



International Workshop
„Magnetic Resonance Studies“

May 21 - 23, 2015

Semmering, Austria



Photo by Marcel Rebro / www.rebro.sk



Supported by
„Aktion Austria -
Czech Republic“
72p15

Organizing Committee: Daniel Jirák, Martin Krššák, Milan Hájek, Monika Dezortová

Venue: Alpenhof Semmering, Am Alpenhof 1, 8685 Steinhaus am Semmering, Austria

GPS: N 47.62.930° , E 15.80.652° <http://www.alpenhofhotel.eu/>

Thursday, May 21, 2015

15:15 Welcome

15:30-18:00 Scientific session 1

Martin Gajdošík

Assessment of unsaturated hepatic lipids using ultra-short TE at 7T

Filip Jiru

jSIPRO - version 2.0 (single voxel spectra analysis)

Michal Považan

Detecting brain macromolecules using ultra-short acquisition delay ^1H -MRSI at 7T

Lenka Mináriková

Breast cancer neoadjuvant chemotherapy monitoring with DCE MRI and DWI at 3T.

Markéta Jirátová

Glycogen-based drug delivery systems

Andrea Galisová

Pilot ^{19}F MRI experiments at IKEM

Radka Tušková

Investigation of biomarkers for early stages of age-related dementia on animal models by in vivo magnetic resonance

20:00- 20:30 Late Evening session

Gunther Helms

First experiences with 7T Philips MR system @ Lund University and the progress report with manufacturing certification

Friday, May 22, 2015

8:30-10:10 Scientific session 2

Simon Robinson

COMbining Phased array data using Offsets derived from a Short Echo-time Reference (COMPOSER)

Korbinian Eckstein

On-console (ICE) implementation of phase imaging methods

Paul Schenach

SWI of the Knee

Albert Rechberger

Automatic venous vessel segmentation in high field, multi-echo SWI

Vít Herynek

Gd7- β -cyclodextrin - a contrast agent for renal MR imaging

10:30-12:30 Scientific session 3

Petr Šedivý

Dynamic ^{31}P MR Spectroscopy in Patients with Peripheral Arterial Occlusive Disease

Marjeta Tušek Jelenc

Determination of ATP synthesis and CK exchange rates at rest and during exercise by DRESS localized ^{31}P -MRS FAST at 7T

Fabian Niess

Dynamic multivoxel ^{31}P MRS

Martin Meyerspeer

Interleaved and simultaneous $^1\text{H}/\text{X}$ -Nuclear NMR

Martin Burian

Single loop coil for ^{31}P MR spectroscopy

Miloslav Drobný

Comparison of liver metabolism in healthy controls and in patients with various non-liver diseases using ^1H and ^{31}P MR spectroscopy

Saturday, May 23, 2015

8:30- 10:30 Scientific session 4

Andreas Berg

Ultra-short detection time Imaging (UTE) of the curing composites for dental care using T2* MR-microimaging on human UHF-scanner

Joachim Friske

Multimodal MR-Microimaging of Cartilage and connective Tissues

Vladimir Mlynárik

Glycosaminoglycan mapping in articular cartilage by chemical shift saturation transfer (CEST)

Benedikt Hager

Evaluation of the glycosaminoglycan content in healthy and degenerated menisci with gagCEST at 3T

Esau Poblador

Chemical exchange saturation transfer of Creatine in Muscle Tissue

Jaroslav Tintěra

Kinetic scenes perception in patients with multiple sclerosis: a fMRI study

11:00- 12:20 Scientific session 5

Jan Rydlo

StimSys: functional MRI Stimulation System

Pedro Cardoso

Clinical relevance of distortion correction in fMRI at 7 T

Barbara Dymerska

Dynamic distortion correction of single-echo EPI at 7T in the presence of substantial motion

Bernhard Strasser

(2+1)D-CAIPIRINHA accelerated brain MRSI at 7T



By H. Raab (User:Vesta) (Own work) [CC BY-SA 3.0 (<http://creativecommons.org/licenses/by-sa/3.0/>)], via Wikimedia Commons