

Dear Colleague,

Come to Barcelona  
to learn about wasting disorders,  
i.e. CACHEXIA

# 5<sup>th</sup> Cachexia conference

Barcelona, Spain  
December 5-8, 2009



**Online registration:**

www.cachexia.org  
Please use attached form  
to register in advance

**Course information:**

Tel: +33 1 42 53 03 03  
Fax: +33 1 42 53 03 02  
Email: info@mededgs.com

**Dates:**

Saturday, December 5, 2009  
to Tuesday, December 8, 2009  
Time: 9:00-18:30

Deadline for receipt of  
abstracts: September 15, 2009

**Venue:**

Princesa Sofia Hotel  
Pl. Pius XII 4  
08028 Barcelona, Spain  
tel : (+ 34) 935 081 000

**Accommodation:**

Special congress rate  
(130 € / single room) at the  
Princesa Sofia Hotel. Please  
download reservation form on  
www.cachexia.org

**Official language:**

English

**ORGANIZATION / REGISTRATION**

**MedEd GS**

75, rue Guy Môquet  
92240 Malakoff - France  
Tel: +33 1 42 53 03 03  
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E-mail: info@mededgs.com

www.cachexia.org

**Topics:**

Epidemiology / Prognosis  
Molecular Biology  
Pathophysiology  
Therapy

**Abstract submission is possible**

- Deadline September 15, 2009
- Poster presentations
- Young Investigator Awards

**Chairmen:**

Josep Argiles, Barcelona, Spain  
Stefan Anker, Berlin, Germany

**Local Organizers:**

Department of Biochemistry and  
Molecular Biology, Faculty of Biology,  
Barcelona University, Barcelona, Spain

**International Scientific Committee:**

Stefan D. Anker, Berlin, Germany  
Josep M. Argilés, Barcelona, Spain  
William J. Evans, Little Rock (AR), USA  
Kenneth Fearon, Edinburgh, UK  
Akio Inui, Kagoshima, Japan  
John E. Morley, St. Louis (MO), USA  
Piotr Ponikowski, Wroclaw, Poland  
Filippo Rossi-Fanelli, Rome, Italy  
Annemie Schols, Maastricht, Netherlands

Yours sincerely,

Stefan Anker, MD, PhD  
Josep Argiles, PhD

PLACE  
STAMP  
HERE

**MedEd GS**  
75, rue Guy Môquet  
92240 Malakoff  
France



FINAL PROGRAM 5th Cachexia Conference

Saturday, December 5, 2009

16:00-18:30 - OPENING SESSION:

"Hippocrates" clinical research in cachexia lecture: Cancer cachexia: a multidimensional problem Ken Fearon, Edinburgh / UK Cachexia: the need for epidemiological data Claude Pichard, Geneva / Switzerland How does cachexia cause death? Mitja Lainscak, Golnik / Slovenia Cachexia Consensus: several definitions with common facts Maurizio Muscaritoli, Rome / Italy Update on the outcomes of the 2008 Consensus Meeting on Endpoints for Cachexia Trials William Evans, Little Rock / USA

Sunday, December 6, 2009

09:00-10:30 - PLENARY SESSION:

Mechanisms of cachexia "Prometheus" basic science in cachexia lecture: Mechanisms of anorexia Filippo Rossi Fanelli, Rome / Italy Animal models for cachexia in cancer and chronic illness Jochen Springer, Berlin / Germany The energetics of wasting diseases Patrick Ritz, Angers / France Adipose tissue dissolution in cancer cachexia Peter Arner, Stockholm / Sweden Molecular mechanisms involved in skeletal muscle wasting Alfred Goldberg, Boston / USA

10:30-11:00 - Coffee break

11:00-13:00 - CLINICAL TRACK: Cancer cachexia

Quality of life in cancer patients Deborah Fitzsimmons, Swansea / UK Morphology, metabolism, microcirculation, and strength of skeletal muscles in cancer-related cachexia Wulf Hildebrandt, Derby / UK Anemia in cancer patients Kent Lundholm, Stockholm / Sweden Cardiac alterations in cancer cachexia Stefan Anker, Berlin / Germany Inflammation and cancer cachexia Paola Costelli, Turin / Italy

