

Scientific Program

6th Sep (Thu.)

09:30-09:32	<i>Opening Remarks</i>	Hiroko Tsunoda
09:32-10:18	Breast imaging 1	Moderators: Gunilla Svane and Eriko Tohno
10:18-10:50	Breast imaging 2	Moderators: Brigitte Wilczek and Nachiko Uchiyama
10:50-11:00	<i>Break</i>	
11:00-11:40	Imaging Techniques	Moderators: Susanne Mueller and Ryo Takagi
11:40-11:50	<i>Break</i>	
11:50-12:50	Luncheon	Moderator: Edward Azabedo
12:50-13:38	Neuroimaging and PET	Moderators: Takaaki Hosoya and Rimma Axelsson
13:38-14:18	Chest and musculoskeletal imaging	Moderators: Yoshio Monzen and Per Kristian Hol
14:18-14:30	<i>Break</i>	
14:30-15:10	Intervention 1	Moderators: Toshi Hashimoto and Bertil Svane
15:10-15:50	Intervention 2	Moderators: Masato Yamaguchi and Michael Åkesson
15:50-16:22	Intervention 3	Moderators: Tetsuhisa Yamada and Finn Mathiesen
16:22-16:32	<i>Break</i>	
16:32-16:48	Study abroad experiences	Moderators: Peter Aspelin and Takahiro Kozuka
16:48-17:04	Contrast media	Moderators: Hiroshi Kondoh and Kyoko Sakata Rasmussen
17:04-17:36	PACS	Moderators: Norio Nakata and Hannu J Aronen

7th Sep (Fri.)

09:30-10:02	Abdominal imaging 1	Moderators: Takuya Ueda and Nils Albiin
10:02-10:26	Abdominal imaging 2	Moderators: Satoru Murata and Gaute Hagen
10:26-10:40	<i>Break</i>	
10:40-12:00	Special Session	Moderator: Yukihiisa Saida
12:00-12:10	<i>Break</i>	
12:10-13:10	Luncheon	Moderator: Yoshito Tsushima
13:10-14:05	Radiology management and education	Moderators: Yasuo Nakajima and Frode Lærum
14:05-14:15	<i>Break</i>	
14:15-14:47	Emergency radiology 1	Moderators: Kazunori Kuroki and Sami Kajander
14:47-15:27	Emergency radiology 2	Moderators: Hiroyuki Tajima and Bertil Leidner
15:27-15:40	<i>Break</i>	
15:40-16:20	Special Session on Computer-aided Detection/Diagnosis (CAD)	Moderators: Hiroshi Fujita and Jarmo Reponen
16:20-16:22	<i>Closing Remarks</i>	Hannu J Aronen: Next Chairman

6th Sep (thu.)

09:30-09:32 **Opening Remarks** **Hiroko Tsunoda**

09:32-10:18 **Breast imaging 1**
Moderators: Gunilla Svane and Eriko Tohno

1: 23 years experience of Mammography Screening in Stockholm

Edward Azavedo

Associate Professor, Department of Radiology, Karolinska University Hospital, Stockholm, Sweden

2: Breast Cancer Screening Program in Stockholm County

Gunilla Svane

Department of Radiology, Karolinska University Hospital and Karolinska Institute

3: Reduction of the Recall Rate of Screening Mammography by Combination of Ultrasound

Eriko Tohno¹⁾, Takeshi Umemoto²⁾, Kyoko Sasaki²⁾, Isamu Morishima²⁾ and Ei Ueno¹⁾

¹⁾Total Health Evaluation Center Tsukuba

²⁾Tsukuba Medical Center Hospital

4: Pitfalls in screening mammography at S:tGoran's mammography- department, Unilabs, Stockholm, Sweden

Brigitte Wilczek MDPH, Marina Janicijecic MD, Kjell Hagemo MD,

Karin Thorneman MD, Karin Leifland MDPH

Karolinska Institutet

10:18-10:50 **Breast imaging 2**
Moderators: Brigitte Wilczek and Nachiko Uchiyama

5: Diagnostic Impact of Adjunction of Digital Breast Tomosynthesis to Full Field Digital Mammography (DBTFFDM) and in Comparison with Full Field Digital Mammography (FFDM)

Nachiko Uchiyama MD¹⁾, Takayuki Kinoshita MD²⁾, Takashi Hojo MD²⁾, Sota Asaga MD²⁾,
Junko Suzuki MD²⁾, Yoko Kawawa MD³⁾, Minoru Machida MD¹⁾, Kyoichi Otsuka⁴⁾

¹⁾Research Center for Cancer Prevention and Screening, National Cancer Center, Tokyo, Japan

²⁾Department of Breast Surgery, National Cancer Center, Tokyo, Japan

³⁾Atsugi City Hospital, Kanagawa, Japan

⁴⁾Siemens Japan K.K.

