

# Program

Day 1 Thursday, May 31 Room 1 (Palais Royal A)

8:20-8:30 Opening Remarks

8:30-9:50 Symposium 1 p000

Advance in interventional management for unresectable HCC  
(Advance in IR for unresectable HCC)

Chairs: Satoru Murata *Teikyo University Chiba Medical Center IVR Center*  
Jian Wang *Department of Interventional Radiology and Vascular Surgery, 1st Hospital, Peking University*

**SY-1-1** International survey on cTACE

Jafar Golzarian  
*Division of Interventional Radiology & Vascular Imaging, University of Minnesota*

**SY-1-2** The rationale and the actual procedure of conventional TACE for HCC

Hiroshi Anai  
*Department of Radiology, Nara City Hospital*

**SY-1-3** Why is superselective cTACE necessary?

Shiro Miyayama  
*Department of Diagnostic Radiology, Fukuiken Saiseikai Hospital*

**SY-1-4** Novel treatment strategy for locally-advanced hepatocellular carcinoma

Daisuke Yasui  
*Nippon Medical School, Department of Radiology*

**SY-1-5** Radiofrequency ablation for HCC: current status and future perspective

Shuichiro Shiina  
*Department of Gastroenterology, Juntendo University, Tokyo, Japan*

10:10-11:30 **Symposium 2** p000

Oncologic Intervention of the Pancreas

Chairs: Takeshi Aramaki *Division of Interventional Radiology, Shizuoka Cancer Center*  
Jafar Golzarian *Division of Interventional Radiology & Vascular Imaging, University of Minnesota*

SY-2-1 Evaluating the feasibility of isolated pancreatic perfusion therapy in pig models

Satoru Murata  
*Teikyo University Chiba Medical Center IVR Center*

SY-2-2 Intraarterial chemotherapy for advanced pancreatic cancer

Toshihiro Tanaka  
*Nara Medical University, Japan*

SY-2-3 Endoscopic intervention for pancreatic cancer

Ichiro Yasuda  
*Department of Gastroenterology, Teikyo University Mizonokuchi Hospital*

SY-2-4 Technical TIPS of drainage for pancreatic fistula after pancreatic resection

Daisuke Abo  
*Department of Diagnostic and Interventional Radiology, Hokkaido University*

12:00-12:50 **Luncheon Seminar 1** p000

Current Status and Future Prospective of Intervention with Latest IVR-CT in Osaka University

Chair: Daisuke Abo *Department of Radiology, Hokkaido University Graduate School of Medicine*

LS-1 Hiroki Higashihara

*Assistant Professor Department of Radiology Osaka University Graduate School of Medicine*

Sponsored by Siemens Healthcare K.K.

13:00-13:20 **Presidential Address** p000

Chair: Kimiyoshi Mizunuma *Department of Diagnostic & Interventional Radiology, Nasu Red Cross Hospital*

PA Passion Beyond Limits

Hiroyuki Tajima  
*Center for Minimally Invasive Treatment, Nippon Medical School Musashikosugi Hospital, Kawasaki, Kanagawa, Japan*

13:30-14:00 **Special Lecture 1** p000

JSIR meets Sweden

Chair: Tsuneo Ishiguchi *Aichi Medical University*

SL1 Great achievement of Ivan Seldinger and the current status of Seldinger Society  
Michael Åkesson  
*Scandinavian Venous Centre/Lund University*

14:00-16:00 **Symposium 3** p000

IR for Venous Thromboembolism

Chairs: Jun Koizumi *Department of Diagnostic Radiology, Tokai University School of Medicine*  
John Kaufman *Department of Interventional Radiology, Dotter Interventional Institute. Oregon Health & Science University*

SY-3-1 Rotatable pigtail catheter intervention in massive pulmonary embolism: from idea to clinical validation  
Thomas Schmitz-Rode  
*Institute of Applied Medical Engineering, RWTH Aachen University*

SY-3-2 Present Status and Clinical Assessment of Interventional Radiology for the Treatment of Acute Massive Pulmonary Thromboembolism  
Hiroyuki Tajima  
*Center for Minimally Invasive Treatment and Department of Radiology, Nippon Medical School Musashikosugi Hospital, Kawasaki*

SY-3-3 CT-guided BPA: Interventional approach for the treatment CTEPH  
Tetsuya Fukuda  
*Department of Radiology, National Cerebral and Cardiovascular Center*

SY-3-4 Deep venous intervention (Tentative)  
John Kaufman  
*Department of Interventional Radiology, Dotter Interventional Institute. Oregon Health & Science University*

SY-3-5 Vena Cava Filters In PE Treatment: Do We Need To Do This, And If So, When and which type of filter we choose  
Fuxian Zhang  
*Beijing Shijitan Hospital of Capital Medical University*

SY-3-6 Multicenter investigation for vena caval filter fractures with the evaluation using 4D-CT  
Jun Koizumi  
*Department of Diagnostic Radiology, Tokai University School of Medicine*

## Day 1 Thursday, May 31 Room 1 (Palais Royal A)

16:00-16:30

### Special Lecture 2

p000

Special Exchange Lecture from Taiwan

Chair: Koichiro Yamakado *Hyogo College of Medicine*

SL2

Cryoablation Application in Extraperitoneal Oligometastasis

Shu-Huei Shen

*Department of Radiology Taipei Veterans General Hospital, Taipei, Taiwan*

8:30-9:50

**Symposium 4**

p000

**NeuroIR**

Chairs: Yukunori Korogi *Department of Radiology, University of Occupational and Environmental Health*  
Masahiro Horikawa *Dotter Interventional Institute, Oregon Health & Science University*

SY-4-1

Endovascular treatment of acute ischemic stroke – update

Klaus Hausegger

*Klinikum Klagenfurt am Wörthersee Institut für Diagnostische und Interventionelle Radiologie  
Vorstand*

SY-4-2

Treatment of Aggressive dural AVFs: Technical and material consideration

Anchalee Churojana

*Mahidol University*

SY-4-3

Basic techniques in endosaccular coiling of cerebral aneurysms

Hiro Kiyosue

*Department of Radiology, Oita University Hospital*

10:10-11:30

**Scientific Session 1**

p000

**Vein (1)/Bone & Soft Tissue**

Chairs: Kazumasa Seiji *Diagnostic Radiology, Tohoku University Hospital*  
Gerard Goh *The Alfred Hospital, Australia*

O-1-1

Endovenous Laser ablation for lower extremity varices. -Evaluation of treatment by MRV-

Kazuki Murai

*Department of Radiology, IVR center, Daito Central Hospital, Osaka, Japan*

O-1-2

Endovenous embolization of incompetent saphenous veins with a novel ultra-rapid acting NBCA

Rie Yagi

*Department of Cardiovascular Surgery, Edogawa Hospital, Tokyo, Japan*

O-1-3

Ultrasound guided NBCA embolization for incompetent saphenous vein without anesthesia

Naoki Sakakibara

*Department of Cardiovascular Surgery, Edogawa Hospital, Tokyo, Japan*

O-1-4

Optimal sampling position in left adrenal venous sampling including left inferior phrenic vein

Takuji Araki

*The Department of Radiology, University of Yamanashi, Yamanashi, Japan*

O-1-5

The utility of Angio-CT during adrenal venous sampling to confirm the right adrenal vein

Koji Maruyama

*Department of Radiology and Center for Endovascular Therapy, Kobe University Hospital, Kobe, Japan*

## Day 1 Thursday, May 31 Room 2 (Palais Royal B)

- O-1-6 Migration length of central venous access ports catheter tip  
Takuji Maruyama  
*Department of Radiology, Kansai Medical University, Osaka, Japan*
- O-1-7 Evaluation of central venous port-related infection in removal cases  
Masanori Yamashita  
*Kyoto Prefectural University of Medicine, Radiology, Kyoto, Japan*
- O-1-8 The feasibility of preoperative embolization for partial resection of hypervascular spinal tumor  
Ryuichiro Tani  
*Department of Radiology and Center for Endovascular Therapy, Kobe University Hospital, Kobe, Japan*
- O-1-9 Usefulness of percutaneous drainage in patients with spondylodiscitis as detecting organism  
Daisuke Yunaiyama  
*Department of Radiology, Tokyo Medical University, Tokyo, Japan*
- O-1-10 Initial experience of transcatheter arterial embolization using Imipenem for adhesive capsulitis  
Masao Hamuro  
*Diagnostic and Interventional Radiology, Osaka City University Graduate School of Medicine, Osaka, Japan*

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12:00-12:50 **Luncheon Seminar 2** p000

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Chair: XXXX XXXX XXXXXXXX

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LS-2 XXXXXXXXXXXX  
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Sponsored by Stryker Japan K.K.