11:00-13:00 - BASIC TRACK: The role of skeletal muscle metabolism

Muscle degeneration / regeneration in cachexia James Carson, Columbia / USA Muscle fiber type-specific nitric oxide protects against cachectic stimuli Zhen Yan, Charlottesville / USA Muscle and fat interaction: a role for interleukin-15 Francisco López-Soriano, Barcelona / Spain Biochemical considerations as to why some amino acids are anabolic while others are toxic Francesco Dioguardi, Milan / Italy Contractile proteins and the ubiquitin system David Glass, Basel / Switzerland

13:00-15:00 - Lunch and Posters sessions

15:00-16:30 - PLENARY SESSION:

Mediators and signaling in cachexia Nutrient-hormone interactions in the control of appetite and body weight Matthias Tschoep, Cincinnati / USA Hormonal changes: insulin resistance Wolfram Doeberner, Berlin / Germany Role of glucocorticoids in the molecular regulation of muscle wasting Per-Olof Hasselgren, Boston / USA Role of central prostaglandins in cachexia Jean-Denis Troadec, Marseille / France Modulation of MuRF-1 and MAFbx expression in the myocardium by physical exercise training Volker Adams, Leipzig / Germany

16:30-17:00 - Coffee break

17:00-18:30 - CLINICAL TRACK: Pathophysiology of cachexia

Cachexia-associated depression: are inflammatory cytokines involved? Florian Strasser, St. Gallen / Switzerland Weakness, fatigue and breathing problems Andrew Clark, Hull / UK The problem of dysphagia in cancer patients Alessandro Laviano, Rome / Italy Key pathophysiological differences between cachexia and sarcopenia Cornel Sieber, Nuremberg / Germany Biomarkers for cachexia Stephan von Haehling, Berlin / Germany

17:00-18:30 - BASIC TRACK: Control of muscle mass

Magic-factor 1 and muscle hypertrophy Maurilio Sampaolesi, Leuven / Belgium Quantification of muscle mass in cancer patients using computed tomography images Vickie Baracos, Edmonton / Canada nF-kappa-B and skeletal myogenesis Denis C. Guttridge, Columbus / USA MG53 and its involvement in muscle repair Chuanxi Cai, Louisville / USA The role of the proteasome in cachexia Didier Attaix, Clermont-Ferrand / France

Monday, December 7, 2009

09:00-10:30 - PLENARY SESSION:

Treatment development for cachexia The present, past and future of nutrition and nutraceuticals Ardy van Helvoort, Wageningen / Netherlands Manipulating the mechanisms controlling appetite and food intake Daniel Marks, Portland / USA The future of microRNAs Thomas Thum, Würzburg / Germany Late-breaking basic science results N.N. Late-breaking clinical science results N.N.

10:30-11:00 - Coffee break

11:00-13:00 - CLINICAL TRACK: Clinical Trials: late-breaking approaches

5 / 6 Presentations to be confirmed

11:00-13:00 - BASIC TRACK:

Fighting cachexia and sarcopenia Testosterone, frailty and clinical trials John Morley, St. Louis / USA Cachexia treatment developments: successes and failures Alessandro Laviano, Rome / Italy Beta-2 agonists Silvia Busquets, Barcelona / Spain Alternative medicine in cachexia Joan Vidal-Jové, Barcelona / Spain Exercise, anticatabolic strategies and the treatment of cachexia Giovanni Mantovani, Cagliari / Italy

13:00-14:30 - Lunch and Poster sessions

14:30-16:00 - PLENARY SESSION:

Chronic illness & cachexia: common mechanisms Chronic heart failure Piotr Ponikowski, Wroclaw / Poland Muscle wasting in COPD Annemie Schols, Maastricht / Netherlands Chronic kidney disease Kamyar Kalantar-Zadeh, Torrance / USA Cachexia in stroke and Alzheimer's disease Wolfram Doeberner, Berlin / Germany Cachexia in liver and bowel diseases Herbert Lochs, Berlin / Germany

