

7:30~8:30 Educational Seminar Breakfast I

Chair : Yuko Ono (Department of Diagnostic Imaging and Nuclear Medicine, Tokyo Women's Medical University)

Image diagnosis of spinal tumors

Toshiaki Taoka (Department of Radiology, Nara Medical University)

Imaging of spinal cord and spine: non-tumoral lesions

Harushi Mori (Department of Radiology, Graduate School and Faculty of Medicine, the University of Tokyo)

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8:30~9:01 Keynote Lecture, Session 9 “Functional MRI” (English Session)

Chairs : Akira Matsumura (Department of Neurosurgery, University of Tsukuba)

Shinji Naganawa (Department of Radiology, Nagoya University Graduate School of Medicine)

Keynote Lecture

K-02 Altered striatal functional connectivity in Parkinson disease

Yi-Ming Wu (Division of Neuroradiology, Department of Medical Imaging & Intervention Chang Gung Memorial Hospital at Linkou)

O-33 The relationships between walk speed and activity in supplementary motor area of the patients with limited mobility

Akira Matsushita (Center for Cybernetics Research, University of Tsukuba, Tsukuba, Japan)

O-34 Altered brain activation on functional MRI in water swallowing with or without metronome sound trigger

Takayuki Katsuura (Department of Radiology, Hyogo College of Medicine, Hyogo, Japan)

9:10~9:50 Session 10 “Anatomy · Physiology/Functional Disease/Contrast Medium/Other”

Chairs : Makoto Sasaki (Division of Ultrahigh Field MRI, Institute for Biomedical Sciences, Iwate Medical University)

Masayuki Maeda (Department of Radiology, Mie University School of Medicine)

O-35 Relationship between neuromelanin MRI and PET radiotracer binding to norepinephrine transporter in locus ceruleus

Hiroshi Kawaguchi (Molecular Imaging Center, National Institute of Radiological Sciences, Chiba, Japan)

O-36 Evaluation of focus laterality in temporal lobe epilepsy: A quantitative study comparing double inversion-recovery MR imaging at 3T with FDG-PET

Emiko Morimoto (Department of Radiology, Osaka Red Cross Hospital, Osaka, Japan)

O-37 Change in cerebral perfusion related epileptic seizure over time using 3D-arterial spin labeling (ASL)

Kazumi Matsuda (Shizuoka Medical Institute of Epilepsy and Neurological Disorders)

O-38 Association of hyperintense dentate nucleus with a history of gadolinium-based contrast medium: Does the chelated compound affect the signal intensity?

Tomonori Kanda (Department of Radiology, Teikyo University school of medicine, Tokyo, Japan)

O-39 Early CT signs in post cardiac arrest syndrome (PCAS) patients: temporal profile and prognostic significance

Joji Inamasu (Department of Neurosurgery, Fujita Health University School of Medicine)

9:50~10:22 Session 11 “Diffusion · Tensor · Perfusion Imaging”

Chairs : Haruo Isoda (Brain & Mind Research Center, Nagoya University)

Tomohiko Masumoto (Department of Radiology, University of Tsukuba)

O-40 Demonstration of the pyramidal tract and an acute cerebral infarct on one image by anisotropic diffusion-weighted MR imaging

Kazuhiro Tsuchiya (Department of Radiology, Tokyo Teishin Hospital, Tokyo, Japan)

O-41 Relationship between white matter integrity and cortisol levels in the first episode major depressive disorder: DTI study using TBSS

Xiaodan Liu (University of Occupational and Environmental Health, Department of Radiology)

O-42 Spastic hemiplegic cerebral palsy: anatomical asymmetries on diffusion tensor imaging correlates with clinical motor function

Shota Tatsumoto (Departments of Radiology, Kyoto City Hospital, Kyoto, Japan)

O-43 Time course of diffusion kurtosis in rat MCA occlusion model

Toshiaki Taoka (Department of Radiology, Nara Medical University, Nara, Japan)

10:30~11:10 Session 12 “Perfusion Imaging, Cerebral Blood Circulation 1”

Chairs : Toshiyuki Okubo (Department of Radiology, Teikyo University Chiba Medical Center)