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14:30-17:00 **Symposium 5** p000

Japanese Society of Interventional Radiology for Vascular Anomalies  
Symposium

### Part 1: Oral Session

Chairs: Masanori Inoue *Keio University*  
Shiro Onozawa *Department of Radiology, Teikyo Mizonokuchi Hospital, Kawasaki, Japan*

SY-5-1 Capillary Malformation/Arteriovenous Malformation (CM/AVM)  
Yuo Iizuka  
*Department of Neuroradiology, Cerebrospinal Endovascular Therapy Center, Chibanishi General Hospital, Matsudo, Chiba, Japan*

- SY-5-2** Venous sac and feeding artery embolization for pulmonary arteriovenous malformations (PAVMs)  
Reiko Woodhams  
*Diagnostic Radiology, Kitasato University School of Medicine, Kanagawa, Japan*
- SY-5-3** Evaluation on Imaging of Contrast-loaded Superabsorbent Polymer Microspheres with a Flow Model  
Akiko Narita  
*Department of Radiology, Aichi Medical University, Nagakute, Japan*
- SY-5-4** Retrieval of migrated N-butyl-2 cyanoacrylate cast using snare Kit during AVM/AVF embolization: case reports  
Ramy Ahmed  
*Oita University, Faculty of Medicine, Oita, Japan*
- SY-5-5** Ultrasound-guided Bleomycin Injection Sclerotherapy for Microcystic Lymphatic Malformation of the Tongue  
Luke Toh  
*KK Women's and Children's Hospital*
- SY-5-6** Embolization of systemic-to-pulmonary Arteriovenous Malformation secondary to empyema necessitans  
Pietro Boscarato  
*Interventional Radiology, AOU Ospedali Riuniti, Ancona*

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### Part 2: Teaching Lecture

Chair: Hidefumi Mimura *Department of Radiology, St. Marianna University School of Medicine*

- SY-5-7** Embolization with ethylene vinyl alcohol copolymer for the treatment of uterine arteriovenous malformations  
Vincent Vidal  
*Interventional Radiology, Aix-Marseille University, Hospital TIMONE*
- SY-5-8** Head & Neck Vascular Anomaly: Perspective for Interventional Radiology Treatment  
Anchalee Churojana  
*Mahidol University*

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### Part 3: Case Based Discussion

Moderators: Keigo Osuga *Department of Diagnostic and Interventional Radiology, Osaka University Graduate School of Medicine*

Hiro Kiyosue *Department of Radiology, Oita University Hospital*

Comentators: John Kaufman *Department of Interventional Radiology, Dotter Interventional Institute, Oregon Health & Science University*

Vincent Vidal *Interventional Radiology, Aix-Marseille University, Hospital TIMONE*

Anchalee Churojana *Mahidol University*

- SY-5-9** Giant Hemorrhagic Retroperitoneal Macrocystic Lymphatic Malformation  
John Kaufman  
*Department of Interventional Radiology, Dotter Interventional Institute, Oregon Health & Science University*

## Day 1 Thursday, May 31 Room 2 (Palais Royal B)

**SY-5-10** Complicated pelvic arterio-venous malformation treated with combined approach :  
embolization and surgery

Vincent Vidal

*Interventional Radiology, Aix-Marseille University, Hospital TIMONE*

**SY-5-11** Bleeding venous malformation in H&N: how to manage

Anchalee Churojana

*Mahidol University*

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18:20-19:20 代議員会

p000



10:10-11:30

**Scientific Session 2**

p000

**Liver**

Chairs: Kazunori Kuroki *Graduate School of Health Sciences, Department of Medical Radiological Technology, Faculty of Health Sciences, Kyorin University*  
Norifumi Nishida *Osaka Saiseikai Nakatsu Hospital*

- O-2-1** Analysis of HCC treated with radiofrequency ablation using local injection of hyaluronic acid  
Koji Nobata  
*Department of Radiology, Koseiren Takaoka Hospital, Toyama, Japan*
- O-2-2** LUSUTROMBOPAG may be efficacious and safe in radiofrequency ablation (RFA)  
Shuichiro Shiina  
*Department of Gastroenterology, Juntendo University, Tokyo, Japan*
- O-2-3** Usefulness of radiofrequency ablation training programs for liver tumors  
Shuichiro Shiina  
*Department of Gastroenterology, Juntendo University, Tokyo, Japan*
- O-2-4** A retrospective study of feasibility and safety of transjugular liver biopsy  
Keisuke Nagai  
*Department of Diagnostic and Interventional Radiology, Osaka University Graduate School of Medicine, Osaka, Japan*
- O-2-5** Long term effect by Balloon-occluded retro grade transvenous obliteration (B-RTO)  
Shinya Sakita  
*Yokohama city red cross hospital, Yokohama, Japan*
- O-2-6** Hepatic hemangioma treated with transcatheter arterial chemoembolization: efficacy and outcomes  
Pooya Torkian  
*School of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran*
- O-2-7** Hepatic arterial infusion chemotherapy in patients with liver metastases from colorectal cancer  
Yozo Sato  
*Department of Diagnostic and Interventional Radiology, Aichi Cancer Center Hospital, Nagoya, Japan*
- O-2-8** In vitro characterization of idarubicin-loaded superabsorbent polymer microsphere (Hepasphere™)  
Yasushi Kimura  
*Department of Diagnostic and Interventional Radiology, Osaka University Graduate School of Medicine*
- O-2-9** Comparison of fibrin glue and absolute ethanol as an embolic agent on PTPE  
Shinsaku Yata  
*Department of Radiology, Tottori University, Tottori, Japan*
- O-2-10** Portal vein stent placement - Benefit of laparotomy-assisted transileocolic venous approach  
Sakiko Kageyama  
*Department of Diagnostic Radiology, Tohoku University Hospital, Miyagi, Japan*

12:00-12:50 **Luncheon Seminar 3** p000

Let's Start Balanced-TACE

Chair: Yoshitaka Inaba *Department of Diagnostic and Interventional Radiology,  
Aichi Cancer Center Hospital, Nagoya, Japan*

LS-3 Masakazu Hirakawa

*Department of Radiology, Kyushu University Beppu Hospital, Oita, Japan*

Sponsored by Sumitomo Dainippon Pharma Co., Ltd.

14:30-15:50 **Scientific Session 3** p000

HCC, TACE

Chairs: Tetsuya Minami *Kanazawa Medical University Hospital*  
Yang-Jun Kang *Chonnam National University Hospital*

O-3-1 Usefulness of ALBI score in evaluation of the effect on liver function of TACE for multiple HCC

Hideyuki Nishiofuku

*Radiology, IVR Center, Nara Medical University, Nara, Japan*

O-3-2 TACE-induced hepatobiliary injury: comparison of DCB-TACE vs. conventional TACE

Yusuke Ono

*The Department of Diagnostic and Interventional Radiology, University of Osaka, Osaka, Japan*

O-3-3 Bland TAE for patients with large HCCs: Retrospective comparison with conventional TACE

Toshihiko Hamamura

*Department of Radiology, University of Occupational and Environmental Health, Kitakyushu, Japan*

O-3-4 Combined Bland Embolization and Conventional Transarterial Chemoembolization Using Calibrated PVA for Massive Hepatocellular Carcinoma with Macrovascular Invasion

Yang-Jun Kang

*Chonnam National University Hospital*

O-3-5 Innovative method of contrast enhancing to foresee the distribution change of lipiodol in B-TACE

Ryuichi Kita

*Department of Gastroenterology and Hepatology, Osaka Red Cross Hospital, Osaka, Japan*

O-3-6 Retrospective comparison of TACE for HCC using 1:2 and 1:1 water-oil emulsion ratios

Hidenari Hongyo

*Graduate School of Medicine Faculty of Medicine, Osaka University, Osaka, Japan*

O-3-7 Short-term Results of TACE with CDDP-loaded HepaSpheres and Gelparts for Hepatocellular Carcinoma

Noboru Maeda

*Department of Diagnostic and Interventional Radiology, Osaka International Cancer Institute, Osaka, Japan*

O-3-8 Combined treatments with TAI/TACE and radiotherapy for HCCs with portal/venous tumor thrombi

Kenta Anai

*Department of Radiology, University of Occupational and Environmental Health, Kitakyushu, Japan*

O-3-9 Boron Neutron Capture Therapy to Hepatocellular Carcinoma with Intra-Arterial Injection of BSH-WOW Emulsion

Hironobu Yanagie

*Nuclear Engineering & Management, Graduate School of Engineering, The University of Tokyo, Tokyo, Japan*

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16:00-17:00 **Featured Poster**

Chairs: Shuzo Kanasaki *Koseikai Takeda Hospital*

Toshi Hashimoto *Showa University Fujigaoka Hospital*

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FP-1 Experience of RADPLAT for maxillary cancer-consideration on its limitation and usefulness

Mika Kamiya

*Department of Radiology, Hamamatsu University School of Medicine, Hamamatsu, Japan*

FP-2 Evaluation of the origin of the last normal branch from feeding artery of the pulmonary AVMs

Miyuki Maruno

*Department of Radiology, Oita University Faculty of Medicine, Yufu, Japan*

FP-3 Trans Arterial Embolization using Embosphere in Treatment of Multiple Liver Metastases from NET

Akiyoshi Yamashita

*Japanese Red Cross Medical Center, Tokyo, Japan*

FP-4 Real time CT guided oblique puncture with 'direct MPR' for liver RFA combined with TACE

Rui Sato

*Division of Interventional Radiology, Shizuoka Cancer Center*

FP-5 Safety of Embolization of Pseudoaneurysms after Partial Nephrectomy: Review of 52 cases

