

German-Japanese Radiological Affiliation

JGRA: Bi-Annual Meeting 2016 **Schedule of the scientific meeting**

Munich 2-6. June 2016

All lectures will be held at the Lecture Halls of the University Hospital
Klinikum rechts der Isar: Hörsaal Pavillon

Friday 3rd. June. **Location HS Pavillion**

8:00 - 8:30 participants registration

8.30 - 8:40 Opening: Susumu Kanazawa, Ernst Rummeny

1. Session: New developments Cross sectional imaging

Chairs: Kazuro Sugimura, Ernst Rummeny

- 8:40 - 8:52 Issues in CM-Application: low-kV scanning
Michael Lell, Erlangen University
- 8:52 - 9:04 Radiation dose, contrast medium dose and image quality at low
tube voltage CT for right adrenal vein: comparison with
conventional dynamic CT
*Kensuke Omura, Tohoku University Graduate School of
Medicine*
- 9:04 - 9:16 Effect of radiation dose reduction technique (iDose) in multi-slice
CT on radiation exposure and image quality
Marcus Katoh, Helios Klinikum
- 9:16 - 9:28 The road toward quantitative functional CT imaging: Is there a
use for dual-energy CT?
Wolfram Stiller, Heidelberg University
- 9:28 - 9:40 MDCT findings of lung adenocarcinoma in consideration of
EGFR mutation.
Katsunori Oikado, Cancer Institute Hospital, Ariake
- 9:40 - 9:52 Adenosine triphosphate stress dynamic perfusion CT imaging to
identify myocardial ischemia: correlation with coronary CTA and
invasive coronary angiography.
Enver Tahir, Hamburg University

9:52 - 10:04 Pulmonary Functional CT
Yoshiharu Ohno, Kobe University Graduate School of Medicine

10:04 - 10:10 Discussion

Key Note Lecture:

10:10 - 10:40 “Phase Contrast CT - Where are we?”
Franz Pfeiffer, TUM Munich

10:40 - 11:00 Coffee Break

2.1 Session: New developments in Nuclear Medicine

Chairs: Nagara Tamaki, Peter Bartenstein

11:00 - 11:12 Theranostics in prostate cancer with PSMA ligands
Peter Bartenstein, LMU Munich

11:12 - 11:24 Comparison of the diagnostic value of bone scintigraphy and 68Ga-PSMA PET for skeletal staging in prostate cancer
Shozo Okamoto, Hokkaido University

11:24 - 11:36 Impact of respiratory gating on PET/CT-based delineation of tumor volumes in lung cancer – A comparison with pathology
Carl-Martin Kirsch, Homburg

11:36 – 11:48 Pediatric Neuroblastoma Imaging: 123-I-MIBG-Uptake and Lab-Findings versus Histology
Thomas Pfluger, Munich

11:48 - 12:00 Multiple myeloma: whole body imaging with CT, MRI, and PET
Heinz Schlemmer, DKFZ Heidelberg

2.2 Session: New developments in Nuclear Medicine

Chairs: Teruhito Mochizuki, Heinz-Peter Schlemmer

12:00 - 12:12 Development of a novel software for calculating myocardial flow reserve from dynamic kinetic analysis using a cadmium-zinc-telluride SPECT.
Masao Miyagawa, Ehime University Hospital

12:12 - 12:24 Non-invasive quantification of the regional cerebral blood flow using 123I-IMP SPECT and flow measurement by phase contrast MRA.
Masanori Tadokoro, Fujita Health University

- 12:24 - 12:36 Hypertension: An Imaging Tool to Monitor Mean Pulmonary Arterial Pressure Longitudinally in patients with pulmonary hypertension.
Hideki Ota, Tohoku University Graduate School of Medicine
- 12:36 - 12:48 Comparison of 123I-IMP SPECT, 18F-FDG PET/CT, and 18F-FDOPA PET/CT in Detection of Choroidal Malignant Melanoma
Katsuhiko Kato, Nagoya University Graduate School of Medicine
- 12:48 - 13:00 Amyloid imaging in Japan
Kazunari Ishii, Kinki University Faculty of Medicine
- 13:00 – 13:12 Imaging and brain death
Otmar Schober, Heinrich Lanfermann, Muenster
- 13:12 -13:24 Cost effectiveness and quality of live in peripheral Interventions
Peter Reimer, Karlsruhe
- 13:24 - 13:30 Discussion

