

Faculty

- Piergiuseppe Agostoni, Milano, Italy
- Romualdo Belardinelli, Ancona, Italy
- Daniel Dumitrescu, Cologne, Germany
- Alfred Hager, DHM, Munich, Germany
- Sandy Jack, Southampton, United Kingdom
- Franz-Xaver Kleber, Berlin, Germany
- F. Joachim Meyer, Klinikum München, Munich, Germany
- Jan Müller, TUM, Munich, Germany
- Horst Olschewski, Graz, Austria
- Paul Older, Melbourne, Australia
- Axel Pressler, TUM, Munich Germany
- Marshall Riley, Belfast, United Kingdom
- Tim Takken, Utrecht, The Netherlands
- Susan Ward, Crickhowell, Wales, United Kingdom

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General Information

ORGANISATION



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COURSE CHAIR

PD Dr. Alfred Hager

REGISTRATION

www.cpxi2015.com

REGISTRATION FEE

Includes

- Entrance
- Refreshments at breaks and light lunch
- Congress Get-together Thursday
- Book "Principles of Exercise Testing and Interpretation – including pathophysiology and clinical applications" by K. Wasserman, J.E. Hansen, D.Y. Sue, W.W. Springer, B.J. Whipp. 5th Edition
- Free membership to CPXI for 2016

Till Oct. 2nd, 2015 950 €

After Oct. 2nd, 2015 +100 €

On site +150 €

CME accreditation is requested from Bayerische Landesärztekammer (BLÄK).

Deutsches Herzzentrum München (DHM)
Technische Universität München (TUM)
Lazarettstr. 36 · 80636 Munich · Germany
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CPX International Inc
www.cpxinternational.com

General Information

VENUE

Deutsches Herzzentrum München
Lazarettstraße 36 · 80636 Munich · Germany

ACCESS TO PUBLIC TRANSPORT

Underground U1 and U8 · Stop Maillingerstraße
5 minute walk.

Tram 20 and 21 · Stop Lothstraße · 10 minute walk.

ACCESS FROM AIRPORT/CENTRAL TRAIN STATION

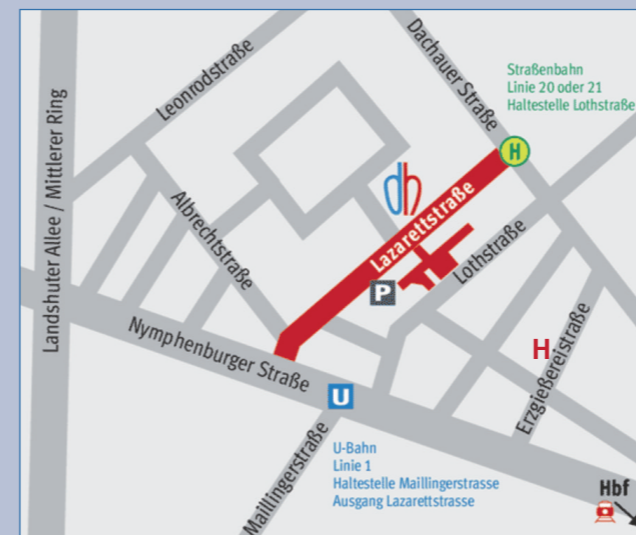
From Munich airport take the local train (S-Bahn) S1 or S8 to Munich Central Station and change there to Underground U1 or U8 (westbound) till Maillingerstraße.

HOTELS (H)

A limited contingent of hotel rooms is reserved at a special rate at the hotel stated below. The reserved block of rooms for the Conference will only be held until August 28, 2015. Requests for accommodations after this date will be subject to availability. Please make reservations directly at the hotel and refer to our reservation contingents.

HOTEL EUROPA

Dachauer Str. 115 · 80335 Munich
Tel. +49 (0)89-54 24 20 · www.hotel-europa.de
Keyword: cpx-i 2015



European Practicum on CARDIOPULMONARY EXERCISE TESTING



4th – 7th Nov 2015

Deutsches Herzzentrum München
Technische Universität München
Munich, Germany

in collaboration with
CPX International

www.cpxi2015.com

Welcome

Dear colleagues,

cardiopulmonary exercise testing became an established tool for screening, diagnosis, prognosis assessment and treatment surveillance in many cardio-pulmonary and even other conditions.