Yuka Matsuzaki

*School of Medicine, Tokyo Women's Medical University*

FP-6 Image-guided percutaneous adrenal biopsy: review of a 10-year experience

Tetsuya Hasegawa

*Department of Diagnostic Radiology, National Cancer Center, Tokyo, Japan*

FP-7 2D-shear wave elastography in the evaluation of endoleak after stent-graft treatment of AAA

Yuya Bando

*Department of Radiology, Konan Kosei Hospital, Aichi, Japan*

## Day 1 Thursday, May 31 Room 3 (Châtelet)

- FP-8 Usefulness of Coagulation Biomarkers to Detect Arterial Extravasation in Stable Pelvic Fractures  
Makoto Aoki  
*Department of Emergency Medicine, Gunma University Graduate School of Medicine, Maebashi, Japan*
- FP-9 Evaluation of usefulness of fatty tissue as an embolic material: A basic investigative animal study  
Kai Takaki  
*Department of Radiology, Shiga University of Medical Science*
- FP-10 The efficacy of lymph node embolization using N-butyl cyanoacrylate compared to ethanol sclerotherapy in the management of symptomatic lymphoceles after pelvic surgery  
Jeong-Eun Kim  
*Hallym University Medical Center*

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17:10-18:00 **Sponsored Seminar 1**

p000

What is AZURCX ? Power of 2nd generation Hydrcoil

Chair: Masaaki Akahane *International University of Health and Welfare, School of Medicine  
Department of Radiology*

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SS-1 The Characteristics of Hydro Coil from the Viewpoint of Biomedical

Kiyotaka Iwasaki  
*Cooperative Major in Advanced Biomedical Sciences, Graduate School of Advanced Science and Engineering, Waseda University (Tokyo Women's Medical University - Waseda University Joint Graduate School)*

Coil Embolization Using AZURCX Based on Theoretical and Scientific Rationale

Kouhei Hamamoto  
*Jichi Medical University Saitama Medical Center Department of Radiology*

Sponsored by TERUMO CORPORATION

10:10-11:30 **Scientific Session 4**

p000

TEVAR

Chairs: Yoshiaki Katada *Department of Radiology, Tokyo Women's Medical University Medical Center East*

Motoki Nakai *Department of Radiology, Wakayama Medical University*

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- O-4-1 Insufficient Factors of Aortic Remodeling after PETTICOAT TEVAR for Type B Aortic Dissection  
Takanori Taniguchi  
*Department of Diagnostic Radiology, Tenri Hospital*
  - O-4-2 Clinical utility of the Candy-Plug technique using an Excluder aortic cuff  
Yukihisa Ogawa  
*Department of Radiology, St. Marianna University, School of Medicine, Kanagawa, Japan*
  - O-4-3 Measuring the greater curvature can provide Accurate Prediction of Stentgraft Position for TEVAR  
Takahiro Nakai  
*Department of Radiology, Nara Medical University Hospital, Kashihara, Japan*
  - O-4-4 Chronic aortic remodeling after thoracic endovascular aortic repair for thoracic aortic aneurysm  
Noritaka Kamei  
*Department of Radiology Oita University Faculty of Medicine*
  - O-4-5 Preliminary experiences of segmental artery coil embolization to prevent spinal cord injury  
Etsuji Sohgewa  
*Department of Diagnostic and Interventional Radiology, Osaka City University Graduate School of Medicine, Osaka, Japan*
  - O-4-6 Transarterial embolization for type II endoleak after TEVAR - A single institutional experience  
Tomoyuki Gentsu  
*Dept. of Radiology, Hyogo Brain and Heart Center, Himeji, Japan*
  - O-4-7 Direct transthoracic approach for type 1a endoleak after TEVAR in pig models  
Onozawa Shiro  
*Department of Radiology, Teikyo University Mizonokuchi Hospital, Kanagawa, Japan*

## Day 1 Thursday, May 31 Room 4 (Étoile)

12:00-12:50 **Luncheon Seminar 4** p000

### CT guided needle biopsy in Non-Small Cell Lung Cancer

Chair: Susumu Kanazawa *Department of Radiology, Okayama University Medical School*

LS-4 Takao Hiraki  
*Department of Radiology, Okayama University Medical School*

Sponsored by AstraZeneca K.K.

14:30-15:50 **Scientific Session 5** p000

### Emergency

Chairs: Saebeom Hur *Seoul National University Hospital*  
Masato Yamaguchi *Department of Radiology, Kobe University Hospital*

O-5-1 Study of Hemodynamics and Angiography Undergoing Veno-arterial Extracorporeal Membrane Oxygenation

Taro Yokoyama  
*The Department of Radiology, Teikyo University of School of Medicine, Tokyo, Japan*

O-5-2 Impact of Hybrid Emergency Room on Practice Time for Trauma Hemostasis

Yu Sasaki  
*The Department of Radiology, Teikyo University School of Medicine, Tokyo, Japan*

O-5-3 CT finding and endovascular therapy for extra-cranial mycotic aneurysm due to infective endocarditis

Wataru Higashiura  
*The Department of Radiology, Okinawa Prefectural Chubu Hospital, Uruma, Japan*

O-5-4 Spontaneous intramuscular hematoma: indication of TAE and outcome

Tetsuya Masada  
*Department of Radiology, Nara Medical University, Kashihara, Japan*

O-5-5 Evaluation of transarterial embolization for spontaneous intramuscular hematomas

Yasuyuki Ono  
*Kansai Medical University Radiology Osaka, Japan*

O-5-6 Spontaneous bleeding in patients with anticoagulant therapy (AT) treated with Transarterial Embolization (TAE)

Roberto Candelari  
*Interventional Radiology, AOU Ospedali Riuniti, Ancona*

O-5-7 Temporary endovascular balloon occlusion of the pulmonary artery in traumatic lung bleeding

Takehito Yokoi  
*Department of Radiology, The Cancer Institute Hospital of JFCR, Tokyo, Japan*

- O-5-8 The Safety and Efficacy of Embolization in the Treatment of Post-gastrectomy Hemorrhages  
Ki-Chang Han  
*Yonsei University Severance Hospital*

16:00-17:00 **Scientific Session 6** p000

Neuro/Head and Neck

Chairs: Shingo Kakeda *University of Occupational & Environmental Health*  
Takahiko Mine *Nippon Medical School Chiba Hokusoh Hospital*

- O-6-1 Embolization for acute hemorrhage in patients with head and neck cancer  
Yutaka Koide  
*Department of Radiology and Center for endovascular therapy, Kobe University Hospital, Kobe, Japan*
- O-6-2 Plaque protrusion during carotid artery stenting: risk factors determined by MR plaque imaging  
Katsutoshi Takayama  
*Department of Radiology and Interventional neuroradiology, Ishinkai Yao General Hospital, Yao, Japan*
- O-6-3 Carotid artery stenting for near occlusion with full collapse: 30-Day and long-term outcome  
Katsutoshi Takayama  
*Department of Radiology and Interventional neuroradiology, Ishinkai Yao General Hospital, Yao, Japan*
- O-6-4 An audit of thyroid ultrasound-guided fine needle aspiration cytology in a tertiary hospital  
Tian Kai Woon  
*Duke-NUS Medical School*

17:10-18:00 **Sponsored Seminar 2** p000

Challenge This Case with CERENOVUS COIL ~Type II End Leak Edition~

Chair: Hiro Kiyosue *Department of Radiology, Faculty of Medicine, Oita University*

- SS-2 Keynote lecture of Type II End Leak and pitfall  
Masanori Inoue  
*Department of Radiology, Keio University School of medicine*

The treatment strategy of Type II Endoleak for EVAR, TEVAR or others

Norio Hongo  
*Department of Radiology, Faculty of Medicine, Oita University*

Sponsored by Johnson & Johnson K.K.

## Day 1 Thursday, May 31 Room 5 (Vendôme)

10:10-11:40 **技術教育セミナー 1 Technical Educational Session 1**

p000

生検 Biopsy

コーディネーター: 山本 晃 (Akira Yamamoto)

大阪市立大学

*Department of Diagnostic and Interventional Radiology*

1 TJLB

Usefulness of Transjugular liver access biopsy (TJLB)

山本 晃 (Akira Yamamoto)

大阪市立大学

*Department of Diagnostic and Interventional Radiology*

2 CTガイド下内臓神経ブロック

CT-guided splanchnic nerve block

前田 弘彰 (Hiroaki Maeda)

兵庫県がんセンター

*Department of Diagnostic Radiology, Hyogo Cancer Center*

3 CTガイド下生検 (肺以外)

Percutaneous CT guided biopsy (except lung)

田村 吉高 (Yoshitaka Tamura)

熊本大学

*Department of Radiology, Kumamoto University, School of Medicine*

12:00-12:50 **Luncheon Seminar 5**

p000

The Device Focused AVP and Guiding Sheath in Embolization

Chair: Kei Takase *Department of Radiology, Kurume University School of Medicine*

LS-5 AVP and Guiding sheath "Keio Style"

Masanori Inoue

*Department of Radiology, Keio University School of Medicine*

Tips giving the best ability for AVP

Norio Hongo

*Department of Radiology, Faculty of Medicine, Oita University*

Sponsored by ABBOTT JAPAN CO., LTD. / MEDIKIT CO., LTD.