Takashi Yoshiura (Department of Radiology, Graduate School of Medical and Dental Sciences, Kagoshima University)

O-44 Early clinical experience of MR perfusion imaging using 3D arterial spin labeling (ASL)

Ryo Ogawa (The Department of Radiology, Ehime Prefectural Central Hospital, Ehime, Japan)

O-45 The usefulness of ASL to follow up rCBF of bilateral MCA areas of patients affected with cerebrovascular occlusive disease

Yukio Akita (Department of Diagnostic Radiology, Tesseikai Neurosurgical Hospital, Shijonawate, Japan)

O-46 Evaluation of cerebrovascular reserve in chronic steno-occlusive disease by arterial spin labeling (ASL) perfusion MRI

Hidetoshi Ono (Department of Radiology, Nakamura Memorial Hospital)

O-47 Acetazolamide-challenge arterial spin labeling MR-perfusion in the evaluation of cerebrovascular reserve: comparison with acetazolamide-challenge SPECT using I-123-iodoamphetamine

Noriaki Tomura (Department of Neuroradiology, Southern Tohoku Research Institute for Neuroscience, Southern Tohoku General Hospital, Koriyama, Japan)

O-48 Usefulness of measuring cerebral transit delay for the patients with occlusive cerebrovascular disease

Yoji Tanaka (Department of Neurosurgery, Tokyo Medical and Dental University)

11:10~11:50 Session 13 “Perfusion Imaging, Cerebral Blood Circulation 2”

Chairs : Masahiro Ida (Department of Radiology, Tokyo Metropolitan Ebara Hospital)

Kazuhiro Oguchi (Radiology and Diagnostic Imaging Center, Aizawa Hospital, Matsumoto, Japan)

O-49 Evaluation of impaired cerebral perfusion in patients with dural arteriovenous fistulas presenting with cognitive impairment using perfusion MRI

Go Ikeda (Department of Neurosurgery, Faculty of Medicine, University of Tsukuba, Ibaraki, Japan)

O-50 Arterial spin labeling magnetic resonance imaging (ASL-MRI) for patients with Moyamoya disease - comparison with O15-PET -

Shoko Hara (Department of Neurosurgery, Musashino Red Cross Hospital, Tokyo, Japan)

O-51 Estimation of the cerebral blood volume using the cerebral noncontrast computed tomographic image

Takamitsu Uchizawa (Department of Neurosurgery, Hirosaki Stroke and Rehabilitation Center, Hirosaki, JAPAN)

O-52 Quantification of genetic and environmental influences on metabolic variety of human brain

Shinichiro Watanabe (Department of Nuclear Medicine and Tracer Kinetics, Osaka University Graduate School of Medicine, Osaka, Japan)

O-53 Difference in sensitivity and specificity of voxel-based statistical analysis to brain SPECT count reduction depending on attenuation correction methods

Hiroki Kato (Department of Nuclear Medicine and Tracer Kinetics, Osaka University Graduate School of Medicine, Osaka, Japan)

12:00~13:00 Luncheon Seminar II

Chair : Yukunori Korogi (Department of Radiology, University of Occupational and Environmental Health)

Imaging of head and neck emergencies

Osamu Sakai (Department of Radiology, Boston Medical Center, Boston University School of Medicine)

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Bracco Suisse S.A.

13:05~13:25 JSNR Annual Business Meeting

13:25~14:25 Special Lecture II

Chair : Jun Hatazawa (Department of Nuclear Medicine and Tracer Kinetics)

Synchronous MR-PET imaging in neuroradiology: from methodological innovations to clinical applications and future perspectives

Sotirios Bisdas (Department of Neuroradiology, Eberhard Karls University, Tübingen, Germany)

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14:25~15:25 Symposium II

Chairs : Jun Hatazawa (Department of Nuclear Medicine and Tracer Kinetics)

Hajime Kitagaki (Department of Radiology, Shimane University Faculty of Medicine)

S-04 The role of MRI: in the treatment strategy of dementia

Aya M.Tokumaru (Department of Diagnostic Radiology, Tokyo Metropolitan Medical Center of Gerontology)