6: Preclinical Trial of the Breast Imaging with Talbot-Lau Interferometry

Tokiko Endo^{1) 2)}, Mikinao Ooiwa^{1) 2)}, Misaki Shiraiwa^{1) 2)}, Takako Morita^{1) 3)}, Shu Ichihara^{1) 4)}
Yasuyuki Sato⁵⁾, Junko Kiyohara⁶⁾, and Sumiya Nagatsuka⁶⁾

¹⁾Department of Advanced Diagnosis, National Hospital Organization Nagoya Medical Center Clinical Research Center

²⁾Department of Radiology, National Hospital Organization Nagoya Medical Center

³⁾Department of Breast Diagnosis, National Hospital Organization Nagoya Medical Center

⁴⁾Department of Pathology, National Hospital Organization Nagoya Medical Center

⁵⁾Department of Surgery, National Hospital Organization Nagoya Medical Center

⁶⁾Konica Minolta Medical & Graphic, Inc.

7: Pure and Mixed Types of Mucinous Carcinoma of the Breast: Correlation of Mammographic, Ultra-sonographic and MR Imaging Features with Histologic Findings

Eiko Hisatomi¹⁾, Roka Namoto-Matsubayashi¹⁾, Shino Harada¹⁾, Kana Tsutsui¹⁾, Ryozo Kai¹⁾, Akihiko Kutsuna¹⁾, Shuji Matsuura¹⁾, Kiyomi Furuya¹⁾, Seiya Momozaki²⁾, Yoshifuku Nakayama²⁾, Terhiko Fujii³⁾, Kotaro Yasumori¹⁾

¹⁾Department of Radiology, Kyushu Medical Center

²⁾Department of Pathology, Kyushu Medical Center

³⁾Department of Surgery, Kyushu Medical Center

8: Prospective evaluation of planar bone scintigraphy, SPECT/CT, 18F NaF PET/CT and whole body 1.5T MRI for detection of bone metastases in high risk breast and prostate cancer patients

Ivan Jambor MD¹⁾, Anna Kuisma MD²⁾, Riikka Huovinen MD PhD²⁾, Minna Sandell MD¹⁾, Joakim Auren MD³⁾, Sami Kajander MD PhD³⁾, Jukka Kemppainen MD PhD³⁾, Seppo Pyrhonen MD PhD²⁾, Jani Saunavaara Msc PhD¹⁾, Marko Seppanen MD PhD⁵⁾, Hannu J. Aronen MD PhD¹⁾

¹⁾Department of Diagnostic Radiology, University of Turku, Turku, Finland

²⁾Department of Oncology and Radiotherapy, University of Turku, Turku Finland

³⁾Department of Clinical Physiology and Nuclear Medicine, Turku University Hospital

⁴⁾Turku PET Centre, Turku, Finland

⁵⁾Department of Clinical Physiology and Nuclear Medicine, Turku University Hospital, Turku, Finland

10:50-11:00 **Break**

11:00-11:40 **Imaging Techniques**
Moderators: Susanne Mueller and Ryo Takagi

9: Clinical evaluation of EC/IC bypass surgery using a radial artery graft with 4D-flow MRI

Ryo Takagi, MD¹⁾, Tetsuro Sekine, MD¹⁾, Yasuo Amano, MD¹⁾, Yasuo Murai, MD²⁾, Yoshio Matsumura, RT¹⁾, Shinichiro Kumita, MD¹⁾, Akira Teramoto, MD²⁾

¹⁾Department of Radiology, Nippon Medical School, Tokyo, Japan

²⁾Department of Neurosurgery, Nippon Medical School, Tokyo, Japan

10: Characteristics of cervical computed tomography findings in Kawasaki Disease: a single center experience

Natsumi Katsumata, MD¹⁾, Jun Aoki, MD, PhD²⁾, Masahiko Tashiro, MD, PhD²⁾, Ayako Taketomi-Takahashi, MD, PhD¹⁾, Yoshito Tsushima, MD, PhD¹⁾

¹⁾Gunma University Hospital, Gunma, Japan

²⁾Gunma General Hospital, Gunma, Japan

11: Estimation of Diagnostic Reference Level for Optimisation of Radiation Exposure from Computed Tomography

Yasuhiro Fukushima RT, MS¹⁾, Hiroyuki Takei RT, MS²⁾, Ayako Taketomi-Takahashi MD¹⁾, Yoshito Tsushima MD¹⁾

