Speakers

Benjamin Bender MD
Dep. of Diagnostic and Interventional Neuroradiology,
University Hospital Tübingen, Germany

Prof. Sotirios Bisdas MD
Dep. of Diagnostic and Interventional Neuroradiology,
University Hospital Tübingen, Germany

Prof. Barbara Bobek-Billewicz MD
Radiodiagnostic Department, Maria Sklodowska-Curie
Memorial Cancer Centre and Institute of Oncology,
Gliwice, Poland

Prof. Xiao-Qi Ding PhD MD,
Institute of Diagnostic and Interventional Neuroradiology,
Hannover, Medical School, Hannover, Germany

Steffi Dreha-Kulaczewski MD
Dep. of Pediatrics and Pediatric Neurology, University
Hospital Göttingen, Germany

Adriane Gröger PhD
Dep. of Neurology, University Hospital Mainz, Germany

Prof. Elke Hattingen MD
Neuroradiology, Universitätsklinik Bonn, Germany

Prof. Vasilis Katsaros MD
Dep. of Radiology, St. Savvas Hospital, Athens

Prof. Uwe Klose PhD
Dep. of Diagnostic and Interventional Neuroradiology,
University Hospital Tübingen, Germany

Urspeter Knecht MD
Dep. Diagnostic and Interventional Neuroradiology,
Inselspital Bern, Switzerland

Prof. Irina Mader MD
Dep. Neuroradiology, University Hospital, Freiburg,
Germany

Elham Rahimian MD
Neuroradiology, Haghighat Radiology Center, Tehran,
Iran

Rita Schäfer PhD
Dep. of Diagnostic and Interventional Neuroradiology,
University Hospital Tübingen, Germany

Prof. Lily Varaki,
Neuroradiology Section, Metropolitan Hospital, Athens,
Greece

Anett Werner PhD
Dep. Neuroradiology, University Hospital Dresden

Registration

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Workshop fee: 100 €

Venue

University Hospital Tübingen
Building 420 - Level B4
Lecture Hall No. 221
Dear Colleagues,

MR proton spectroscopy is a long known method in radiological examinations, which provides valuable additional diagnostic information. Nevertheless it is not used in many radiological sites due to a lack of experience with the measurement sequences and the evaluation technique.

In our workshop, several specialists of spectroscopic measurements in neuroradiological applications will report on their experiences and the still existing difficulties with this technique.

The workshop focuses on the most common applications. In addition, there will be several reports on current research projects using proton spectroscopy in neuroradiological topics.

We are pleased to invite you to our MR workshop in the University Hospital of Tübingen.

Prof. Dr. U. Klose      Prof. Dr. U. Ernemann

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**Program**

**9:00** U. Ernemann, Tübingen: Welcome address

**9:05 Methods:**
U. Klose, Tübingen: Sequences in routine proton MRS measurements

**9:15 Proton spectroscopy of tumors**
E. Hattingen, Bonn, Germany
A. Bobek-Billewicz, Gliwice, Poland
A. Werner, Dresden, Germany
U. Knecht, Bern, Switzerland
I. Varaki, Athens, Greece
S. Bisdas, Tübingen, Germany

**10:45 Coffee break**

**11:15 Proton spectroscopy in pediatric diseases**
S. Dreha-Kulaczewski, Göttingen, Germany
A. Werner, Dresden, Germany
E. Rahimian, Tehran, Iran
B. Bender, Tübingen, Germany

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**Program**

**12:15 Lunch break**

**13:30 Recent research results in clinical proton spectroscopy**
A. Gröger, Mainz: Optimization of LCModel basis data sets for special clinical applications
R. Schäfer, Tübingen: Separation of Lactate and Lipids at 135 ms
X. Ding, Hannover: Influence of diet intervention on neurometabolism
I. Mader, Freiburg: The Freiburg radiogenomics project: genetic and imaging variability of glioblastomas
U. Knecht, Bern: Differential diagnosis of metastasis versus high grade gliomas using MRS.
A. Werner, Dresden: Quantitation of GABA and Detection of 2HG in IDH-mutations in glioma

**15:30 End of the workshop**