S-05 Brain perfusion SPECT images for strategy of dementia treatment

Kazunari Ishii (Department of Radiology, Kinki University Faculty of Medicine, Osakasayama, Osaka, Japan)

S-06 The role of PET in the treatment strategy of dementia

Kenji Ishii (Team for Neuroimaging Research, Tokyo Metropolitan Institute of Gerontology)

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15:35~16:15 Session 14 "Pediatrics/Infection"

Chairs : Hidetsuna Utsunomiya (Department of Diagnostic Radiology, Momochihama Fukuoka Sanno Hospital)

Jun-ichi Takanashi (Department of Pediatrics, Kameda Medical Center)

O-54 Qualitative brain MRI at term equivalent age and the clinical outcome at one year of age after preterm birth

Katsumi Hayakawa (The Department of Diagnostic Radiology, Kyoto City Hospital)

O-55 Outcome assessment by MRI for the children with cerebral palsy risk and developmental coordination disorder

Katsumi Hayakawa (Department of Diagnostic Radiology Kyoto City Hospital)

O-56 Brain imaging analysis in Moebius syndrome

Yuta Fujii (The Department of Radiology, Kanagawa Children's Hospital, Kanagawa, Japan)

O-57 The correlation between lumbosacral skin lesions and closed spinal dysraphism in asymptomatic children

Hidekazu Aoki (Department of Radiology, Miyagi Children's Hospital, Sendai, Japan)

O-58 Radiological features of encephalopathy associated 2011 E. coli O111 outbreak in Japan

Junichi Takanashi (Department of Pediatrics, Kameda Medical Center, Kamogawa, Japan)

16:25~16:55 Afternoon Seminar

Chair : Toshihide Ogawa (Division of Radiology, Department of Pathophysiological and
Therapeutic Science, Faculty of Medicine, Tottori University)

Award lecture

Japanese Society of Neuroradiology award lecture

The 37th Japan Society for CNS computed imaging award lecture

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17:05~17:25 Poster 7 “Anatomy · Physiology / 3D Imaging”

Chair : Yuo Iizuka (Department of Radiology, Stroke Center, Ohashi Medical Center Toho University)

- P-25 Analysis of the draining course of occipital sinuses in adult using MR venography**
Akio Fukusumi (Department of Radiology, Nara City Hospital, Nara, Japan)
- P-26 4cases of the persistent left superior vena cava (PLSVC)**
Atsushi Inugami (Department of Radiology and Nuclear Medicine, Akita Kumiai General Hospital)
- P-27 MR imaging of the superior cervical ganglion: Normal appearance**
Hajime Yokota (Department of Radiology, Chiba University Hospital)
- P-28 Comparison of normal facial nerve detectability on Gd-enhanced three-dimensional-T1-weighted images at 3T using FLASH and SPACE**
Jun Haneda (Nagaoka Chuo General Hospital, Nagaoka, Japan)

17:25~17:50 Poster 8 “Cerebrovascular Diseases 1 / Advanced Technology 1”

Chair : Katsutoshi Takayama (Department of Radiology and Interventional Neuroradiology, Ishinkai Yao General Hospital)

- P-29 Evaluation of the reduction effect in the intracranial metal artifact using single energy metal artifact reduction technique on area-detector CT**
Kazuhiro Murayama (Dept. of Radiology, Fujita Health University, School of Medicine, Toyoake, Japan)
- P-30 Utility of 4D CT angiography using 320-detector row CT in evaluation of cerebral arteriovenous malformation**
Hiroyuki Tajiri (Shonan Kamakura General Hospital, Kamakura, Japan)
- P-31 Utility of CINEMA-FAIR as a diagnostic tool for intracranial AVM and AVF in comparison with CE-dMRA**
Akio Tsukabe (Diagnostic and Interventional radiology, Osaka University Graduate School of Medicine, Suita, Japan)
- P-32 Dural arteriovenous fistula of the orbital apex: case report**
Yoshiro Ito (Department of Neurosurgery, Tsukuba Medical Center Hospital, Ibaraki, Japan)
- P-33 A case of intracranial dural arteriovenous fistulas presenting as a progressive cognitive disorder with leukoencephalopathy**
Etsushi Iida (The department of Radiology, Graduate School of Medicine, Yamaguchi University, Ube, Japan)