¹⁾Department of Diagnostic Radiology and Nuclear Medicine, Gunma University Graduate School of Medicine

²⁾Department of Radiology, Gunma University Hospital

12: MRI safety of common dental materials

Finn Kristian Mathiesen¹⁾, Hanne Hintze²⁾

¹⁾Section of Neuroradiology, Department of Radiology, Vejle Hospital, Denmark

²⁾Department of Oral Radiology, School of Dentistry, Faculty of Health Sciences, University of Aarhus, Denmark

13: Magnetic resonance imaging of patients with cochlear implant

Susanne Mueller, MD, PhD

Department of Clinical Science, Intervention and Technology at Karolinska Institutet, Division of Medical Imaging and Technology, Stockholm, Sweden and Department of Radiology, Karolinska University Hospital in Huddinge, SE-14186 Stockholm, Sweden.

11:40-11:50 **Break**

11:50-12:50 **Luncheon**
Moderator: Edward Azabedo

Photon counting and single shot spectral mammography

Mats Danielsson, Professor, Physics of Medical Imaging, the Royal Institute of Technology, Stockholm, Sweden

12:50-13:38 **Neuroimaging and PET**
Moderator: Takaaki Hosoya and Rimma Axelsson

14: Visual assessment of medial temporal lobe atrophy in dementia

Lena Cavallin

Dept of Radiology Karolinska University Hospital Huddinge, CLINTEC

15: Preliminary technical assessment of ¹¹C-Pittsburgh Compound-B PET (PIB PET) imaging in different image display conditions.

Kazuhisa Tsuda¹⁾, Tetsuya Higuchi²⁾, Sayaka Kodaira²⁾, Yukiko Arisaka²⁾, Azusa Tokue²⁾, Ayako Shimazaki¹⁾, Syougo Tan¹⁾, Hidenori Otake²⁾, Hirotaka Shimada¹⁾, Yoshito Tsushima²⁾

¹⁾Division of Clinical Radiology, Gunma University Hospital, Maebashi, Gunma, JAPAN

²⁾Department of Diagnostic Imaging and Nuclear Medicine, Gunma University Graduate School of Medicine, Maebashi, Gunma, JAPAN

16: Incremental value of I-123 MIBG SPECT/CT over FDG-PET in the evaluation of malignant pheochromocytoma

Tetsuya Higuchi, M.D.¹⁾, Akie Takano, M.D.²⁾, Azusa N. Tokue, M.D.¹⁾, Yukiko Arisaka, M.D.¹⁾, Sayaka Kodaira, M.D.¹⁾, Yoshito Tsushima, M.D.¹⁾

¹⁾Department of Nuclear Medicine and Diagnostic Imaging, Gunma University Graduate School of Medicine, Maebashi, Gunma, JAPAN

²⁾Tomioka General Hospital, Tomioka, Gunma, JAPAN

17: Incremental value of L-3- [¹⁸F]-fluoro-alpha-methyl tyrosine (FAMT) PET for the accurate evaluation of bone marrow invasion in patients with oral squamous cell carcinoma; Comparison with FDG-PET and MRI.

Mai Kim, Tetsuya Higuchi, Yukiko Arisaka, Azusa Tokue, Sayaka Kodaira, Go Miyashita, Hidetaka Miyazaki, Akihide Negishi, Satoshi Yokoo, Yoshito Tsushima
Department of Diagnostic Radiology and Nuclear Medicine, Gunma University Graduate School of Medicine

18: PET/MRI: Advanced Care Requires Advanced Imaging

Sami Kajander, Mika Teräs
Turku PET Centre, Turku University Hospital, Turku, Finland

19: Attempt to render the trochlear nerve by high resolution turbo spin echo multislice motion-sensitized driven-equilibrium (MSDE)

Masafumi Kanoto MD, PhD, Yuuki Toyoguchi MD, Atsuko Oda MD, Takaaki Hosoya MD, PhD
Department of Diagnostic Radiology, Faculty of Medicine, Yamagata University

**13:38-14:18 Chest and musculoskeletal imaging
Moderators: Yoshio Monzen and Per Kristian Hol**

20: Combined use of PET and Volume Doubling Time in Lung Cancer Screening with low dose CT

Ashraf H¹⁾²⁾, Mortensen J³⁾, Dirksen A⁴⁾, Loft A³⁾, Bertelsen AK³⁾, Bach KS²⁾, Hansen H²⁾, Pedersen JH⁵⁾
¹⁾Department of Radiology, Akershus University Hospital, Loerensskog, Norway.
²⁾Department of Radiology, Gentofte University Hospital, Denmark
³⁾Department of Clinical Physiology, Nuclear Medicine and PET, Rigshospitalet, University of Copenhagen, Denmark
⁴⁾Department of Respiratory, Medicine, Gentofte University Hospital, Denmark
⁵⁾Department of Thoracic, Surgery RT, Rigshospitalet, University of Copenhagen, Denmark

