER 20TH, 2003

20.00 - 21.00 Palais des Festivals et des Congrès, Terrace, 6th floor
Welcome Reception

SUNDAY, SEPTEMBER 21ST, 2003

08.00 - 10.30 Auditorium K
The new ESPEN Special Interest Group on “Multicentre Trials in Clinical Nutrition”
Chair: S. Allison, United Kingdom
Co-Chair: L. Gianotti, Italy
- Why a new special interest group. The mission. The background of the Italian Society of Parenteral and Enteral Nutrition
- Structure of the group:
  Presenter: L. Pironi, Italy
  Discussant: M. Gassull, Spain
  • Tasks
  • Composition
  • Consulting
  • Logistic and financial support
- Possible and potential trials:
  Presenter: M. Braga, Italy
  Discussant: P. Dechelotte, France
  • Rules and criteria to submit a trial proposal
  • Board of reviewers
  • First proposal
  • Topic suggestions
- The centre network:
  Presenter: D. Radrizzani, Italy
  Discussant: A. Schols, Netherlands
  • Criteria to select centres
  • How to become part of the network
  • Centre to centre communication and exchange
- Successful multicentre trials
  Presenters: F. Bozzetti, Italy
  Discussant: K. Fearon, United Kingdom
  G. Biolo, Italy

10.00 - 11.30 Room Esterel
Satellite Symposium Health@tech
Indirect calorimetry - A tribute to the late DH Elwyn and S Bursztein
Chair: Y. Carpentier, Belgium
Co-Chair: P. Singer, Israel
- Historical aspects
- Cellular energy metabolism
- Indirect calorimetry in the ICU
- Energy expenditure measurements in the out patient setting
- J. Kinney, USA
- X. Leverve, France
- P. Singer, Israel
- J. Mault, USA
10.00 - 11.30 Auditorium A
Satellite Symposium iMDsoft
Computers in nutrition
Chair: R. Chiolero, Switzerland
Co-Chair: M. Berger, Switzerland
- Added value of bedside computers in the critically ill patient
- Bedside computers to improve glycemic control
- Computerised energy balance during nutritional support
- Bedside computers to improve quality control during nutritional support

11.30 Opening Exhibition Area – Lunch
Debussy Theatre

12.15 - 12.45 Opening ceremony
Opening ceremony
Chair: C. Pichard, Switzerland
Co-Chair: P. Singer, Israel

12.45 - 13.15 Introductory lecture
Introductory lecture
Chair: Y. Berner, Israel
Co-Chair: A. Shenkin, United Kingdom
- Old stagers turn new “agers”

13.15 - 13.45 Cannes - Israel special lecture
Cannes - Israel special lecture
War, plague and famine: a devastating trio throughout history
Chair: E. Dolev, Israel

14.00 - 15.30 Track: Protein wasting in chronic Disease
Track: Protein wasting in chronic Disease
Part I: Mechanism of protein wasting in different diseases
Chair: G. Biolo, Italy
Co-Chair: F. Hammarqvist, Sweden
- Cardiac disease
- Pulmonary disease
- Aging

The following Original Communications will also be included as short oral presentations:
- Abstract N° 091-O - Inactivity impairs amino acid-induced protein anabolism
  Chair: B. Ciocchi, Italy
- Abstract N° 092-O - Stimulated muscle protein metabolism during early endotoxemia in mice is mediated by NOS-3.
  Chair: Y. Luiking, Netherlands

Room Esterel

From data to health policy
Chair: S. Schwartz, Spain
Co-Chair: J. Kondrup, Denmark
- Impact of government in nutrition epidemiology for nutrition and health policy
- Malnutrition and Poverty
- D. Nitsan Kaluski, Israel
- I. Mustafa, Indonesia
The following Original Communications will also be included as short oral presentations:

- **Abstract N° 346-O** - Subjective global assessment and malnutrition advisory group tool for malnutrition screening: which is better for developing countries?  
  - M. Mallath, India

- **Abstract N° 347-O** - Influence of social state on the prevalence of malnutrition in hospitalized patients  
  - T. Schuetz, Germany

- Defining the optimal protein intake - science as politics
  - P. Stehle, Germany