14:30-16:00 **技術教育セミナー 2 Technical Educational Session 2** p000

**頭頸部動注 Intra-arterial cisplatin infusion for head and neck carcinoma**

コーディネーター：田中 法瑞 (Norimitsu Tanaka)  
久留米大学  
Medical Imaging Center, Kurume University Hospital

1 進行喉頭癌に対する動注化学放射線療法  
RADPLAT for advanced laryngeal carcinoma

田中 法瑞 (Norimitsu Tanaka)  
久留米大学  
Medical Imaging Center, Kurume University Hospital

2 頭頸部癌に対する超選択的動注化学放射線同時併用療法の実践—上顎洞癌を中心に—  
Practice of Superselective Transarterial Infusion Therapy of High-dose Cisplatin with  
Concomitant Irradiation on Head and Neck  
Cancers: focused on maxillary cancers

鹿戸 将史 (Masafumi Kanoto)  
山形大学 放射線診断科  
Department of Radiology, Yamagata University Graduate School of Medical Science Medicine

16:00-17:00 **外傷・救急IVRステップアップセミナー** p000

**Step up Seminar for trauma and emergency IR**

座長：近藤 浩史 (Hiroshi Kondo)  
帝京大学医学部放射線科学講座  
Teikyo University School of Medicine  
船曳 知弘 (Tomohiro Funabiki)  
済生会横浜市東部病院 救命救急センター  
Saiseikai Yokohamashi Tobu Hospital

TE-1 頭部外傷に関して、IVR医に知っておいてほしい事: 頭部外傷診療のコツとピットフォール  
Keys and Pitfalls of the Management for Traumatic Brain Injury

横堀 将司 (Shoji Yokobori)  
日本医科大学付属病院 高度救命救急センター  
Department of Emergency and Critical Care Medicine, Nippon Medical School

TE-2 IVR医に知って欲しいこと「骨盤骨折の初期治療」  
Strategy of resuscitating pelvic fracture in ER

田島 康介 (Kosuke Tajima)  
藤田保健衛生大学病院救急科  
Fujita Health University Hospital, Department of Emergency Medicine

8:50-10:25

**Symposium 6**

p000

Embolization - What's the next ?-

Chairs: Yasuaki Arai *National Cancer Center*  
Jafar Golzarian *Division of Interventional Radiology & Vascular Imaging, University of Minnesota*

**SY-6-1 New Agents, New Devices for embolotherapy**

Jafar Golzarian  
*Division of Interventional Radiology & Vascular Imaging, University of Minnesota*

**SY-6-2 New Field of embolotherapy**

Vincent Vidal  
*Interventional Radiology, Aix-Marseille University, Hospital TIMONE*

**SY-6-3 Trends of research in embolotherapy**

Matthew S Johnson  
*Indiana University*

**SY-6-4 Selective internal radiation therapy with Yttrium-90 -when should it be used ?**

Thierry de Baère  
*Imagerie thérapeutique, Département d'imagerie, Gustave Roussy Cancer Campus*

**SY-6-5 Simon Yu Chun Ho**

*Department of Imaging & Interventional Radiology, Faculty of Medicine, The Chinese University of Hong Kong*

10:30-11:50

**Featured Abstract**

p000

Chairs: Noboru Tanigawa *Department of Radiology, Kansai Medical University*  
Vincent Vidal *Interventional Radiology, Aix-Marseille University, Hospital TIMONE*

Commentators: Afshin Gangi *Interventional Radiology, University of Strasbourg*  
Masahiro Horikawa *Dotter Interventional Institute, Oregon Health & Science University*

**FA-1 Search results in superselective cTACE with 3D-safety margin versus RFA for solitary small HCC**

Takeshi Matsumoto  
*Nara Medical University, Nara, Japan*

**FA-2 TGF-  $\beta$  1 blockade does not enhance immunomodulatory benefit of partial IRE in murine bladder tumor**

Eisuke Ueshima  
*Department of Radiology and Center for Endovascular Therapy, Kobe University Hospital, Kobe, Japan*

**FA-3 Internal Coil Packing of Amplatzer Vascular Plug: Experimental and Clinical Experiences**

Masamichi Koganemaru  
*Department of Radiology, Kurume University School of Medicine, Fukuoka, Japan*

## Day 2 Friday, June 1 Room 1 (Palais Royal A)

- FA-4 B-RTO using 5% EOI mixing gelatin sponge particles for gastric varices  
Atsushi Jogo  
*Osaka City University Graduate School of Medicine, Department of Diagnostic and Interventional Radiology*
- FA-5 Transvenous ablation system of adrenal tumor: a preliminary experimental study  
Hiroyuki Sakakibara  
*Department of Diagnostic Radiology, Tohoku University Graduate School of Medicine, Sendai, Japan*
- FA-6 Risk Factors Predicting Stent Malfunction for Iliocaval Venous Occlusive Disease  
Masayuki Endo  
*Department of Radiology, Tottori University, Tottori, Japan*
- FA-7 A Phase II Clinical Trial of Vascular Embolization with Mixture of NBCA-Lipiodol (JIVROSG-0802)  
Akira Kitagawa  
*The Department of Radiology, Aichi Medical University, Aichi, Japan*
- FA-8 Experimental study on expansion rate and specific gravity of casts made from N-butyl-2-cyanoacrylate  
Hiroki Kobayashi  
*Department of Diagnostic Radiology, Tokai University School of Medicine*

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12:00-12:50 **Luncheon Seminar 6** p000

Transarterial Ablation (TAA) strategy by TACE Meister  
- 1.5Fr Microcatheter System Combined with EmboGuide-

Chair: Osamu Matsui *Kanazawa University*

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LS-6 Shiro Miyayama  
*Fukui-ken Saiseikai Hospital*

Sponsored by Philips Japan, Ltd. /ASAHI INTECC J-sales, INC.

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13:00-13:30 **Special Lecture 3** p000

Special Lecture from SIR

Chair: Kimihiko Kichikawa *Department of Radiology and IVR Center, Nara Medical University*

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SL3 The current status of DCB and DES for femoropopliteal arterial disease:  
what we now know  
Michael D Dake  
*Stanford University School of Medicine*

## Day 2 Friday, June 1 Room 1 (Palais Royal A)

13:30-14:00 **Special Lecture 4** p000  
Special Lecture from CIRSE

Chair: Susumu Kanazawa *Department of Radiology, Okayama University Medical School*

SL4 Outcomes of aortic stent-grafts: Old and New Devices  
Robert A. Morgan  
*St George's University of London*

14:00-14:30 **Special Lecture 5** p000  
Special Lecture from APSCVIR 1

Chair: Shozo Hirota *Kohnan Hospital, Interventional Center*

SL5 Special lecture from APSCVIR ('Present status of APSCVIR' + 'Drug Coated Balloon Angioplasty for Hemodialysis Access')  
Bien Soo Tan  
*Singapore General Hospital*

14:30-15:00 **Special Lecture 6** p000  
Special Lecture from APSCVIR 2

Chair: Tetsuo Sonomura *Department of Radiology, Wakayama Medical University*

SL6 Renal Denervation (RDN) in Intractable Pain from Upper Abdominal Malignancies  
Gao-Jun Teng  
*Department of Radiology, Zhongda Hospital, Southeast University, Nanjing, China*

15:00-17:00 **Symposium 7** p000  
Joint Session JSEMSG: Current status and future of aortic endovascular intervention

Chairs: Kimihiko Kichikawa *Department of Radiology and IVR Center, Nara Medical University*  
Hiroshi Nishimaki *Department of Cardiovascular Surgery, St. Marianna University School of Medicine*

SY-7-1 The future of endovascular management of aortic dissection -- moving toward a cure  
Michael D Dake  
*Stanford University School of Medicine*

SY-7-2 AORTIC DISSECTION: CHALLENGES, MANAGEMENT AND OUTCOMES  
Robert A. Morgan  
*St George's University of London*

## Day 2 Friday, June 1 Room 1 (Palais Royal A)

SY-7-3 Total Percutaneous Endovascular Repair of Abdominal Aortic Aneurysms (pEVAR)

Klaus Hausegger

*Klinikum Klagenfurt am Wörthersee, Institut für Diagnostische und Interventionelle Radiologie,  
Vorstand*

SY-7-4 New Management Options for Hostile Neck and Juxta/Pararenal Aneurysms

Andrew Holden

*Interventional Radiology, Auckland Hospital, New Zealand*

SY-7-5 Complex aortic endografting (fen/branch, flow modulators)

Uei Pua

*Tan Tock Seng Hospital*

## Day 2 Friday, June 1 Room 2 (Palais Royal B)

9:00-9:30 **Let's start peripheral vascular intervention-Special lecture** p000

Chair: Kimihiko Kichikawa *Department of Radiology and IVR Center, Nara Medical University*

### Where we were from and where we are going?

Tomoyasu Sato

*Tsuchiya General Hospital*

Sponsored by DAIICHI SANKYO HEALTHCARE CO.,LTD. / GE Healthcare Japan Corporation