21: Perfusion evaluation of lung cancer: assessment by using dual-input perfusion CT

Sachiko Nakano, MD¹⁾, Junko Gibo, MD²⁾, Yasuhiro Fukushima, MS, RT³⁾
Kei Shibuya¹⁾, Kyoichi Kaira, MD⁴⁾, Noriaki Sunaga, MD⁴⁾, Ayako Taketomi-Takahashi, MD¹⁾, Yoshito Tsushima, MD¹⁾, Masatomo Mori, MD⁴⁾
¹⁾Department of Diagnostic Radiology and Nuclear Medicine, Gunma University Hospital, Maebashi, Gunma, Japan.
²⁾Department of Diagnostic Radiology, Ageo Central Hospital, Ageo, Saitama, Japan.
³⁾Department of Radiology, Gunma University Hospital, Maebashi, Gunma, Japan.
⁴⁾Department of Medicine and Molecular Science, Gunma University Graduate School of Medicine, Japan.

22: Allergic bronchopulmonary aspergillosis concomitant with nontuberculous mycobacterial pulmonary infection

Hirohiko Ito, M. D.
Takahata Municipal Hospital, Takahata, Yamagata, Japan

23: Bismuth Breast Shield and Adaptive Statistical Iterative Reconstruction (ASIR) in Coronary CT Angiography: Lower Dose without Loss in Image Quality

Jussi Tuomi, MSc, Sami Kajander, MD, PhD, Antti Saraste, Adj.prof, Juhani Knuuti, Prof.
Turku PET Centre, Turku University Hospital, Turku, Finland

24: Utility of quantification of fatty degeneration within supraspinatus muscle by using Dixon technique of MRI

Taiki Nozaki¹⁾, Atsushi Tasaki²⁾, Chiharu Osakabe¹⁾, Junko Ochi¹⁾, Yasushi Ishida³⁾,
Yukihisa Saida¹⁾

¹⁾Department of Radiology, St.Luke's International Hospital

²⁾Department of Orthopaedics, St.Luke's International Hospital

³⁾Department of Clinical Epidemiology, St.Luke's International Hospital

14:18-14:30 **Break**

14:30-15:10 **Intervention1**
Moderators: Toshi Hashimoto and Bertil Svane

25: MR-guided High Intensity Focused Ultrasound in treatment of liver malignancies

Per Kristian Hol, Airazat Kazaryan, Frederic Courivaud, Alice Lund, Peter Jebsen,
Per Steinar Halvorsen, Erik Fosse, Bjorn Edwin
The Intervention Centre, Oslo University Hospital Rikshospitalet, Oslo, Norway

26: Assessment for extrahepatic collateral development and time course of liver function after coil embolization of proper hepatic artery

Minako Takeda, Satoru Murata, Ken Nakazawa, Shiro Onozawa, Takahiko Mine, Tatsuo Ueda,
Fumie Sugihara, Hidenori Yamaguchi, Ayako Akiba, Daisuke Yasui, Izumi Miki,
Shinichiro Kumita
Dept. Radiology of Nippon Medical School

27: Retrograde Outflow Percutaneous Isolated Hepatic Perfusion for Advanced Liver malignancies

Satoru Murata¹⁾, Shiro Onozawa¹⁾, Takahiko Mine¹⁾, Tatsuo Ueda¹⁾, Yamaguchi Hidenori¹⁾,
Fumie Sugihara¹⁾, Ayako Akiba¹⁾, Daisuke Yasui¹⁾, Shin-ichiro Kumita¹⁾, Anders Lunderquist²⁾, and
Krassi Ivanchev³⁾

¹⁾Department of Radiology/Centre for Advanced Medical Technology, Nippon Medical School, Tokyo, Japan

²⁾Dept. of Radiology, Lund Malmoe Hospital, Malmoe, Sweden

³⁾Dept. of Radiology, London University, London, England.

28: A Comparative Study on the Antitumor Efficacy of Miriplatin-Lipiodol Suspension and Cisplatin-Lipiodol Suspension for Hepatocellular Carcinoma in Transcatheter Arterial Chemoembolization

Tatsuo Ueda, Satoru Murata, Hiroyuki Tajima, Ken Nakazawa, Shiro Onozawa, Takahiko Mine,
Hidenori Yamaguchi, Fumie Sugihara, Ayako Akiba, Daisuke Yasui, Minako Takeda,
Izumi Miki, Shinichiro Kumita
Department of Radiology, Nippon Medical School

29: Combination of transcatheter arterial chemoembolization and transcatheter portal chemoembolization during portal vein occlusion for unresectable hepatocellular carcinoma with large arterioportal shunts: a case report.