### 14.00 - 15.30

**Auditorium A**

**Nutrition and the brain: can we interfere?**

**Chair:**
- C. Pichard, Switzerland

**Co-Chair:**
- P. Soeters, Netherlands

- **Abstract N° 346-O**
- Subjective global assessment and M. Mallath, India  
  - M. Mallath, India

- **Abstract N° 347-O**
- Influence of social state on the prevalence of malnutrition in hospitalized patients  
  - T. Schuetz, Germany

- Defining the optimal protein intake - science as politics
  - P. Stehle, Germany

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**Auditorium K**

**Oral presentation I (clinical)**

**Chair:**
- M. Berger, Switzerland
- E. Dolev, Israel

**Co-Chair:**
- M. Goto, Japan

- **Abstract N° 281-O**
  - Early results from instituting an enhanced recovery program after colorectal surgery at two different surgical institutions in the EU  
  - J. Nygren, Sweden

- **Abstract N° 282-O**
  - Metabolic effects of postoperative enteral nutrition in an enhanced-recovery protocol after colorectal surgery  
  - M. Soop, Sweden

- **Abstract N° 283-O**
  - Preoperative carbohydrates reduce postoperative nausea and vomiting after elective laparoscopic cholecystectomy  
  - J. Hausel, Sweden

- **Abstract N° 189-O**
  - Nutricia preop, a carbohydrate rich clear fluid, reduces ischemia-reperfusion induced damage to the intestinal wall  
  - M. Van Middelaar-Voskuilen, Netherlands

- **Abstract N° 348-O**
  - Association of undernutrition with mortality, re-admission and length of stay in a group of 6242 patients  
  - B. González, Spain

- **Abstract N° 121-O**
  - Sodium deficiency during enteral nutrition for critically ill patients  
  - M. Goto, Japan

- **Abstract N° 378-O**
  - Nutritional supplementation with a n-3 fatty acids, oleic acid and folic acid enriched milk: beneficial effects on lipid profile in free-living peripheral vascular disease patients  
  - J. Carrero, Spain

- **Abstract N° 188-O**
  - Impact of Infliximab on weight regulation and lipid metabolism: immuno-neutralization of TNF alpha induces leptinemia in Crohn’s disease  
  - A. Van Gossum, Belgium

- **Abstract N° 284-O**
  - Recombinant human growth hormone effectively treats aids wasting in haart patients  
  - E. Svanberg, Switzerland

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### 15.30 - 16.00

**Coffee/Tea break**
### Debussy Theatre

**Track: Protein wasting in chronic disease**
*Supported by a grant from Novartis Medical Nutrition*

Part II: Counter measures to chronic wasting

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<td>N. E. P. Deutz, Netherlands</td>
<td>E. Volpi, USA</td>
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- Exercise treatment

The following Original Communications will also be included as short oral presentations:

- **Abstract N° 093-O** - Amino acid stimulation of initiation in translation of skeletal muscle protein biosynthesis  
  - B.-M. Iresjö, Sweden

- **Abstract N° 094-O** - Measurement of amino acid appearance and disappearance  
  - V. Nehra, USA

- Insulin as an anti-inflammatory treatment in wasting
- Pharmacological and nutritional treatment  
  - G. Paolisso, Italy  
  - R. R. Wolfe, USA

### Room Esterel

Dietician’s symposium: Nutrition throughout the woman life cycle

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<td>M. E. Assis Camilo, Portugal</td>
<td>C. Jonkers, Netherlands</td>
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- Nutrition and the menopause
- An update in the nutritional management of gestational diabetes
- Prevention in osteoporosis: a pediatric approach  
  - G. Bussell, United Kingdom  
  - G. Frost, United Kingdom  
  - G. Rozen, Israel

### Auditorium A

**Clinical Practice: Nurse Session**

Case study: Home parenteral nutrition in children

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<td>O. Goulet, France</td>
<td>A. Odlund Olin, Sweden</td>
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- 300 children on HPN
- Quality of life in children on HPN
- Nursing aspects  
  - V. Colomb, France  
  - D. Guimber, France  
  - G. I. Lazonby, United Kingdom

### Auditorium K

**Pharmacist session**

Amino Acids

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<td>R. Radziwill, Germany</td>
<td>T. Gruenewald, Israel</td>
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- Immuno nutrition
- Evolution of different amino acids solutions: present and future concepts
- Branched chain amino acids in hepatic encephalopathy: a critical analysis  
  - P. Stehle, Germany  
  - R. Lourenco, Portugal  
  - B. Als-Nielsen, Denmark
The following Original Communications will also be included as short oral presentations:

- **Abstract N° 190-O** - Absorption of enterally administered n-acetyl-glutamine versus glutamine (GLN) in pigs  
  M. Ramírez, Spain

- **Abstract N° 059-O** - Hepatic indicators of inflammation following the infusion of pharmaceutically unstable all-in-one mixtures (AIO) in rats  
  D. Driscoll, USA

### Debussy Theatre

**Satellite Symposium Novartis Medical Nutrition**  
**Nutrition and Oncology: A fascinating challenge**

**Chair:** C. Pichard, Switzerland  
**Co-Chair:** M. Gassull, Spain

- Welcome  
  C. Pichard, Switzerland

- Introduction: Socioeconomic impact of cancer  
  C. Pichard, Switzerland

- Pathophysiology of malnutrition and cachexia in the oncology patient  
  J. M. Argilès, Spain

- Early nutritional intervention  
  P. Dechelotte, France

- The role of special nutritional support in cancer patients  
  R. Wolfe, USA

- Omega 3 fatty acids  
  M. Tisdale, United Kingdom

- Algorithm of decision  
  C. Gómez Candela, Spain

### Auditorium K

**Satellite symposium Dade Behring**  
**Malnutrition - Impact of Diagnosis on Management**

**Chair:** L. Cynober, France  
**J.-C. Melchior, France**

- Programme National Nutritional Santé (PNNS) - an example of Nutritional Management strategy in a European Country  
  L. Cynober, France

- Specific plasma protein levels in ICU patients: markers of nutritional status or prognostic markers of morbidity and mortality?  
  D. Devoto, Italy

- Application to clinical practice - Geriatrics  
  D. Devoto, Italy
Debussy Theatre

Track 1: Insulin resistance
Supported by a grant from Abbott
Session I - Is insulin resistance the cause of obesity?
Chair: R. Meier, Switzerland
Co-Chair: N. Barak, Israel

■ The adipocyte and insulin resistance
E. Karnieli, Israel

The following Original Communication will also be included as short oral presentation:
■ Abstract Nº 050-O - Lactulose inhibits lipolysis in obese subjects H. Piloquet, France
■ The bariatric surgery and glucose metabolism
S. A. Shikora, USA
■ Obesity: cause or effect?
S. Klein, USA

Room Esterel

Nutritional guidelines. ESPEN and other societies:
Supported by a grant from Baxter
Chair: M. Plauth, Germany
Co-Chair: C. Pichard, Switzerland

Nutritional guidelines presentation:
■ ESICM: Enteral feeding in intensive care X. Leverve, France
■ German Society of Parenteral and Enteral Nutrition: Recommendations for enteral nutrition except ICU H. Lochs, Germany
■ Israel Society for Clinical Nutrition: Indications for PEG utilisation Y. Niv, Israel
■ ESPGHAN: TPN in children: preliminary report B. Koletzko, Germany

Auditorium A

Artificial nutrition and the liver
Chair: B. Jeppsson, Sweden
Co-Chair: M. Rubin, Israel

■ TPN-induced liver disease A. Buchman, USA

The following Original Communications will also be included as short oral presentation:
■ Abstract Nº 051-O - Metabolic profile of obese patients with non-alcoholic steatohepatitis (NASH) R. Al-Jaouni, France
■ Glutamine and branched chain amino acid metabolism M. Holecek, Czech Republic
■ Translocation during IBD M. Gassull, Spain
■ Abstract Nº 191-O - Effect of l-valine-supplemented total parenteral nutrition on the rat small intestine after 5-fluorouracil-induced enteritis K. Murakami, Japan

Auditorium K

Oral presentation II (clinical and basic science)
Chair: R. Reifen, Israel
Co-Chair: F. Hammarqvist, Sweden

■ Abstract Nº 256-O - Deleterious consequences of long term-parenteral nutrition on arterial function in children. V. Colomb, France
Abstract N° 349-O - Survival analysis in patients affected by chronic neurological disorders in home enteral nutrition (HEN) 
R. Galletti, Italy