9:30-10:30 **Let's start peripheral vascular intervention-Video Symposium**

Chairs: Katsutoshi Takayama *Department of Radiology and Interventional neuroradiology, Ishinkai Yao General Hospital*

Terumitsu Hasebe *Department of Radiology, Tokai University Hachioji Hospital, Tokai University School of Medicine*

Presenter: Shigeo Ichihashi *Dept of Radiology, Nara Medical University*

Norio Hongo *Oita University Faculty of Medicine, Department of Radiology*

Ryota Kawasaki *Hyogo Brain and Heart Center at Himeji*

Motoki Nakai *Department of Radiology, Wakayama Medical University*

Katsutoshi Takayama *Department of Radiology and Interventional Neuroradiology, Ishinkai Yao General Hospital*

Commentator: Masanori Inoue *Keio University*

Koji Sugimoto *Department of Radiology and Center for Endovascular Therapy, Kobe University Hospital*

Ryoichi Tanaka *Department of Radiology, Iwate Medical University*

Robert A. Morgan *St George's University of London*

Uei Pua *Tan Tock Seng Hospital*

Sponsored by DAIICHI SANKYO HEALTHCARE CO.,LTD. / GE Healthcare Japan Corporation

10:30-11:50 **Scientific Session 7** p000

### Peripheral artery

Chairs: Hirsohi Yamamoto *Sumitomo Hospital Endvascular Thrapy (IVR) Center*

Uei Pua *Tan Tock Seng Hospital*

#### Key note lecture 1

XXXXXXXXXXXX

Robert A. Morgan

*St George's University of London*

#### Key note lecture 2

New Treatments for the Superficial Femoral Artery in 2018

Andrew Holden

*Interventional Radiology, Auckland Hospital, New Zealand*

## Day 2 Friday, June 1 Room 2 (Palais Royal B)

- O-7-1 PTA for chronic total occlusion in iliac arteries with an intracardiac ultrasound guidance  
Katsuki Oji  
*Department of radiology, Faculty of Medicine, Oita University, Japan*
- O-7-2 Endovascular treatment for limb salvage after surgical revascularization  
Naokazu Miyamoto  
*Department of Radiology, Kita-Harima Medical Center*
- O-7-3 Subintimal recanalized calcified aorto-iliac occlusion with antegrade contralateral snaring wire technique  
Keerati Hongsakul  
*Department of Radiology, Prince of Songkla University, Hat Yai, Songkhla, Thailand*
- O-7-4 Technical tips for retrograde puncture technique for peripheral arterial intervention  
Seabeom Hur  
*Seoul National University Hospital*

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12:00-12:50 **Luncheon Seminar 7** p000

### Power of Hydrocoil

Chair: Hiro Kiyosue *Oita University Hospital Department of Radiology*

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LS-7 Clinical Evidence of AZUR Hydrocoil

Norio Hongou  
*Oita University Hospital Department of Radiology*

### Usefulness of AZUR HydroCoil in Embolization of PAVM

Masashi Shimohira  
*Nagoya City University Hospital Department of Radiology*

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15:00-17:00 **Symposium 8** p000

### Case-based discussion : Interventional oncology

Chairs: Keigo Osuga *Department of Diagnostic and Interventional Radiology, Osaka University Graduate School of Medicine*

Thierry de Baère *Imagerie thérapeutique, Département d'imagerie, Gustave Roussy Cancer Campus*

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SY-8-1 Multimodality and/or multidisciplinary interventions in IO

Afshin Gangi  
*Interventional Radiology, University of Strasbourg*

SY-8-2 Pathless woods of biopsy

Miyuki Sone  
*Department of Diagnostic Radiology, National Cancer Center Hospital*

## Day 2 Friday, June 1 Room 2 (Palais Royal B)

SY-8-3 Lung ablation / Bone osteosynthesis and cementoplasty

Thierry de Baère

*Imagerie thérapeutique, Département d'imagerie, Gustave Roussy Cancer Campus*

SY-8-4 Non-vascular intervention management

Yozo Sato

*Department of Diagnostic and Interventional Radiology, Aichi Cancer Center Hospital*

SY-8-5 XXXXXXXXXXXX

Matthew S. Johnson

*Indiana University*



8:00-8:50

**Morning Seminar 1**

p000

How to Master Stent-graft for PAD

Chair: Kimihiko Kichikawa *Department of Radiology, IVR Center, Nara Medical University*

MS-1

Huei-Lung, Liang

*Kaonsiung Veterans General Hospital Chief, interventional section, Department radiology*

Shigeo Ichihashi

*Nara Medical University Department of Radiology and IVR Center*

Sponsored by W. L. Gore & Associates, Co., LTD.

10:30-11:50

**Scientific Session 8**

p000

Chest

Chairs: Takao Hiraki *Okayama University Medical School*

Prijo Sidipratomo *Faculty of Medicine, University Pembangunan National Indonesia, Ciptomangunkusumo Hospital*

O-8-1

Phase I study of immunoRFA, RFA in combination with local injection of OK-432, for lung tumor

Akira Yamamoto

*Osaka City University Graduate School of Medicine Department of Diagnostic and Interventional Radiology*

O-8-2

Does Computed-Tomography Guided Needle Biopsy of The Lung Increase The Risk of Pleural Seeding?

Nobutake Ito

*Department of Radiology, Keio University School of Medicine, Tokyo, Japan*

O-8-3

The utility of mixture of indigo carmin and lipiodol for preoperative pulmonary nodule localization

Takaaki Hasegawa

*Department of Diagnostic and Interventional Radiology, Aichi Cancer Center Hospital, Aichi, Japan*

O-8-4

Diagnostic accuracy of ultrasound guided core needle biopsy of anterior mediastinal lesions

Rinpei Imamine

*Department of Diagnostic Imaging and Nuclear Medicine, Graduate School of Medicine, Kyoto University*

O-8-5

Usefulness of CT guided biopsy with external cylinder washing cytology for lung cancer

Fumiyasu Tsushima

*Department of Radiology, Hirosaki University Graduate School of Medicine, Hirosaki, Japan*

O-8-6

C-arm Cone-beam CT-guided needle biopsies with prone positional approach in 75 thoracic lesions

Nobuyuki Takeyama

*Department of Radiology, Showa University Fujigaoka Hospital, Yokohama, Japan*

## Day 2 Friday, June 1 Room 3 (Châtelet)

- O-8-7 Preoperative Short Hookwire Placement: Evaluation of Results in 364 Adults with 396 Procedures  
Toshihiro Iguchi  
*Department of Radiology, Okayama University Medical School, Okayama, Japan*
- O-8-8 Percutaneous transvenous catheter biopsy for the diagnosis of pulmonary artery sarcoma  
Yoshimi Fujii  
*Department of Diagnostic Radiology, Fujisawa City Hospital, Kanagawa, Japan*
- O-8-9 Correlation between the success of pleurodesis with talc and the amount of drainage via chest tube  
Noriyuki Umakoshi  
*Department of Diagnostic Radiology, National Cancer Center Hospital, Tokyo, Japan*
- O-8-10 The success rate of pleurodesis with talc in different tip-position of trocar catheter  
Shinji Wada  
*Department of Diagnostic Radiology, National Cancer Center Hospital, Tokyo, Japan*

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12:00-12:50 **Luncheon Seminar 8** p000

### Cutting Edge Imaging Technologies for Precise IR

Chair: Tan Bien Soo *Department of Vascular & Intervention, Singapore General Hospital*

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LS-8 Initial experience of the latest navigation for selective embolization by Angio-CT system.

Hiroshi Anai  
*Department of Radiology, Nara City Hospital*

New horizon of imaging for interventional radiology: advanced planning, navigation, and evaluation using ultra-high resolution CT.

Miyuki Sone  
*Department of Diagnostic Radiology, National Cancer Center*

Sponsored by Canon Medical Systems Corporation

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15:00-16:20 **Scientific Session 9** p000

### Gynecology/Visceral aneurysm

Chair: Reiko Woodhams *Department of Radiology, Kitasato University School of Medicine*  
Ki-Chang Han *Yonsei University Severance Hospital*

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O-9-1 One-year clinical results of uterine artery embolization for symptomatic uterine fibroids

Hiroki Higashihara  
*Department of Diagnostic and Interventional Radiology, Osaka University Graduate School of Medicine, Osaka, Japan*

## Day 2 Friday, June 1 Room 3 (Châtelet)

- O-9-2 Transradial or transbrachial uterine fibroid embolization: about the patient comfort and safety  
Eiji Sugihara  
*IVR center, Department of Diagnostic Radiology, Osaka General Medical Center, Japan*
- O-9-3 Catheter-directed sclerotherapy with 95% ethanol for ovarian endometrioma  
Ki-Chang Han  
*Yonsei University Severance Hospital*
- O-9-4 Pelvic arterial embolization for obstetric hemorrhage after cesarean section  
Ryoichi Kitamura  
*Department of Radiology, Okinawa Prefectural Chubu Hospital, Uruma, Japan*
- O-9-5 Endosaccular packing for visceral artery aneurysms with adjunctive techniques: Long-term outcomes  
Hiro Kiyosue  
*Department of Radiology, Oita University Hospital, Oita, Japan*
- O-9-6 A utility of the endovascular treatment for the aneurysms of the pancreaticoduodenal arcade  
Kawada Hiroshi  
*Department of Radiology, Gifu University, Gifu, Japan*
- O-9-7 Investigation of radial force by 3D bare coil in blood vessel model  
Hiroki Okuda  
*Dept. of Radiology, Sapporo Medical University School of Medicine, Sapporo, Japan*
- O-9-8 Coil embolization of renal artery aneurysm: 6Fr sheath catheter to carry out tripple microdevice  
Jun Otaka  
*Department of Radiology, Tokyo Medical University, Tokyo, Japan*
- O-9-9 Can CT characteristics predict ruptured aneurysm associated with median arcuate ligament syndrome?  
Teruyoshi Oda  
*Department of Radiology, Kindai University Faculty of Medicine*

17:40-18:30

### Sponsored Seminar 3

p000

#### Current Status of VTE Treatments in China

Chair: Toshihiro Tanaka *Department of Radiology, Nara Medical University*

SS-3

Fuxian Zhang

*Department of Vascular surgery, Beijing Shijitan Hospital of Capital Medical University*

Sponsored by MEDICON, INC.