Key Note Lecture:

13:30 - 14:00 MR-PET - Quo vadis.
Markus Schwaiger, Munich

14:00 - 15:00 Lunch, End of sessions day 1

Sat. 4th. June 9.00 Scientific Sessions
Location HS Pavillon

3rd Session: Contrast agents

Chairs: Eiichi Sanuki, Johannes T Heverhagen

- 9:00 - 9:12 New development of MDCT liver imaging
Takamichi Murakami, Kinki University
- 9:12 - 9:24 Prostate carcinoma imaging
Peter Hallscheidt, Darmstadt
- 9:24 - 9:36 Contrast enhancement of perivascular space in basal ganglia
Shinji Naganawa, Nagoya University Graduate School of Medicine
- 9:36 – 9:48 The use of Primovist (Gd-EOB) for hepato-biliary MRI
Christoph Zech, University of Basel
- 9:48 - 10:00 MultiHance: why is it different?,
Johannes T Heverhagen, Bern
- 10:00 - 10:10 Discussion

4th Session: Neuroimaging

Chairs: Yoshiyuki Watanabe, Otmar Schober

- 10:10 - 10:22 CSF flow in multi-b-factor diffusion weighted image
Hiroshi Tanaka, Mina Kikaku
- 10:22 - 10:34 Quantitative Susceptibility Mapping in MRI:
Jan Sedlacik, Hamburg University
- 10:34 - 10:46 Evaluation of Chronic Inflammatory Demyelinating Polyneuropathy: 3D Nerve-Sheath Signal Increased with Inked Rest-Tissue Rapid Acquisition of Relaxation Enhancement Imaging (3D SHINKEI)
Akio Hiwatashi, Kyushu University
- 10:46 – 10:58 Retrospective Analysis for Tumor Malignancy of Gliomas: Correlation between ¹¹C-Methionine PET/CT and MRI Findings
Yoshiyasu Hiratsuka, Ehime University Graduate School of Medicine
- 11:00 - 11:20 Discussion

Key Note Lecture:

11:20 - 11:50 “Evaluation of the cross flow for anterior communicating artery aneurysms using 4D-Flow MRI”
Yoshiyuki Watanabe, Osaka University

11:50 - 13:00 Lunch

12.15 -13:00 Business meeting (Conference Room 1)

5th Session: Interventional Radiology

Chairs: Susumu Kanazawa, Christian Stroszczynski

13:00 - 13:12 Radiofrequency bipolar ablation therapy for primary aldosteronism patients -Investigator-initiated exploratory clinical trial-
Tomo Kinoshita, Tohoku University Graduate School of Medicine

13:12 - 13:24 The role of Interventional radiology in gastrointestinal bleedings
Gerd Nöldge, Heidelberg University

13:24 - 13:36 Super-selective arterial embolization with N-Butyl cyanoacrylate (NBCA) for colonic diverticular hemorrhage
Sokun Fuwa, Kawasaki Saiwai Hospital

13:36 – 13:48 Interventional treatment of complex aortoiliac aneurysms
Arno Buecker, University of Homburg

13:48 - 14:00 Shrinkage of renal cyst involved by iceball during cryoablation of renal cell carcinoma
Takao Hiraki, Okayama University

14:00 - 14:12 Embolisation of the prostate
Christian Stroszczynski, University of Regensburg

14:12 - 14:24 Preoperative endovascular embolization for hepatectomy and pancreatectomy: in relation to recent surgical treatment to cancer.
Eisuke Shibata, The University of Tokyo Hospital

14:24 - 14:36 Biocompatible Covered Stents
Thomas Schmitz-Rode, RWTH Aachen

14:36 - 14:48 Characteristics of Celect Vena Cava Filter and Flexible Introducer: Comparison of Post-Deployment Filter Tilt with Günther Tulip in the Experimental Model
Yusuke Matsui, Okayama University

14:48 - 15:00 Tumor pain – indications for minimally-invasiv treatments –
Frank Keil, Frankfurt Nordwest

15:00 - 15:12 Utility of Hybrid Operating Room for Interventional radiology
Tsuneo Ishiguchi, Aichi Medical University

15:12 – 15:20 Discussion

15:20 -15:45 Coffee Break

6. Session: Thorax/Abdomen/Bone, Specials

Chairs: Masahiko Kusumoto, Arno Buecker

15:45 - 15:57 Diagnostic value of Thallium-201 scintigraphy in differentiating malignant bone tumor from benign bone lesions
Ryota Inai, Okayama University