Abstract N° 285-O - Heparin complication in parenteral nutrition via intravenous port system. 
E. Shang, Germany

Abstract N° 196-O - Dietary intake and energy expenditure in patients with liver cirrhosis. 
L. Plank, New Zealand

Abstract N° 197-O - The role of Kupffer cells after major liver surgery. 
H. Prins, Netherlands

M. Farges, France

Abstract N° 141-O - High-fat enteral nutrition decreases TNF-alpha and preserves gut barrier function in rats after hemorrhagic shock. 
M. Luyer, Netherlands

Abstract N° 062-O - Enrichment with docosahexaenoic acid increases the sensitivity of HL-60 cells to arsenic trioxide: relation to oxidative stress. 
S. Sturlan, Austria

Abstract N° 379-O - In vivo measurement of dietary fiber fermentation using methane determination in expired breath. 
Z. Zadak, Czech Republic

09.30 - 11.00 Debussy Theatre

Track 2: Insulin resistance
Supported by a grant from Fresenius Kabi
Session II: Insulin resistance in intensive care
Chair: S. Allison, United Kingdom
Co-Chair: M. Hiesmayr, Austria
G. Van den Berghe, Belgium

The following Original Communications will also be included as short oral presentation:

■ Abstract N° 095-O - Physiological hyperinsulinemia and hyperaminoacidemia stimulate mitochondrial protein synthesis in healthy elderly men. 
C. Guillet, France

■ Glycemia and reactive oxidative species 
X. Leverve, France

■ Post operative insulin resistance 
O. Ljungqvist, Sweden

■ Abstract N° 052-O - Whole body proteolysis is less responsive to insulin action in elderly subjects independently of glucose tolerance 
C. Guillet, France

Room Esterel

On nutrition and haematology: consumption and coagulation
Chair: Z. Zadak, Czech Republic
Co-Chair: R. Suojaranta-Ylinen, Finland
M. Leon-Sanz, Spain
D. Varon, Israel

The following Original Communications will also be included as short oral presentation:

■ Abstract N° 060-O - Fibrinogen synthesis in lean and obese women: basal values and response to weight reduction 
B. Mittendorfer, USA

■ Leukocytes and Nutrition 
A. Shenkin, United Kingdom
MONDAY, SEPTEMBER 22ND, 2003

09.30 - 11.00 Auditorium A

Very long chain fatty acids - the new era of nutrition
Chair: R. Grimble, United Kingdom
Co-Chair: Y. Levy, Israel

■ Tissue targeting pathways of lipid emulsions
Y. Carpentier, Belgium

The following Original Communications will also be included as short oral presentations:

■ Abstract Nº 143-O - A significant inter-individual variability in human circadian clock gene expression in peripheral blood lymphocytes
M. Yano, Japan

■ Abstract Nº 142-O - Significance of administration of fat emulsion: hepatic changes in infant rats receiving total parenteral nutrition with and without fat
M. Oshita, Japan

■ Abstract Nº 061-O - Effects of n-3 PUFAs on metabolic, inflammatory and systemic responses to single lps-injection in healthy volunteers
B. Michaeli, Switzerland

■ Pros’ and Cons’ of LC PUFA in premature and normal infant feeding
B. Koletzko, Germany

■ Transport and tissue delivery of omega-3 fatty acids
R. Deckelbaum, USA

Auditorium K

Nutrition and the kidney
Supported by a grant from Nutricia

Chair: P. Soeters, Netherlands
Co-Chair: L. Harsanyi, Hungary

■ Malnutrition in haemodialysis
N. Cano, France

The following Original Communications will also be included as short oral presentations:

■ Abstract Nº 124-O - Parenteral vitamin C application during ongoing haemodialysis (HD).
J. M. Roob, Austria

■ Abstract Nº 144-O - Interleukin-10 genotype and gene expression affect the severity of inflammatory state in haemodialysis patients
A. Bosutti, Italy

■ Kidney transplantation
M. Plauth, Germany

■ Sodium in Health and Disease
S. Allison, United Kingdom

11.00 - 11.30 Coffee/Tea break

Debussy Theatre

11.30 - 12.15 Cuthbertson lecture

Chair: P. Singer, Israel
Co-Chair: C. Pichard, Switzerland

■ The ubiquitin proteolytic system: From the test tube, through pathogenesis of human diseases and onto drug development
A. Ciechanover, Israel
MONDAY, SEPTEMBER 22ND, 2003