16:00-17:00 - Coffee break & Poster discussion

17:00-18:30 - CLINICAL TRACK: Sarcopenia

Sarcopenia: its assessment, etiology, pathogenesis, consequences and future perspectives Yves Rolland, Toulouse / France Amino acid signaling pathways in skeletal muscle and sarcopenia Leonard Jefferson, Hershey / USA A life course approach to sarcopenia Avan Aihie Sayer, Southampton / UK Nutritional interventional studies in the elderly Antoni Salvà, Barcelona / Spain Inflammation in the elderly Luigi Ferrucci, Baltimore / USA

17:00-18:30 - JUDGES' CHOICE: Oral presentations of selected abstracts

20:00 - CONFERENCE DINNER: Dinner talk

Catalan cookery: Europe's last great culinary secret Josep Argiles, Barcelona / Spain

Tuesday, December 8, 2009

09:00-10:30 - PLENARY SESSION: Debates

Debate 1: Cancer cachexia: tumoral or humoral factors? Tumoral factors - common misconceptions Mike Tisdale, Birmingham / UK Humoral factors Maurizio Muscaritoli, Rome / Italy

Debate 2: Nutrition and nutraceuticals versus drugs Nutrition / nutraceuticals John Morley, St. Louis / USA Drugs Kent Lundholm, Stockholm / Sweden

Debate 3: What is the hallmark of the cachexia syndrome: weight loss or inflammation? Weight loss Stefan Anker, Berlin / Germany Inflammation Ken Fearon, Edinburgh / UK

10:30-11:00 - Coffee break

Meeting Closure

11:00-12:00 - PLENARY SESSION:

Hot nutrition science Late-breaking nutrition science results N.N. Late-breaking nutrition science results N.N. Late-breaking nutrition science results N.N.

12:00-12:15 Short break

12:15-13:45 - PLENARY SESSION: Highlights

Meeting highlights: Basic science Josep Argiles, Barcelona / Spain Meeting highlights: Pathophysiology William Evans, Little Rock / USA Meeting highlights: Treatment Stefan Anker, Berlin / Germany Outlook on the 6th Cachexia Conference in Osaka 2011 Akio Inui, Kagoshima / Japan

ACCREDITATION:

Saint Louis University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

AMERICAN MEDICAL ASSOCIATION:

Saint Louis University School of Medicine designates this educational activity for a maximum of 19.5 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

VALIDATION OF CONTENT:

Saint Louis University School of Medicine follows the ACCME policy on Validation of Content for CME activities which require that: All recommendations involving clinical medicine must be based on evidence that is accepted within the profession of medicine as adequate justification for their indications and contraindications in the care of patients. All scientific research referred to, reported or used in CME in support or justification of a patient care recommendation must conform to the generally accepted standards of experimental design, data collection and analysis.

DISCLOSURE POLICY:

It is the policy of Saint Louis University School of Medicine to insure balance, independence, objectivity and scientific rigor in its continuing medical education program. Faculty and planning committee members participating in these activities are required to disclose to the audiences prior to the activity the following: 1- The existence of any significant financial or other relationship with the manufacturer of any commercial product or provider of any commercial service discussed. 2- Their intention to discuss a product that is not labeled for the use under discussion. 3- Their intention to discuss preliminary research data.

Saint Louis University School of Medicine will review this activity's disclosures and resolve all identified conflicts of interest, if applicable.



REGISTRATION

Registration form with fields for name, date of birth, position, address, postal code, country, tel, fax, and e-mail. Includes checkboxes for Mr., Mrs., Dr., Prof.

I wish to attend the 5th Cachexia Conference in Barcelona, Spain.

Table with 3 columns: Registration category, Until Sept. 15, 2009, After Sept. 15, 2009. Rows include Medical professionals, Doctors, Nurses, Abstract presenters, Industry representative, Conference dinner.

PAYMENT

Payment options: I am enclosing a cheque in Euros made out to MedEd GS (The cheque must not be in another currency) and I am paying by credit card (Visa, Mastercard, Eurocard).

Please provide: Card holder name, Card type, Card number, Expiry date, Check digits.

- Cancellation of registration before November 1, 2009: 50% refund of registration fee.
• Cancellation of registration after November 1, 2009: no reimbursement.

I wish to present a poster. Please send me a poster presentation form (deadline for receipt of abstracts: September 15, 2009). Includes fields for Date and Signature.