17:50~18:15 Poster 9 “Cerebrovascular Diseases 2 / Advanced Technology 2”

Chair : Kazunori Tanohata (Department of Radiology, Kanagawa Prefectural Ashigara-Kami Hospital)

P-34 Cerebral arterial variations associated with moyamoya disease diagnosed by MRA

Akira Uchino (Department of Diagnostic Radiology, Saitama Medical University International Medical Center)

P-35 Evaluation of intracranial artery in patients with POEMS syndrome by magnetic resonance angiogram

Atsuhiko Sugiyama (Department of Neurology, Graduate School of Medicine, Chiba University, Chiba, Japan)

P-36 Comparison of the contrast of the black blood imaging

Tatsuya Gomi (Department of Radiology, Toho University Ohashi Medical Center)

P-37 Evaluation of intracranial arterial wall enhancement using iMSDE-VISTA sequence

Koichi Takano (Department of Radiology, Fukuoka University Faculty of Medicine)

P-38 Relationship between the intraplaque calcification on MRI and increase of HDL-C under LDL-C lowering statin therapy

Michimasa Suzuki (Dept. of Radiology, Juntendo University School of Medicine)

18:15~18:40 Poster 10 “Cerebrovascular Diseases 3”

Chair : Osamu Togao (Department of Clinical Radiology, Graduate School of Medical Sciences, Kyushu University)

P-39 Visualization of lenticulostriate arteries by flow-sensitive black-blood MR angiography on a 1.5 T MRI system

Sachi Okuchi (Department of Diagnostic Imaging and Nuclear Medicine, Kyoto University Graduate School of Medicine, Kyoto, Japan)

P-40 Fat-water interface on susceptibility weighted imaging

Akira Yamamoto (Department of Diagnostic Imaging and Nuclear Medicine, Graduate School of Medicine, Kyoto University, Kyoto, Japan)

P-41 Usefulness of R2* mapping by IDEAL IQ for vertebrobasilar dissection

Ayumi Kato (Division of Radiology, Department of Pathophysiological and Therapeutic Science, Faculty of Medicine, Tottori University)

P-42 Assessment for the crossed-cerebellar diaschisis in acute stroke by pulsed continuous arterial spin labeling (pCASL)

Yoshiyasu Hiratsuka (The Department of Radiology, Ehime University Graduate School of Medicine, Ehime, Japan)

P-43 Evaluation of the cerebral perfusion by using 3D-ASL and SWI in patients with chronic cerebrovascular disease: Comparison with I-123-Iodoamphetamine SPECT

Matakazu Furukawa (Department of Radiology, Yamaguchi Graduate School of Medicine)

17:05~17:35 Poster 11 “Brain Tumors 1”

Chair : Matakazu Furukawa (Department of Radiology, Graduate School of Medicine, Yamaguchi University)

- P-44 Renal cell carcinoma metastasis to a meningioma: A case report**
Maki Umino (Department of Radiology, Mie University School of Medicine, Mie, Japan)
- P-45 Xanthogranuloma of the sellar region**
Mariko Doai (Dept. of Radiology, Kanazawa Medical University, Ishikawa, Japan)
- P-46 A case of intracranial metastasis of recurrent parotid pleomorphic adenoma**
Jun Tazoe (Departments of Radiology, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto, Japan)
- P-47 A case of central nervous system lymphoma that showed spontaneous regression**
Hiroyuki Aburano (Department of Radiology, University of Kanazawa, Kanazawa, Japan)
- P-48 CLIPPERS can be an initial presentation of primary CNS lymphoma**
Toshiaki Akashi (Department of Radiology, Nara Medical University, Nara, Japan)
- P-49 Two cases of malignant lymphoma with prominent intratumoral low intensity on susceptibility weighted image**
Takahiro Otani (The Department of Radiology, Akita University School of Medicine, Akita, Japan)

17:35~18:00 Poster 12 “Brain Tumors 2”

Chair : Shuichi Higano (Sendai Radiation Oncology & Imaging Clinic)