## Day 2 Friday, June 1 Room 4 (Étoile)

8:00-8:50

### Morning Seminar 2

p001

#### Ablation and Immunomodulation

Chair: Takuji Yamagami *Department of Radiology, Kochi Medical School Kochi University*

MS-2

Haruyuki Takaki

*Department of Radiology, Hyogo College of Medicine*

Sponsored by Hitachi, Ltd

10:30-11:50

### Scientific Session 10

p000

#### GI tract

Chairs: Dongho Hyun *Samsung Medical Center*

Tetsuhisa Yamada *Department of Radiology, Japanese Red Cross Medical Center*

O-10-1

Transnasoesophageal Drainage of Mediastinal Abscesses with Esophago-Mediastinal fistula

Yugo Imai

*Department of Diagnostic and Interventional Radiology, Aichi Cancer Center Hospital, Nagoya, Aichi, Japan*

O-10-2

Advancement of percutaneous abscess drainage in safety; US-guidance with real-time image fusion

Shinichi Morita

*Department of Gastroenterology and Hepatology, Uonuma institute of Community Medicine Niigata University Hospital, Niigata, Japan*

O-10-3

Long tube insertion via PTEG route for patients with malignant bowel obstruction

Shinichi Murata

*Department of Diagnostic and Interventional Radiology, Aichi Cancer Center Hospital, Nagoya, Japan*

O-10-4

Percutaneous biliary intervention for post-surgical biliary leak in three cases

Yoshito Takeuchi

*Radiology, Fukuchiyama City Hospital, Kyoto, Japan*

O-10-5

PTBD; current status in our institute

Hiroyasu Fujiwara

*Department of Radiology, Okayama University School, Okayama, Japan*

O-10-6

Outcomes of transarterial embolization for diverticular bleeding

Hidenori Mitani

*Department of Radiology, Chugoku Rosai Hospital, Hiroshima, Japan*

O-10-7

Embolization with NBCA for acute bleeding of pancreatic and peripancreatic arteries

Koji Sasaki

*Department of Radiology and Center for Endovascular Therapy, Kobe University Hospital, Kobe, Japan*

## Day 2 Friday, June 1 Room 4 (Étoile)

O-10-8 Seven cases of bleeding in patients with advanced pancreatic cancer during chemotherapy

Kensuke Inamura

*Department of Radiology, Dokkyo Medical University, Tochigi, Japan*

O-10-9 Transcatheter embolization for pseudoaneurysm in patients with pancreatectomy

Isao Numoto

*Department of Radiology, Kindai University, Faculty of Medicine, Osaka, Japan*

O-10-10 Stent graft for gastroduodenal artery stump hemorrhage

Dongho Hyun

*Samsung Medical Center*

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12:00-12:50 **Luncheon Seminar 9** p000

Therapy of Pulmonary Thromboembolism with Special Emphasis of Interventional Radiology

Chair: Kei Takase *Department of Diagnostic Radiology, Tohoku University*

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LS-9 Thomas Schmitz-Rode

*RWTH Aachen University, University Hospital(Aachen), Institute of Applied Medical Engineering*

*Sponsored by Bayer Yakuhin, Ltd.*

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15:00-16:20 **Scientific Session 11** p000

Miscellaneous

Chairs: Toshi Abe *Department of Radiology, Kurume University School of Medicine*

Jong Woo Kim *Asan Medical Center*

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O-11-1 The usefulness of LiPPS using commercial workstation and simulation software in cTACE for HCC

Mitsuhiro Kinoshita

*Department of Radiology, Tokushima University Hospital, Tokushima, Japan*

O-11-2 Evaluation of the occupational eye doses estimated using direct eye dosimeter during TACE for HCC

Masakazu Hirakawa

*Dept. of Radiology, Kyushu University Beppu Hospital*

O-11-3 Evaluation of Decreases in Scattered Radiation Dose from CT by Using of Arc-shaped Protection Shield

Taku Yasumoto

*Department of Interventional Radiology, Miyakojima IGRT Clinic*

O-11-4 A simple experimental model of air embolization associated with percutaneous lung biopsy

Mitsuhiro Kishino

*Mitsui Memorial Hospital*

## Day 2 Friday, June 1 Room 4 (Étoile)

- O-11-5 MRI-guided needle biopsy with a high-field open MRI: a phantom study of needle artifacts  
Yusuke Matsui  
*Department of Radiology, Okayama University Medical School, Okayama, Japan*
- O-11-6 Transarterial therapy using Steerable Microcatheter and Outer Cannula of puncture needle (SMOC)  
Yuichiro Kawahara  
*Department of Radiology, Yokohama Rosai Hospital, Kanagawa, Japan*
- O-11-7 Carbon dioxide dissolved in physiological saline: Application for contrast media  
Shinichi Ota  
*Department of Radiology, Shiga University of Medical Sciences, Otsu, Japan*
- O-11-8 Peripheral arteriovenous malformation: Yakes classification and management by absolute alcohol  
Luan Dinh Nguyen  
*Gia Dinh Hospital*
- O-11-9 Endovascular Treatment for Acute Thromboembolic of Superior Mesenteric Artery: Cases Report  
Luan Dinh Nguyen  
*Gia Dinh Hospital*

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### 16:30-17:30 Scientific Session 12

p000

#### Venous (2)/lymphatic System

Chairs: Alisa Suzuki-Han *Harbor UCLA Medical Center, Department of Radiology*  
Jinoo Kim *Ajou University Medical Center*

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- O-12-1 Lymphatic intervention for various non-traumatic and post-operative chylous leakages  
Saebeom Hur  
*Seoul National University Hospital*
- O-12-2 Treatment of chylous ascites  
Jinoo Kim  
*Ajou University Medical Center*
- O-12-3 Interventional management of postoperative chylothorax  
Dongho Hyun  
*Samsung Medical Center*
- O-12-4 Superior vena cava stenting for malignant SVC obstruction: Up to date  
Jong Woo Kim  
*Department of Radiology and Research Institute of Radiology, University of Ulsan College of Medicine, Asan Medical Center*
- O-12-5 Safety and efficacy of endovascular therapy as the primary mode of treatment in venous thoracic outlet syndrome  
Jong Woo Kim  
*Department of Radiology and Research Institute of Radiology, University of Ulsan College of Medicine, Asan Medical Center*

## Day 2 Friday, June 1 Room 4 (Étoile)

O-12-6 Sharp recanalization of central venous occlusions in hemodialysis patients

Jinoo Kim

*Ajou University Medical Center*

O-12-7 Postoperative Chylous Leak after Esophageal and Lung cancer Operation: Thoracic Duct Lymphangiography and Embolization

Yang-Jun Kang

*Chonnam National University Hospital*

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17:40-18:30

### Sponsored Seminar 4

p000

Microballoon-related Interventions

~An Update on End-hole and Proximal Side-hole Microballoon Catheter~

Chair: Shiro Miyayama *Department of Diagnostic Radiology, Fukuiken Saiseikai Hospital*

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SS-4 Microballoon catheter : Various kinds of clinical applications

Masanori Inoue

*Department of Diagnostic Radiology, Keio University*

LOGOSSWITCH : A novel selective embolization by a SWITCH of our idea

Hiroshi Anai

*Department of Radiology & IVR Center, Nara City Hospital*

Sponsored by PIOLAX MEDICAL DEVICES, INC.

10:20-11:50 **技術教育セミナー 3 Technical Educational Session 3**

p000

内臓動脈瘤  
Visceral and renal artery aneurysms

コーディネーター: 作原 祐介 (Yusuke Sakuhara)

斗南病院

*Department of Diagnostic and Interventional Radiology, KKR Tonan Hospital*

1 総論

Introduction

作原 祐介 (Yusuke Sakuhara)

斗南病院

*Department of Diagnostic and Interventional Radiology, KKR Tonan Hospital*

2 内臓動脈瘤の塞栓率を高めるための工夫について

XXXXXXXX

保本 卓 (Xxxx Xxxx)

都島放射線科クリニック

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3 困難症例への対応について (リモデリングテクニック併用症例など)

Embolization for complicated visceral arterial aneurysms

松本 知博 (Tomohiro Matsumoto)

東海大学八王子病院

*Department of Radiology, Tokai University Hachioji Hospital, Tokai University School of Medicine*

4 マイクロバルーン、マイクロカテーテル併用下でのコイル塞栓術: 内臓動脈瘤への応用

Coil embolization by combination of microballoon and microcatheter: application to visceral artery aneurysm

佐口 徹 (Toru Saguchi)

東京医科大学

*Department of Radiology, Tokyo Medical University*

12:00-12:50 **Luncheon Seminar 10**

p000

Exploring New Indication & Technology in Interventional Oncology

Chair: Koichiro Yamakado *Department of Radiology, Hyogo College of Medicine*

LS-10 New challenge and new technique in TAE (T.B.D.)