Debussy Theatre

12.15-13.15
Research fellowship award and symposium
Chair: N.E.P Deutz, Netherlands
Co-Chair: Z. Gimmon, Israel

- Effects of physical inactivity on glutamine metabolism
  M. Stulle, Italy
- In vivo measurements of protein degradation in human skeletal muscle
  R. Farrah, Sweden

13.15 - 13.45
Lunch

13.45 - 14.15
Poster Viewing

14.15 - 15.30
Guided poster session

15.30 - 17.00
Debussy Theatre

Track 3: Insulin resistance
Session III: Exercise and insulin resistance
Chair: G. Biolo, Italy
Co-Chair: J. Attal Singer, Israel

Exercise, insulin and fatty acid uptake in the muscle
J. F. C. Glatz, Netherlands

The following Original Communications will also be included as short oral presentation:

- Abstract N° 053-O - Muscle fatty acid oxidative capacity is not altered by age but by physical inactivity. Association with insulin sensitivity.
  B. Morio-Liondore, France
- Substrate utilization during exercise
  R. R. Wolfe, USA
- The metabolic effects of exercise
  J. Poortmans, Belgium
- Abstract N° 054-O - Restricted fatty acid mobilization from adipose tissue during exercise in type 2 diabetes mellitus
  L. Simonsen, Denmark

Room Esterel

Nutrition and Palliative Care
Supported by a grant from Novartis Medical Nutrition
Chair: R. Chiolero, Switzerland
Co-chair: A. Odlund Olin, Sweden

- Nutritional Management
  L. Kent Smith, Portugal
- The terminally ill patient: Cancer, CVA, neuropsychiatric disorders
  T. Tas, Netherlands

The following Original Communication will also be included as short oral presentation:

- Abstract N° 226-O - Does caffeine block the favourable effects of adenosine 5’-triphosphate (ATP) on the nutritional status of cancer patients?
  P. C. Dagnelie, Netherlands
- Ethical issues: refusal to eat in the elderly
  E. L. Marcus, Israel
MONDAY, SEPTEMBER 22ND, 2003

15.30 - 17.00

Auditorium A

ESPEN / ASPEN: Outcome of nutritional support in:
Chair: D. August, USA
Co-chair: A. Shenkin, United Kingdom
Geriatrics: Y. Berner, Israel
Obesity: S. A. Shikora, USA
Cancer: D. August, USA

The following Original Communications will also be included as short oral presentations:

- **Abstract N° 286-O** - Improved outcomes with nutrition support in ambulatory oncology patients receiving radiotherapy
  - E. A. Isenring, Australia

- **Abstract N° 287-O** - Effects of an enhanced recovery program after colorectal resection on physiological function
  - J. Nygren, Sweden

Auditorium K

Oral presentation III (basic science)
Chair: S. Schwartz, Spain
Co-chair: R. Shamir, Israel

- **Abstract N° 096-O** - Insulin stimulates fractional synthesis rate of mixed leukocyte proteins in adult and aged healthy humans.
  - S. Walrand, France

- **Abstract N° 097-O** - Glutamine inhibits lps-induced pla2 activation and protects against endotoxin shock in the mouse.
  - B. H. Cho, South Korea

- **Abstract N° 098-O** - Low plasma arginine concentration in septic patients is related to diminished de novo arginine production from Citrulline.
  - Y. Luiking, Netherlands

- **Abstract N° 099-O** - Whole body protein synthesis and breakdown are unchanged after major hepatectomy for malignancies in man.
  - M. Van De Poll, Netherlands

- **Abstract N° 142-O** - Increased circulating B and T lymphocyte in burn patients given enteral glutamine supplement.
  - D. Garrel, Canada

  - G. Cornejo, Mexico

- **Abstract N° 194-O** - The effect of cyclic and continue parenteral nutrition on liver in a rabbit model; a comparative ultrastructural study
  - I. Kiristioglu, Turkey

- **Abstract N° 195-O** - Comparative study on cyclic and continue parenteral nutrition administration: intestinal permeability and bacterial translocation.
  - I. Kiristioglu, Turkey