Fumie Sugihara¹⁾, Satoru Murata¹⁾, Ken Nakazawa¹⁾, Shiro Onozawa¹⁾, Hidenori Yamaguchi¹⁾, Ayako Akiba¹⁾, Daisuke Yasui¹⁾, Izumi Miki¹⁾, Minako Takeda¹⁾, Fumio Uchiyama²⁾, Jun Watari²⁾, Shinichiro Kumita¹⁾

¹⁾Dept. of Radiology, Nippon Medical School.

²⁾Dept. of Radiology, Ebina General Hospital.

15:10-15:50

Intervention2

Moderators: Masato Yamaguchi and Michael Åkesson

30: The strategy of endovascular therapy to renal arteriovenous malformation (AVM)

Ayako Akiba, Satoru Murata, Ken Nakazawa, Shirou Onozawa, Hidenori Yamaguchi, Fumie Sugihara, Daisuke Yasui, Minako Takeda, Izumi Miki, Shinichiro Kumita, Ichirou Matsuzawa

Department of Radiology, Nippon Medical School Hospital

31: Balloon-assisted Detachable Coil Embolization of Wide-necked Saccular Renal Artery Aneurysm

Tetsuhisa Yamada, Akiyoshi Yamashita, Akinori Harada

Japanese Red Cross Medical Center, Department of Radiology

32: Mid-term Results of the Zenith Aortic Stent-Graft for Abdominal Aortic Aneurysm

Hiroyuki Tajima¹⁾, Tadashi Kaneshiro¹⁾, Naoko Takenoshita¹⁾, Taro Ichikawa¹⁾, Takahiko Mine¹⁾, Tatsuo Ueda¹⁾, Shiro Onozawa¹⁾, Ken Nakazawa¹⁾, Satoru Murata¹⁾, Ryo Takagi¹⁾, Hiroshi Kawamata¹⁾, Natsuki Tajima¹⁾, Toshiko Hoshina²⁾, Yuji Maruyama²⁾, Hajime Imura²⁾, Ryuzo Bessho²⁾, Masami Ochi²⁾

¹⁾Departments of Radiology, Nippon Medical School, JAPAN

²⁾Departments of Cardiovascular Surgery, Nippon Medical School, JAPAN

33: Current situation of below the knee intervention in the patients of CLI (Critical limb ischemia) in Japan

Tomoyasu Sato

Tsuchiya general hospital, Hiroshima, Hiroshima, Japan.

34: Going subintimal - not the end of the world

Michael Åkesson M.D.

MedPACS Network AB

15:50-16:22

Intervention3

Moderators: Tetsuhisa Yamada and Finn Mathiesen

35: The role of NBCA-TAE for gastroduodenal ulcer bleeding; Contribution for hemodynamics and healing process of ulcer

Takahiko Mine¹⁾, Satoru Murata²⁾, Hiroyuki Tajima³⁾, Hiroshi Kawamata¹⁾, Ken Nakazawa²⁾, Shiro Onozawa²⁾, Tatsuo Ueda²⁾, Hidenori Yamaguchi²⁾, Fumie Sugihara²⁾, Ayako Akiba²⁾, Minako Takeda²⁾, Izumi Miki²⁾, Susumu Okada¹⁾, Shinichiro Kumita²⁾

¹⁾Department of Radiology, Nippon Medical School Chiba Hokusoh Hospital

²⁾Department of Radiology, Nippon Medical School

³⁾Center for Minimally Invasive Treatment, Nippon Medical School Musashikosugi Hospital.

36: Endovascular treatment strategy for severe portal vein thrombosis

Daisuke Yasui, Satoru Murata, Ken Nakazawa, Shirou Onozawa, Hidenori Yamaguchi, Fumie Sugihara, Ayako Akiba, Izumi Miki, Minako Takeda, Hiromitsu Hayashi, Shinichiro Kumita

Department of Radiology, Nippon medical School

37: Effect of head rotation on the position and the form of right internal jugular vein

Izumi Miki, Satoru Murata, Takahiko Mine, Hiroyuki Tajima, Ken Nakazawa, Shiro Onozawa, Tatsuo Ueda, Hidenori Yamaguchi, Fumie Sugihara, Ayako Akiba, Tetsuro Sekine, Daisuke Yasui, Minako Takeda, Shinichiro Kumita