Uei Pua

*Department of Diagnostic Radiology, Tan Tock Seng Hospital*

New challenge and new technique in Coil embolization (T.B.D.)

Yoshiaki Katada

*Department of Radiology, Tokyo Women's Medical University Medical Center East*

New challenge and new technique in TACE (T.B.D.)

Yoshihisa Kodama

*Department of Radiology, Teine Keijinkai Hospital*

Sponsored by Boston Scientific Japan K.K.



15:00-16:30 **技術教育セミナー 4 Technical Educational Session 4** p000

血流改変術 Flow modification

コーディネーター：鶴崎 正勝 (Masakatsu Tsurusaki)  
近畿大学  
*Department of Radiology, Kindai University Faculty of Medicine*

1 新規デバイスを用いた血流改変術 (DP-CARを中心に)  
Flow modification with new devices  
鶴崎 正勝 (Masakatsu Tsurusaki)  
近畿大学  
*Department of Radiology, Kindai University Faculty of Medicine*

2 大動脈ステントグラフト留置術における血流改変術  
Embolization prior to EVAR or TEVAR  
本郷 哲央 (Norio Hongo)  
大分大学  
*Oita University Faculty of Medicine*

3 リザーバー留置術における血流改変術  
Techniques of arterial redistribution for percutaneous placement of an indwelling catheter  
西尾福英之 (Hideyuki Nishiofuku)  
奈良県立医科大学  
*Radiology, IVR Center, Nara Medical University*

16:30-17:30 **倫理講習会 Ethics Training Session** p000

座長：齋藤 博哉 (Hiroya Saito)  
札幌東徳洲会病院 画像・IVRセンター  
*Imaging and Interventional Radiology Center, Sapporo Higashi Tokushukai Hospital*

1 医療倫理 Medical Ethics  
浅井 篤 (Atsushi Asai)  
東北大学大学院医学系研究科  
*Tohoku University Graduate School of Medicine, Sendai, Japan*

17:40-18:30

**Sponsored Seminar 5**

p000

Meet the Experts -UAE Techniques and Tips-

Chairs: Hideyuki Nishiofuku *Nara Medical University Radiology, IVR Center*

Shiro Onozawa *Teikyo University Mizonokuchi Hospital Department of Radiology*

SS-5

Yasunori Taki

*Chofu Keijinkai Clinic*

*Department of Radiology*

Tetsuya Katsumori

*Saiseikai Shiga Hospital*

*Department of Radiology*

Sponsored by Nippon Kayaku Co.,Ltd.

9:00-10:20

**Symposium 9**

p000

Trauma IR : Current status and future trend

Chairs: Yasuo Nakajima *Department of Radiology, St. Marianna University School of Medicine*  
Hwan Jun Jae *Seoul National University Hospital, Korea*

**SY-9-1** Aggressive Endovascular Treatment in Trauma

Hwan Jun Jae  
*Seoul National University Hospital, Korea*

**SY-9-2** Effect of the Hybrid ER System in Severe Trauma: Quick CT, Rapid Surgery, and Expanded Indication for IVR

Takahiro Kinoshita  
*Osaka General Medical Center, Division of Trauma and Surgical Critical Care*

**SY-9-3** Splenic embolization for trauma patients

Gerard S Goh  
*The Alfred Hospital, Australia*

**SY-9-4** Gunshot injury: Diagnosis and IR

Alisa Suzuki-Han  
*Harbor UCLA Medical Center*

**SY-9-5** Radiologists' role in trauma care is getting more significant!

Junichi Matsumoto  
*St. Marianna University School of Medicine, Kawasaki, Japan,*  
*National Hospital Organization Disaster Medical Center, Tachikawa, Japan*

**SY-9-6** Who should play the major role in trauma IR?

Hiroshi Kondo  
*Teikyo University School of Medicine*

10:30-11:50

**Symposium 10**

p000

Ablation

Chairs: Koichiro Yamakado *Hyogo College of Medicine*  
Afshin Gangi *University Hospital Strasbourg, France*

**SY-10-1** RFA and MWA in the Treatment of Malignant Hepatic Neoplasms

Yi-You Chiou  
*Division of Gastrointestinal Radiology, Department of Radiology, Taipei Veterans General Hospital, Taipei, Taiwan*

**SY-10-2** "Role of Radiofrequency ablation as a salvage treatment for recurrent fibromatosis": Retrospective analysis

S. S. Kulkarni  
*TATA Memorial Hospital, Interventional Radiology, Mumbai, India*

**SY-10-3** MSK tumor ablation

Afshin Gangi  
*University Hospital Strasbourg, France*

## Day 3 Saturday, June 2 Room 1 (Palais Royal A)

**SY-10-4** MRI guided High Intensity Focused Ultrasound in tumor therapy

Roberto Blanco Sequeiros  
*Turku University Hospital, Finland*

**SY-10-5** Tumor Ablation and Cancer Immunology

Haruyuki Takaki  
*Hyogo College of Medicine*

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12:00-12:50 **Luncheon Seminar 11** p000

How to Master Stent-graft for PAD

Chair: Yukunori Korogi *University of Occupational and Environmental Health, Japan*

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**LS-11** Rationale and Current Evidence of cTACE

Shunsuke Sugawara  
*National Cancer Center Hospital*

How to enhance the effects of cTACE: Technical tips and tricks

Toshihiro Tanaka  
*Nara Medical University*

Sponsored by FujiPharma Co., Ltd.

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13:00-13:30 **Special Lecture 7** p000

Special Lecture from Japan 1

Chair: Shigeru Furui *Department of Medical Radiology, Faculty of Medical Technology, Teikyo University*

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**SL7** Percutaneous isolated perfusion therapy for advanced cancers

Satoru Murata  
*IVR Center, Teikyo University Chiba Medical Center*

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13:30-14:00 **Special Lecture 8** p000

Special Lecture from Japan 2

Chair: Seishi Nakatsuka *Department of Diagnostic Radiology, school of Medicine, Keio University*

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**SL8** MSK Embolization: How to Perform Procedures Safely and Effectively

Yuji Okuno  
*Okuno Clinic.*

14:00-15:20

**Symposium 11**

p000

Let's Start lymphatic IR

Chairs: Takuji Yamagami *Department of Radiology, Kochi Medical School, Kochi University*  
Shuji Kariya *Kansai Medical University, Radiology*

**SY-11-1** Imaging of lymphatic systems and traditional lymphangiography

Shuji Kariya  
*Kansai Medical University, Radiology*

**SY-11-2** Intranodular Lymphangiography and Direct Puncture Retrograde Thoracic Duct Access

Masayoshi Yamamoto  
*Teikyo University School of Medicine*

**SY-11-3** Therapeutic lymphangiography

Tomohiro Matsumoto  
*Tokai University Hachioji Hospital, Tokai University School of Medicine*

**SY-11-4** Thoracic duct embolization

Alisa Suzuki-Han  
*Harbor UCLA Medical Center*

**SY-11-5** Other lymphatic IRs

Masanori Inoue  
*Keio University*

15:30-16:50

**Symposium 12**

p000

New technology and Devices

Chairs: Takamichi Murakami *Department of Radiology, Kobe University Graduate School of Medicine*  
Thomas Schmitz-Rode *Institute of Applied Medical Engineering, RWTH Aachen University*

**SY-12-1** Biohybrid approach for new cardiovascular implants

Thomas Schmitz-Rode  
*Institute of Applied Medical Engineering, RWTH Aachen University*

**SY-12-2** Application of virtual reality technology for radioprotection in interventional radiology

Takeshi Takata  
*Graduate School of Medical Care and Technology, Teikyo University, Tokyo, Japan*

**SY-12-3** Planning and Simulation tool for RFA tumor ablation, emphasis on Liver tumors

Roberto Blanco Sequeiros  
*Turku University Hospital, Finland*

**SY-12-4** IVR-Gel Spacer Injection, Materials, Technique and Benefit in High Precision Radiotherapy

Kazushi Kishi  
*Sapporo High Functioning Radiotherapy Center (SAFRA), Hokkaido Ono Memorial Hospital, Sapporo City, Japan*

## Day 3 Saturday, June 2 Room 1 (Palais Royal A)

SY-12-5 XXXXXXXXXXXX  
Anchalee Churojana  
*Mahidol University*

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17:00-17:10 **Closing Remarks**

9:00-10:20 **How to publish your scientific paper to the high class Journal?** p000