- **Abstract N° 128-O** - High selenium diet protects against inflammatory bowel disease and restores mitochondrial colonic tissue function.
  - O. Tirosh, Israel

17.00 - 18.00

Auditorium A

ESPEN General assembly (Reserved for ESPEN members)

18.00 - 18.40

Auditorium A

ESPEN Extraordinary assembly (Reserved for ESPEN members)
08.00 - 09.30

Debussy Theatre

Nutrient Gene Interaction
Chair: R. Grimble, United Kingdom
Co-Chair: L. Pironi, Italy
- Nutrient effect on gene expression
- Fatty acids and gene expression
- Lipids and cytokine gene interaction during inflammation
The following Original Communications will also be included as short oral presentations:
- Abstract N° 146-O - Rat linoleyl co-a desaturase mrna transcripts: nutritional regulation. V. Puerta, Spain
- Abstract N° 145-O - Gene: Gene interactions influence the outcome in elderly patients. R. Grimble, United Kingdom

Room Esterel

Vitamins and hormones
Chair: J. Attal-Singer, Israel
Co-Chair: A. Shenkin, United Kingdom
- Growth hormones
- Vitamin A: beyond vision
The following Original Communications will also be included as short oral presentations:
- Abstract N° 122-O - Effects of vitamin E depletion/repletion on vitamin E status and oxidative stress in healthy volunteers. B. M. Winklhofer-Roob, Austria
- Abstract N° 126-O - Food intake and micronutrient status in patients with Crohn’s disease. J. Filippi, France
- Free Fatty Acids: Good or bad? H. Sauerwein, Netherlands

Auditorium A

Mediterranean diet
Chair: Y. Carpentier, Belgium
Co-Chair: I. Grintescu, Romania
- Olive oil and alpha linolenic acid
- Mediterranean dietary antioxidants inhibit atherosclerosis progression: the Pomegranate example
The following Original Communications will also be included as short oral presentations:
- Abstract N° 380-O - Regulation of alpha-tocopherol enrichment in LDL. M. Hacquebard, Belgium
- Abstract N° 288-O - Effect of enteraly administered n-3 polyunsaturated fatty acids on inflammation, antioxidants and outcome in acute pancreatitis. N. Lasztity, Hungary
- Fish oil or vegetable oil? Z. Zadak, Czech Republic
08.00 - 09.30 Auditorium K

ESPEN/ESPGHAN symposium
Chair: B. Koletzko, Germany
Co-Chair: R. Shamir, Israel
Breast milk feeding: its impact on future health
B. Koletzko, Germany
The following Original Communications will also be included as short oral presentations:

- Abstract N° 199-O - Evaluation of intestinal mediators of energy homeostasis in a human model
  R. Shamir, Israel
- Infant formula: the quest for optimal components and composition
  O. Hernell, Sweden
- Biotics in infants and children
  D. Morrison, United Kingdom
- Abstract N° 257-O - Infant formula supplemented with probiotics reduces gastrointestinal infections’ rate in day care infants
  Z. Weizman, Israel

09.30 - 11.00 Debussy Theatre

Nutritional modulation of intestinal physiology
Chair: A. Van Gossum, Belgium
Co-Chair: X. Hebuterne, France
Oral insulin as an intestinal growth factor
R. Shamir, Israel
Glutamine and ischemia-reperfusion
A. Coker, Turkey
The following Original Communications will also be included as short oral presentations:

- Abstract N° 198-O - Early nutritional administration after severe gut ischemia-reperfusion reduces survival
  K. Fukatsu, Japan
- Abstract N° 199-O - Evaluation of intestinal mediators of energy homeostasis in a human model
  A. Omar, Germany
- Dietary fat in intestinal diseases
  M. Cravo, Portugal

Room Esterel

Metabolic efficiency in health and disease
Supported by a grant from Datex Ohmeda
Chair: E. Berry, Israel
Co-Chair: E. Roth, Austria
Cellular aspects
X. Leverve, France
Exercise aspects
P. Marques Vidal, Portugal
The following Original Communication will also be included as short oral presentation:

- Abstract N° 055-O - Postprandial hyperlipidemia: effect of acute exercise
  L. H. Enevoldsen, Denmark
- Interventional aspects in catabolic states
  R. Chiolero, Switzerland