Department of Radiology/ Center for Advanced Medical Technology, Nippon Medical School

38: Clinical usefulness of right adrenal venous detection with thin slice CT for adrenal venous sampling

Hidenori Yamaguchi, Shiro Onozawa, Hiroyuki Tajima, Takahiko Mine, Satoru Murata, Ken Nakazawa, Fumie Sugihara, Izumi Miki, Hitoshi Sugihara, Hiromitsu Hayashi and Shin-ichiro Kumita

Department of Radiology, Nippon Medical School

16:22-16:32 **Break**

16:32-16:48 **Study abroad experiences**
Moderators: Peter Aspelin and Takahiro Kozuka

39: A valuable experience -- studies from Denmark

Megumi Kuchiki, Takaaki Hosoya

Department of Diagnostic Radiology, Faculty of Medicine, Yamagata University

40: Memories in Scandinavia

Shiro Onozawa

Department of Radiology/Center for Advanced Medical Technology, Nippon Medical School

16:48-17:04 **Contrast media**
Moderators: Hiroshi Kondoh and Kyoko Sakata Rasmussen

41: Effect of Medrol premedication for patients with a history of prior adverse reaction of contrast media or bronchial asthma.

Jingu A, Hukuda J, Taketomi-Takahashi A, Tsushima Y

Department of Diagnostic Radiology and Nuclear Medicine, Gunma University Hospital

42: A Preliminary Report on EGFR-targeted PEGylated PLGA Immunonanobubbles as an Intratumor-specific targeted Ultrasound Contrast Agent

Arifudin Achmad, Aiko Yamaguchi, Masaya Miyazaki, Eri Horisoko, Ayako Takahashi,
Tetsuya Higuchi, Yoshito Tsushima

Department of Diagnostic Radiology and Nuclear Medicine, Gunma University Graduate School of
Medicine, Maebashi, Japan

17:04-17:36

PACS

Moderators: Norio Nakata and Hannu J Aronen

43: Patient Identifier Cross Reference Server Manages EPR and PACS Sharing system

Hiroshi Kondoh¹⁾, Kei Teramoto¹⁾, Tatsuro Kawai²⁾, Maki Mochida²⁾, Motohiro Nishimura²⁾

¹⁾Division of Medical Informatics, Tottori University Hospital

²⁾SECOM Sanin Co. Ltd.

44: PACS and teleradiology in Finland – towards an integrated part of eHealth environment

Jarmo Reponen, MD, PhD, Chief radiologist

FinnTelemedicum, University of Oulu and Raahe Hospital, Finland

45: Recent advances in mobile WiFi radiology to nursing homes and prisons

Frode Lærum, MD PhD

Akershus University Hospital, Norway

46: Intuitive User Interface for 3D Image Manipulation using Augmented Reality and a Smartphone

Norio Nakata, MD, Yukio Miyamoto, MD, Kunihiko Fukuda, MD

Department of Radiology, The Jikei University, School of Medicine

7th Sep (fri.)

09:30-10:02 **Abdominal imaging 1**
Moderators: Takuya Ueda and Nils Albiin

47: CT demonstration of the effect of neoadjuvant therapy in colon cancer

Claus Dam, John Ploeen, Anders Jakobsen and Soeren R. Rafaelsen
Danish Colorectal Cancer Group South, Vejle Hospital, University of Southern Denmark

48: Usefulness and limitation of clinical FDG-PET in gastric cancer

Tsuyoshi Yoshida M.D. Ph.D.
Koga Hospital 21, Kurume, Fukuoka, Japan

49: CT findings of acute cholangitis: Peribiliary edema and attenuation of bile in common bile duct.

Gensuke Akaike, MD¹⁾, Mitsutomi Ishiyama, MD¹⁾, Shoko Suzuki, MD²⁾,
Yoshiyuki Fujita, MD.²⁾, Sachiko Ohde, EdM³⁾, Yukihiisa Saida, MD, PhD¹⁾

¹⁾Department of Radiology, St. Luke's International hospital

²⁾Department of Gastroenterology, St. Luke's International hospital

³⁾Center for Clinical Epidemiology, St. Luke's Life Science Institute

50: Preliminary results with dynamic CT perfusion in esophageal and gastric cancer

Martin Lundsgaard Hansen MD¹⁾, Eva Fallentin MD¹⁾, Birgitte Federspiel MD⁴⁾,
Lene Baeksgaard.MD²⁾, Lars Bo Svendsen MD³⁾, Michael Bachmann Nielsen MD¹⁾

¹⁾Department of Radiology, Rigshospitalet, Copenhagen, Denmark

²⁾Department of Oncology, Rigshospitalet, Copenhagen, Denmark

³⁾Department of Surgery, Rigshospitalet, Copenhagen, Denmark

⁴⁾Department of Pathology, Rigshospitalet, Copenhagen, Denmark

10:02-10:26 **Abdominal imaging 2**
Moderators: Satoru Murata and Gaute Hagen

51: Non-invasive multiparametric liver examination using high-resolution 3D MRI, quantitative dynamic liver-specific contrast-enhanced MRI, MR spectroscopy and MR elastography for evaluation of focal and diffuse liver disease.

