

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, Haghghat 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

Anja Stierl

Department of Diagnostic und Interventional
Neuroradiology

University Hospital Tübingen

Hoppe-Seyler-Str. 3

72076 Tübingen

Phone: +49-7071-2983005

neurorad-workshop@med.uni-tuebingen.de

Workshop fee: 100 €

Venue

University Hospital Tuebingen

Building 420 - Level B4

Lecture Hall No. 221



University Hospital Tübingen

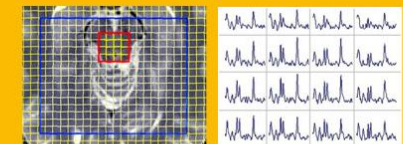
Diagnostic and Interventional Neuroradiology



Proton MR Spectroscopy in Neuroradiological Diagnostics

Workshop on the impact
of proton spectroscopy in
neuroradiological MR examinations.

Tübingen, February 21th, 2015



Introduction

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

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 I

E. Hattingen, Bonn, Germany

W. Katsaros, Athens, Greece

A. Bobek-Billewicz, Gliwice, Poland

A. Werner, Dresden, Germany

10:15 Coffee break

10:45 Proton spectroscopy of tumors II

U. Knecht, Bern, Switzerland

I. Varaki, Athens, Greece

S. Bisdas, Tübingen, Germany

11:30 Proton spectroscopy in pediatric diseases

S. Dreha-Kulaczewski, Göttingen, Germany

A. Werner, Dresden, Germany

E. Rahimian, Tehran, Iran

B. Bender, Tübingen, Germany

Program

12:30 Lunch break

13:30 Recent research results in clinical proton spectroscopy

A. Gröger, Mainz: Optimization of LCMoel 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 2 HG in IDH-mutations in glioma

15:30 End of the workshop