Auditorium A

Functional food: from concept to market place
Chair: M. Gassull, Spain
Co-Chair: D. Waitzberg, Brazil
Enhancing vitamins in plant foods by genetic engineering
J. Hirschberg, Israel
New vehicles for food absorption
N. Garti, Israel
The following Original Communications will also be included as short oral presentations:

- **Abstract N° 056-O** - The impact of slow release starch containing enteral nutrition on blood glucose/insulin responses in type 2 diabetic patients - randomized, controlled, multi-centre clinical study  
  H. Wang, China

- **Abstract N° 127-O** - Effects of dietary carotenoid depletion and repletion on lymphocyte proliferation during aging  
  R. Minet-Quinard, France

- **The place of functional food in gastroenterology**  
  H. Lochs, Germany

**09.30 - 11.00 Auditorium K**

Nutrition and bone health through life span

Chair: P. Stehle, Germany  
Co-Chair: G. Rozen, Israel

- Nutrition, growth and bone strength  
  Z. Zadik, Israel
- Bone muscle unit concept  
  E. Schoenau, Germany

The following Original Communications will also be included as short oral presentations:

- **Abstract N° 001-O** - Pathogenesis of osteopenia in anorexia nervosa: a multivariate analysis  
  L. Di Pascoli, Italy

- **Abstract N° 289-O** - Skeletal fluorosis: an unusual metabolic bone complication in HPN patients  
  J. M. Reimund, France

- Promoting bone health through exercise in the elderly  
  S.M. Schneider, France

**11.00 - 11.30 Coffee/Tea break**

**11.30 - 12.15 Debussy Theatre**

**Arvid Wretlind ESPEN 25th Anniversary Lecture:**

Chair: M.E. Assis Camilo, Portugal  
Co-Chair: Z. Gimmon, Israel

- The history of nutritional support in the last 25 years  
  E. Vinnars, Sweden

**12.15 - 13.15 Research fellows’ symposium II**

Chair: N.E.P. Deutz, Netherlands  
Co-Chair: Y. Levy, Israel

- Does glutamine modulate cytokine production by human gut mucosa?  
  M. Coëffier, France
- Hepatic, muscular and intestinal glutathione synthesis in cachetic cancer patients  
  M. van der Poll, Netherlands
- Proteome analysis of the influence of glutamine starvation on monocytic cells  
  M. Eliasen, Austria

**13.15 - 13.45 Lunch**

**13.45 - 14.15 Poster Viewing**

**14.15 - 15.30 Guided poster session**
15.30 - 17.00 Debussy Theatre

Microbial flora and the gut
Supported by a grant from Nestlé

Chair: R. Meier, Switzerland
Co-Chair: H. Lochs, Germany

- Clinical utilisation of dietary fibers
- Micro-flora of the gut in the elderly
- Therapeutic aspects of pro biotics in gastrointestinal diseases?

The following Original Communications will also be included as short oral presentations:

- **Abstract N° 200-O** - Probiotic supplementation reduces bacterial translocation in thermal injury
  - F. Gun, Turkey

- **Abstract N° 290-O** - Decreased mortality and infectious morbidity in adult burn patients with enteral glutamine supplements
  - D. R. Garrel, Canada

15.30 - 17.00 Room Esterel

Key papers in the field of clinical nutrition (2002-2003)

Chair: O. Ljungqvist, Sweden
Co-Chair: M. Gassull, Spain

- Basic science
  - N. Vaisman, Israel

- Clinical practice:
  - Pharmacist: R. Radziwill, Germany
  - Nurse literature: T. Tas, Netherlands

Auditorium A

Insights from Tracer Studies in metabolic research

Chair: O. Rooyackers, Sweden

- NO synthesis in the critically ill
  - N.E.P. Deutz, Netherlands

- Perinatal Fatty Acid Metabolism
  - B. Koletzko, Germany

- Glucose metabolism in premature infants
  - A. van Kemper, Netherlands

Auditorium K

ESPEN / FELANPE symposium

Short bowel syndrome

Chair: P. Fürst, Germany
Co-Chair: M. Perman, Argentina

- Nutritional support
  - D. Waitzberg, Brazil

- Surgical approach
  - M. E. Ferreyra, Peru

- Hormonal therapy
  - P. B. Jeppesen, Denmark

17.00

Debussy Theatre

Closing Ceremony