Nils Dahlström
Center for Medical Image Science and Visualization, Linköping University, Linköping, Sweden

52: DW-MRI in pancreatic cancer: respiratory-triggered, free-breathing or breath-hold technique?

Kartalis N, Loizou L, Albiin N
Department of Radiology, Division of Medical Imaging and Technology, Department of Clinical Science, Intervention and Technology (CLINTEC), Karolinska Institutet, Karolinska University Hospital, 141 86, Stockholm, Sweden

53: Traditional and functional imaging in endometrial carcinoma

Ingfrid S. Haldorsen^{1,2)}, Renate Gruner^{1,3)}, Helga B. Salvesen^{4,5)}

¹⁾Department of Radiology, Haukeland University Hospital

²⁾Section for Radiology, Department of Surgical Sciences, University of Bergen

³⁾Department of Biomedicine, University of Bergen

⁴⁾Department of Obstetrics and Gynecology, Haukeland University Hospital

⁵⁾Department of Clinical Medicine, University of Bergen, Norway.

10:26-10:40 Break

10:40-12:00 Special Session
Moderators: Yukihsa Saida

S-1: Health effects from the Fukushima nuclear disaster

Hideo Tatsuzaki

National Institute of Radiological Sciences (NIRS)

S-2: -Radiation exposure and thyroid cancer- Considering the influence of the Fukushima Nuclear Accident based on the experience of mass screening in Belarus in the aftermath of the Chernobyl disaster

Kazuo Shimizu

Department of Surgery, Nippon Medical School

12:00-12:10 Break

12:10-13:10 Luncheon
Moderators: Yoshito Tsushima

Clinical Issues of Contrast-induced Nephropathy - True incidence, Prevention, and Management

Yasuhiro Komatsu MD, MPH, PhD, FASN

Division of Nephrology, Department of Medicine, St. Luke's International Hospital

13:10-14:05 Radiology management and education
Moderators: Yasuo Nakajima and Frode Lærum

54: The Swedish doctors specialist medical training - Its form and progression towards an objective oriented learning model

David Holmefur

Vastarbottens Lans Landsting

55: Norwegian Health Care Coordination Reforms: Consequences to Imaging.

Frode Lærum, MD PhD

Akershus University Hospital, Norway

56: Radiology Work Flow Management with Radiology Work Correlating Units

Tomi K Pudas

Head of Radiology Department, Satakunta Central Hospital

57: Japanese reimbursement system, current change in diagnostic radiology

Yasuo Nakajima, Keiko Imamura
St. Marianna University School of Medicine

58: Progress in Improving Radiology Residency Training in Finland

Hannu J. Aronen, MD and Peter B. Dean, MD
The University of Turku and Turku University Central Hospital, Department of Radiology

Discussion 15min.

14:05-14:15 Break

14:15-14:47 Emergency radiology 1
Moderators: Kazunori Kuroki and Sami Kajander

59: Immediate low-dose non-contrast enhanced CT in blunt trauma. Feasibility and use in patient management.

Bertil Leidner, Eva Moqvist, Mats Beckman, Anders Sundin
Departments of Radiology, Karolinska University Hospital and Karolinska Institutet,
Stockholm, Sweden

60: Lucky foods turned unlucky: 3 food-related medical emergencies and their imaging findings

Ayako Taketomi-Takahashi, Akiko Jinguu, Junya Fukuda, Makoto Amanuma, Yoshito Tsushima
Gunma University Department of Diagnostic Radiology and Nuclear Medicine

61: Spontaneous urinary bladder rupture: CT findings

Saiko Isshiki¹⁾, Akihumi Kitsuwai¹⁾, Yasuhiro Shimizu¹⁾, Jun Ando¹⁾, Taro Ichikawa¹⁾
Naoko Takenoshita²⁾, Tadashi Kaneshiro²⁾, Hiroyuki Tajima²⁾
¹⁾Department of Radiology, Nippon Medical School Musashikosugi Hospital
²⁾Center for Minimally Invasive Treatment, Nippon Medical School Musashikosugi Hospital

62: FACT(Focused Assessment with CT for Trauma): Reading trauma panscan in an efficient and reliable way.