- P-50 Usefulness of three-dimensional contrast enhanced multisection motion sensitized driven equilibrium for primary malignant brain tumors**
Masafumi Kanoto (Department of Diagnostic Radiology, Yamagata University Faculty of Medicine)
- P-51 Noninvasive evaluation of electrical conductivity of the brain tumors by MRI**
Khin Khin Tha (Department of Radiobiology and Medical Engineering, Hokkaido University Graduate School of Medicine, Japan)
- P-52 Metastatic brain tumors not detected by FDG-PET/CT**
Kazuyasu Aita (Department of Neurosurgery, Kyoto Prefectural University of Medicine, Kyoto, Japan)

P-53 The usefulness of C-11 methionine PET for primary brain tumor: Diagnostic value for tumor grading

Mana Ishibashi (Department of Nuclear Medicine and Tracer Kinetics, Osaka University Graduate School of Medicine, Osaka Japan)

P-54 Use of methionine-PET imaging to monitor the effectiveness of bevacizumab treatment for glioblastoma - a report of 2 cases-

Reina Kawanami (Department of Neurosurgery, Tokyo Medical and Dental University, Tokyo, Japan)

18:00~18:20 Poster 13 "Spine"

Chair : Futoshi Mihara (Department of Radiology, Fukuoka Higashi Medical Center)

P-55 Postoperative disseminated hemangioblastomatosis without von Hippel-Lindau disease. Report of two cases

Tomohito Higuchi (Department of Radiology, Mie University, Mie, Japan)

P-56 A case of Gowers intrasyringal hemorrhage like changes post operation to the post operative progressive syringomyelia

Makiko Hiratsuka (Department of a radiology, Saitama Medical University Hospital, Saitama, Japan)

P-57 A case of duplicated cervical lamina with myelopathy

Hitoshi Aiyama (Department of Spinal Surgery, Kameda Medical Center, Chiba, Japan)

P-58 Usefulness of conebeam CT for diagnosis of spinal arteriovenous fistula

Satoshi Takahashi (The Department of Radiology, Akita University School of Medicine, Akita, Japan)

18:20~18:40 Poster 14 "Neurointervention"

Chair : Ichiro Nakahara (Department of Neurosurgery, Stroke Center, Kokura Memorial Hospital)

P-59 Midterm outcomes of endovascular treatment in unruptured superiorly projecting paraclinoid aneurysms

Yasushi Matsumoto (Department of Neuroendovascular Therapy, KOHNAN Hospital, Sendai, Japan)

P-60 Arteriovenous fistula of the cavernous sinus treated with transarterial embolization through the fistulous point from Accessory meningeal artery: case report

Masahiro Matsumoto (Department of Neurosurgery, Tatebayashi Kosei Hospital, Gunma, Japan)

P-61 A case of direct traumatic carotid cavernous fistula treated with transarterial embolization with single procedure by using hydro gel coils

Hideaki Matsumura (Department of Neurosurgery, Faculty of Medicine, University of Tsukuba, Ibaraki, Japan)

P-62 Cerebrofacial arteriovenous metamerism (CFAVM) syndrome

Yuo Iizuka (Department of Radiology, Stroke Center, Ohashi Medical center Toho University)

17:05~17:25 Poster 15 “Infection/Inflammatory · Demyelinating Diseases 1”

Chair : Noriharu Yanagimachi (Department of Radiology , Tokai University School of Medicine)

- P-63 HIV-related cryptococcal meningoencephalitis with prominent meningeal and parenchymal abnormalities. A case report**
Yasumasa Nippashi (Department of Radiology, the University of Tokyo Hospital, Tokyo, Japan.)
- P-64 Neuroimaging diagnosis for invasive paranasal sinus aspergillosis**
Masahiko Tosaka (Department of Neurosurgery, Gunma University Graduate School of Medicine, Maebashi, Japan)
- P-65 A case of ADEM with not hemorrhagic high signal lesions on T1 weighted images of MRI**
Yusuke Kawanaka (Department of Radiology, Hyogo College of Medicine, Hyogo, Japan)
- P-66 Low signal intensity on SWI in two cases of progressive multifocal leukoencephalopathy: A new finding suggesting iron accumulation ?**
Mai Miyagawa (Department of Radiology, Mie University School of Medicine, Mie, Japan)