In 2015 we welcome you for a tutorial meeting in Munich. This will be a chance to get the newest information on how to interpret CPET data directly from an outstanding faculty that worked on cardiopulmonary exercise testing for decades.

The meeting includes a teaching course with lectures and tutorials in small groups. We will have live demonstrations on various types of exercise tests and on patients in typical conditions. You can pick up the topics you are mostly interested in. Finally on Saturday, all attendees and faculty members are invited to present their current research.

We hope to get a seminal discussion on these issues of tomorrow. Please send your abstracts in advance to daniel.dumitrescu@uk-koeln.de.

We welcome you to this course, practicum, and scientific meeting and hope to see you at the Deutsches Herzzentrum München in autumn 2015.

Alfred Hager

Course Chair

Piergiuseppe Agostoni

President CPXI

Karlman Wasserman

Honorary President CPXI

Online registration and information:

www.cpxi2015.com

Wednesday, 4 Nov 2015

08:30 Welcome (A. Hager)

■ EXERCISE PHYSIOLOGY

08:45 Physiological basis of exercise performance Part I (S. Ward)

09:30 Physiological basis of exercise performance Part II (S. Ward)

10:00 Oxygen transport in exercise (A. Hager)

10:30 Pathophysiology of exercise limitation Part I (P. Agostoni)

BREAK

11:30 Pathophysiology of exercise limitation Part II (P. Agostoni)

12:00 **Tutorials:** Physiology

LUNCH

14:00 Exercise physiology and sports performance (A. Pressler)

14:30 Cardiac output measurement in exercise (P. Agostoni)

15:00 Blood pressure in exercise (A. Hager)

15:30 Lung function in exercise (F. J. Meyer)

BREAK

16:30 Pulmonary circulation in exercise (H. Olschewski)

17:00 Exercising with metabolic defects (M. Riley)

17:30 General discussion (Faculty)

Thursday, 5 Nov 2015

■ CONSTANT WORK RATE TESTING

08:30 Physiology of constant work rate testing (M. Riley)

09:00 **Laboratory session I:** Constant work rate tests

BREAK

■ INCREMENTAL WORK RATE TESTING

11:00 Introduction to clinical application of CPET (P. Agostoni)

12:00 Conducting a clinical study/ quality control (S. Jack)

12:30 Formatting exercise test results (D. Dumitrescu)

LUNCH

14:00 Normal Values in exercise testing (D. Dumitrescu)

14:30 Diagnosis of myocardial ischemia (R. Belardinelli)

15:00 Detection of shunt (A. Hager)

BREAK

16:00 **Laboratory session II:** Ramp test

17:30 General discussion (Faculty)

20:00 Get together (Löwenbräu-Keller)

Friday, 6 Nov 2015

■ CLINICAL APPLICATION

08:30 Role of CPET in clinical diagnostic and therapeutic decision making (F.-X. Kleber)

09:00 Preoperative risk evaluation – then and now (P. Older)

09:30 CPET and heart failure prognosis (P. Agostoni)

10:00 Training according to CPET results (A. Preßler)

BREAK

11:00 Exercise testing in children (T. Takken)

11:30 Evaluation of pulmonary hypertension (D. Dumitrescu)

12:00 **Tutorials:**

- pediatrics
- rehabilitation
- anaesthesia
- pulmonary hypertension
- pneumology
- cardiology
- sports medicine
- oncology

LUNCH

14:00 Use of CPET in oncology (S. Jack)

14:30 Cases (D. Dumitrescu; J. Müller; M. Riley; S. Jack)

15:30 Self-examination

BREAK

16:30 **Laboratory session III:** Clinical CPET

- pediatrics
- athlete
- pulmonary hypertension
- adult congenital heart disease
- COPD
- heart failure

17:30 General discussion (Faculty)

Saturday, 7 Nov 2015

■ CURRENT AND FUTURE CPET PROJECTS

(Chair: P. Agostoni; D. Dumitrescu)

08:30 to be announced (N.N.)

09:00 to be announced (N.N.)

09:30 to be announced (N.N.)

10:30 to be announced (N.N.)

BREAK

11:30 to be announced (N.N.)

11:30 to be announced (N.N.)

12:00 to be announced (N.N.)

12:30 to be announced (N.N.)

13:00 Closing (P. Agostoni, A. Hager)