Hirotaaka Ikeda¹⁾, Junichi Matsumoto^{2,3)}, Naoaki Shibata¹⁾, Yoshiaki Ichinose³⁾,
Shingo Hamaguchi²⁾, Yasuo Nakajima¹⁾
¹⁾St. Marianna University School of Medicine, Japan, Department of Radiology
²⁾St. Marianna University School of Medicine, Japan, Department of Emergency and Critical
Care Medicine
³⁾National Hospital Organization Disaster Medical Center, Japan, Department of Radiology

14:47-15:27 Emergency radiology 2
Moderators: Hiroyuki Tajima and Bertil Leidner

63: Findings of Gastrographin-enhanced postmortem CT

Sachiko Awata¹⁾, Satoshi Hirasawa¹⁾, Susumu Kobayashi¹⁾, Takehiro Shimada¹⁾, Hiroyuki Tokue¹⁾,
Ayako Taketomi-Takahashi¹⁾, Hiroshi Yorifuji²⁾, Yoshito Tsushima¹⁾
Department of Diagnostic Radiology and Nuclear Medicine, Gunma University Graduate
School of Medicine¹⁾
Department of Anatomy, Gunma University Graduate School of Medicine²⁾

64: Pancreaticoduodenal artery aneurysm rupture; diversity of clinical background and transcatheter arterial embolization

Naoko Takenoshita¹⁾, Hiroyuki Tajima¹⁾, Tadashi Kaneshiro¹⁾, Taro Ichikawa²⁾, Jun Ando²⁾, Yasuhiro Shimizu²⁾, Saiko Isshiki²⁾, Kaori Yamaguchi²⁾, Akihumi Kitsuwaga²⁾

¹⁾Center for Minimally Invasive treatment, Nippon Medical School Musashikosugi Hospital

²⁾Department of Radiology, Nippon Medical School Musashikosugi Hospital

65: Extremity MRI: Cost-effective Way of Imaging in Acute Trauma?

Sami Kajander, MD, PhD, Tomi Pudas, MD, Pekka Niemi, MD, Adj.prof.

Hospital NEO, Joukahaisenkatu 6, 20520 Turku, Finland

66: Current Status of Emergency Radiology in Japan and Japanese Society of Emergency Radiology(JSER)

Junichi Matsumoto, MD, Yasuo Nakajima, MD

Departments of emergency and critical care medicine and radiology, St Marianna University School of Medicine

67: NORDTER, Nordic Forum for Trauma and Emergency Radiology

Bertil Leidner

past president, NORDTER

15:27-15:40 **Break**

15:40-16:20 **Special Session on Computer-aided Detection/Diagnosis (CAD)**
Moderators: Hiroshi Fujita and Jarmo Reponen

68: Presentation of reference images and the pathological likelihood as a diagnostic aid for breast mass classification on mammograms

Chisako Muramatsu¹⁾, Kohei Nishimura¹⁾, Tokiko Endo²⁾, Mikinao Oiwa²⁾, Misaki Shiraiwa²⁾, Kunio Doi³⁾, Hiroshi Fujita¹⁾

¹⁾Gifu University,

²⁾Nagoya Medical Center,

³⁾Gunma Prefectural College of Health Sciences

69: Introduction of computer-aided detection (CAD) scheme for clustered microcalcifications in mammograms to telediagnostic system via telemedicine network in Mie Prefecture

Ryohei Nakayama¹⁾, Kiyoshi Namba²⁾, Nobuo Nakako¹⁾, Naoki Nagasawa¹⁾, Shigeki Kobayashi¹⁾, Hajime Sakuma¹⁾, Kan Takeda²⁾

¹⁾Department of Radiology, Mie University School of Medicine

²⁾Department of Breast Surgery, Hokuto Hospital

70: Breast CAD (Computer Aided Detection) in FFDM (Full Field Digital Mammography)

Nachiko Uchiyama MD, Minoru Machida MD, Seiko Kuroki MD, Noriyuki Moriyama MD
National Cancer Center

71: Computer-aided detection in CT colonography for early invasive colorectal cancers

Gen Inuma and Mototaka Miyake

Department of Diagnostic Radiology, National Cancer Center Hospital

72: Computational Image-Assisted Radiation Treatment Planning

Hidetaka Arimura, Ze Jin, Genyu Kakiuchi, Taiki Magome, Yoshiyuki Shioyama,
Katsumasa Nakamura
Graduate School of Medical Sciences, Kyushu University

16:20-16:22

Closing Remarks

Hannu J Aronen : Next Chairman