17:25~17:45 Poster 16 “Infection/Inflammatory · Demyelinating Diseases 2”

Chair : Kentaro Ida (Department of Radiology, Okayama University Hospital)

- P-67 MR imaging & spectroscopy of a case of recurrent mild encephalopathy of reversible splenial & white matter lesions with transiently reduced diffusion**
Fumiaki Ueda (Department of Radiology, Kanazawa University Hospital)
- P-68 A case of Marchiafava-Bignami disease with cerebral cortical lesion**
Takayuki Kosaka (Department of Neurology, National Hospital Organization Kumamoto Medical Center, Kumamoto, Japan)
- P-69 Two cases of adult form globoid cell leukodystrophy (Krabbe disease)**
Hiroyuki Tatekawa (Department of Radiology, Osaka City University, Osaka, Japan)
- P-70 Superficial siderosis of the central nervous system cause of dural pathology: case report**
Naomi Honjo (Department of Radiology, Osaka Neurosurgical Hospital, Kagawa, Japan)

17:45~18:05 Poster 17 “Infection/Inflammatory · Demyelinating Diseases 3”

Chair : Yoshihiro Toyama (Department of Radiology, Faculty of Medicine, Kagawa University)

P-71 A case of Erdheim-Chester disease with multiple involvements including brain and pituitary gland

Miki Yasuoka (Regidency Program, Kochi Health Science Center, Kochi, Japan)

P-72 A case of neurosarcoidosis with multiple intracerebral hemorrhages

Hiroki Mukai (Department of Radiology, Chiba University Hospital, Chiba, Japan)

P-73 A case of acute fluoroacetamide intoxication

Takashi Okazaki (Department of Diagnostic Radiology, Tokai University School of Medicine, Isehara, Japan)

P-74 MR imaging of delayed neuropsychiatric sequelae after acute carbon monoxide poisoning

Makoto Ochi (Department of Radiology, Nagasaki Kita Hospital, Nagasaki, Japan)

18:05~18:30 Poster 18 “Traumatic Disorders/Functional Disease/Other”

Chair : Satoru Iwasaki (Department of Radiology, Higashiosaka City General Hospital)

P-75 Adult transthemoidal meningoencephalocele

Keiko Toyoda (Department of Radiology, Teikyo University School of Medicine)

P-76 A case of orbital lymphangioma

Naruhide Kimura (Department of Radiology, Faculty of Medicine, Kagawa University, Kagawa, Japan)

P-77 Clinical evaluation of brain MRI-DWI abnormality in the patients with epileptic status

Yasushi Kita (Neurology Service, Hyogo Brain and Heart Center at Himeji)

P-78 Temporal lobe epilepsy with unilateral amygdala enlargement: morphometric MR analysis with clinical and pathological study

Yukio Kimura (Department of Radiology, Jichi Medical University, Shimotsuke, Tochigi, Japan)

P-79 The presurgical evaluation of patients with refractory focal epilepsy by using perfusion imaging of 3D arterial spin labeling (ASL)

Yasukiyo Araki (Shizuoka Institute of Epilepsy and Neurological Disorders)

Educational Exhibition

E-01 ASL-MRI in acute stroke

Tomoyuki Noguchi (Dept. of Radiology, Faculty of Medicine, Saga University)

E-02 The evaluation of the cerebrospinal fluid flow dynamics using Time-spatial labeling inversion pulse technique

Masako Komori (Department of Radiology, Fujita Health University School of Medicine, Toyoake, Japan)

E-03 Imaging features of autoimmune encephalitis

Akira Higashiyama (Department of Radiology, Osaka Medical College, Osaka, Japan)

E-04 Carbon monoxide intoxication, common and uncommon MR findings

Noriharu Yanagimachi (Department of Diagnostic Radiology , Tokai University School of Medicine, Isehara, Japan)

E-05 Effects of various factors on MR diffusional metrics

Masaaki Hori (Department of Radiology, Juntendo University School of Medicine, Tokyo, Japan)