15:57 - 16:09 Detection of endoleaks after endovascular aneurysm repair using unenhanced MRI: feasibility study of motion-sensitized driven equilibrium-prepared balanced turbo field echo sequences
Kensaku Mori, Univ.of Tsukuba

16:09 - 16:21 Recent advances in diffusion weighted imaging
Kei Yamada, Kyoto Prefectural University of Medicine

16:21 - 16:33 Contrast enhanced Ultrasound
Dirk Clevert, Munich

16:33 - 16:45 Predicting re-tear after repair of full-thickness rotator cuff tear: 2-Point Dixon MR quantification of fatty muscle degeneration – Initial experience with 1-year follow-up
Taiki Nozaki, St.Luke's International Hospital

16:45 - 16:57 More than size: Shape and density predictors improving lung cancer screening specificity
Oliver Sedlacek, Heidelberg

16:57 - 17:09 Improved detection of lung nodules on chest radiographs by using bone suppression images
Masaki Matsusako, St. Luke's International Hospital

17:09 - 17:21 Non-contrast enhanced perfusion and ventilation imaging of the lung with MRI
Marc Wielpuetz, Heidelberg University

17:21 - 17:33 Tumor Volume of Thymic Epithelial Tumors Based on WHO Histological Classification
Noriyuki Tomiyama, Osaka University Graduate School of Medicine

17:33 – 17:45 Grooves on the hepatic surface: Corset liver or anatomical variants?
Yukihisa Saida, Tokyo Medical and Dental Univ.

17:45 - 17:57 Diffusion Tensor Imaging based Tractography of the myopathic and dystrophic skeletal muscle
Sarah Keller, Hamburg University

17:57 - 18:10 Discussion

18.10 End of Scientific sessions day 2

Sun. 5th. June

Location HS Pavillon

9.00 Scientific sessions

7. Session: Radio-Oncology

Chairs: Masahiro Hiraoka, Rainer Fietkau

9:00 - 9:12 The feasibility study of carbon ion radiotherapy (CIRT) on malignant pleural mesothelioma (MPM)
Tadaaki Miyamoto, Chiba Medical Association for workers

9:12 - 9:24 Results of stereotactic radiotherapy of meningiomas
Rainer Fietkau, Erlangen University

9:24 - 9:36 Review of adverse effects after stereotactic body radiotherapy for lung tumors: single institution experience
Kaori Asai, Kyushu University

9:36 - 9:48 Outcome of patients with local recurrent gynecologic malignancies after resection combined with intraoperative radiation (IORT)
Katja Lindel, Heidelberg University

09:48 – 10:00 Current Status of stereotactic body radiation therapy (SBRT) in Japan
Yasushi Nagata, Hiroshima University

10:00 - 10:12 Frequent occurrence of therapeutically reversible CMV-associated encephalopathy during radiotherapy of the brain
Nicole Goerig, University Erlangen

Key Note Lecture:

10:12 - 10:42 New developments in image guided radiotherapy
Daniel Habermehl; TUM Munich

10:42 – 11:00 Coffee Break

8. Session: Varia

Chairs: Yasuo Nakajima, Maximilian Reiser

11:00 - 11:12 MR-guided focused ultrasound for treatment of painful facet arthritis

Markus Dux, Frankfurt Nordwest

11:12 - 11:24 3 cases of inferior mesenteric arteriovenous malformation: their radiologic findings and clinical courses

Minobu Kamo, St.Luke's International Hospital

11:24 - 11:36 Imaging of scaffolds and tissue engineered vessels

Fabian Kiessling, RWTH Aachen

11:36 - 11:48 Endovascular treatment of cerebral vasospasm in patients

with subarachnoid haemorrhage

Naomi Larsen, University SH

11:48 - 12:00 Discussion

12.00 - 13:30 Lunch

9. Session: International Radiology and Exchange Program report:

Chairs: Hiroyuki Irie, Hiroshi Honda

13:30 - 13:55 "European Radiology"- contributions from global radiological researchers

Maximilian Reiser, LMU Munich

13:55 - 14:45 Reports from the exchange Program

14:45 Final remarks & end of Sessions day 3

Ernst Rummeny, Susumu Kanazawa