Chairs: Koji Sugimoto *Department of Radiology and Center for Endovascular Therapy, Kobe University Hospital*

Klaus Hausegger *Klinikum Klagenfurt am Wörthersee Institut für Diagnostische und Interventionelle Radiologie Vorstand*

1 **How to publish your scientific work in a high-ranking Journal**

Klaus Hausegger

*Klinikum Klagenfurt am Wörthersee Institut für Diagnostische und Interventionelle Radiologie Vorstand*

2 **Tips on publishing in competitive peer-reviewed journals**

John Kaufman

*Department of Interventional Radiology, Dotter Interventional Institute. Oregon Health & Science University*

3 **“Interventional Radiology” welcomes your manuscript**

Shiro Miyayama

*Department of Diagnostic Radiology, Fukuiken Saiseikai Hospital*

4 **Publishing a scientific paper in a high impact journal: Trials and Tribulations**

Bien Soo Tan

*Singapore General Hospital*

10:30-11:50 **Symposium 13** p000

**Varicose vein: Time for IR**

Chairs: Michael Åkesson *Scandinavian Venous Centre/Lund University*

Shiro Onozawa *Department of Radiology, Teikyo Mizonokuchi Hospital, Kawasaki, Japan*

SY-13-1 **Varicose veins: History, Pathophysiology and Treatment**

Toshiya Nishibe

*Tokyo Medical University Department of Cardiovascular Surgery*

SY-13-2 **RFA treatment of varicose vein of the lower extremity**

John Kaufman

*Department of Interventional Radiology, Dotter Interventional Institute. Oregon Health & Science University*

SY-13-3 **Current status of endovenous ablation for varicose veins in JAPAN**

Masayuki Hirokawa

*Ochanomizu Vascular & Vein Clinic*

SY-13-4 **Current topics and new devices for the IR treatment of varicose vein**

Michael L Åkesson

*Scandinavian Venous Centre/Lund University*

12:00-12:50 **Luncheon Seminar 12**

p000

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Chair: XXXX XXXX XXXXXXXX

LS-12 XXXXXXXXXXXX

Michael Dake

*Thelma and Henry Doelger Professor of Cardiovascular Surgery-Stanford University*

Sponsored by Cook Japan Co., Ltd.

14:00-15:20 **Scientific Session 13**

p000

EVAR

Chairs: Fuxian Zhang *Beijing Shijitan Hospital of Capital Medical University*

Yukihisa Ogawa *Department of Radiology, St. Marianna University School of Medicine*

O-13-1 Mid-term outcomes of endovascular abdominal aortic repair at our institution

Yukihisa Ogawa

*Department of Radiology, St. Marianna University, School of Medicine*

O-13-2 Chronic results of endovascular management of type II endoleak with sac expansion after EVAR

Norio Hongo

*Department of Radiology, Oita University, Oita, Japan*

O-13-3 Long-term outcome of type II endoleak embolization after endovascular abdominal aortic repair (EVAR)

Hiroki Horinouchi

*Department of Radiology and Center for Endovascular Therapy, Kobe University Hospital, Kobe, Japan*

O-13-4 Predictive factors of type 2 endoleaks after EVAR with occluded inferior mesenteric artery

Takuya Okada

*Department of Radiology and Center for Endovascular Therapy, Kobe University Hospital, Kobe, Japan*

O-13-5 Outcome of Type 2 Endoleaks following Endovascular aortic repair of abdominal aortic aneurysms

Loy Liang Meng

*Interventional Radiology, Singapore General Hospital, Singapore*

O-13-6 Initial experience of Sac Embolization with Balloon Occlusion of the Aorta (SEBOA)

Keishi Fujiwara

*Department of Radiology, St. Marianna University School of Medicine*

O-13-7 Can IBE device replace the hypogastric artery embolization during EVAR ?

Satoru Nagatomi

*Department of Radiology, Nara Medical University, Nara, Japan*



15:30-16:50 **Scientific Session 14**

p000

Urology

Chairs: Satoru Morita *Department of Diagnostic Imaging and Nuclear Medicine, Tokyo Women's Medical University Hospital, Tokyo, Japan*

Shu-Huei Shen *Department of Radiology, Taipei Veterans General Hospital, Taipei, Taiwan*

- O-14-1 Cost-effectiveness analysis of cryoablation versus partial nephrectomy for renal tumor less than 4cm  
Shunsuke Sugawara  
*Department of Diagnostic Radiology, National Cancer Center, Tokyo, Japan*
- O-14-2 Cryoablation for renal tumors in the patients with renal impairment  
Yasuyuki Yamahana  
*Department of Radiology, Kyoto Prefectural University of Medicine, Kyoto, Japan*
- O-14-3 Percutaneous Renal Cryoablation in Severely Obese Patients at our institution  
Mayu Uka  
*The Department of Radiology, Okayama University Medical School*
- O-14-4 Perfusion CT for Predicting Treatment Response of Cryoablation in Renal Tumors  
Oyunbold Lamid-Ochir  
*Department of Diagnostic Radiology and Nuclear Medicine, Gunma University Graduate School of Medicine*
- O-14-5 A novel technique to prevent thermal injury of ureter during cryoablation of renal tumor  
Chienchuan Huang  
*Department of Diagnostic Radiology, National Cancer Center Hospital, Tokyo, Japan*
- O-14-6 Preoperative lipiodol marking for renal cell carcinoma of CT guided cryoablation  
Kenji Kajiwara  
*Radiology, Kochi University Hospital, Kochi, Japan*
- O-14-7 Retrograde ureteric stent retrieval and change in the female patient by the IR  
Luke Han Wei Toh  
*KK Women's and Children's Hospital, Singapore; Singapore General Hospital, Singapore*
- O-14-8 Three cases of nonischemic priapism treated effectively with multiple TAE using gelatin sponge  
Takeshi Suzuki  
*Department of Radiology, Shinshu University School of Medicine, Matsumoto, Japan*
- O-14-9 A new method of an axial puncture approach for draining deep pelvic abscess  
Kanichiro Shimizu  
*Department of Radiology, The Jikei University School of Medicine, Kashiwa Hospital, Chiba, Japan*

## Day 3 Saturday, June 2 Room 3 (Châtelet)

8:00-8:50 **Morning Seminar 3** p000

Ninja Dojo  
-Tips & Pitfalls of Steerable microcatheter-

Chair: Matthew S. Johnson *Indiana University*

MS-3

Daisuke Abo  
*Department of Radiology, Hokkaido University Graduate School of Medicine*

Masashi Shimoihira  
*Department of Radiology, Nagoya City University Graduate School of Medical Sciences*

Sponsored by Sumitomo Bakelite Co., Ltd.

9:00-11:50 **MSG研究会** p000

Japanese Society of Endoluminal Metallic Stents & Grafts:  
The 36th Annual Meeting

12:00-12:50 **Luncheon Seminar 13** p000

Endoleak War Episode NCVC ~Preemptive Attack Based on 11-year-  
Struggle.

Chair: Koji Sugimoto *Center for Endovascular Therapy, Kobe University Hospital*

LS-13

Tetsuya Fukuda  
*Department of Radiology, National Cerebral Cardiovascular Center*

Sponsored by Medtronic Japan Co., Ltd.

14:00-17:00 **肝動脈塞栓療法研究会** p000

Japanese Study Group of Hepatic Artery Embolization:  
The 22nd Annual Meeting

8:00-8:50

メディカルスタッフポスター口演

p000

座長： 安田 澄代 (Sumiyo Yasuda)  
名古屋大学 中央放射線部  
Nagoya University Hospital, Interventional Radiology  
増渕 祐介 (Yusuke Masubuchi)  
那須赤十字病院 放射線部  
Nasu Red Cross Hospital

MP-1 Cone-Beam CT(CBCT) 及び汎用型ワークステーションを用いた肝実質灌流領域シミュレーションの検討(第1報)

長尾 好浩 (Yoshihiro Nagao)  
徳島赤十字病院 放射線科  
Department of Radiological Technology, Tokushima Red Cross Hospital, Komatsushima, Japan

MP-2 人工気胸併用腎凍結療法における肺・軟部組織同時観察可能なCT画像表示法の視覚評価に関する検討

浅野 和也 (Kazuya Asano)  
群馬大学医学部附属病院 放射線部  
Department of Radiology, Gunma University Hospital, Maebashi, Japan

MP-3 千葉県内における血管撮影部門の実態調査2017－放射線防護・管理を中心に－

石川 貴久 (Takahisa Ishikawa)  
総合病院国保旭中央病院 診療技術局 放射線科  
Asahi General Hospital, Asahi, Japan

MP-4 CT透視の管電圧設定に対する画質の検討

有田 圭吾 (Keigo Arita)  
大阪市立大学医学部附属病院 中央放射線部  
Osaka City University Hospital, Osaka, Japan

MP-5 A病院における看護師の放射線に対する知識・イメージの実態調査

鈴木 恵子 (Keiko Suzuki)  
日本医科大学武蔵小杉病院 看護部  
Nippon Medical School Musashikosugi Hospital, Kanagawa, Japan

MP-6 カテ室の特性に適した業務手順書の作成－異動者が手順書を活用して業務習得をするために－

山下みどり (Midori Yamashita)  
聖マリアンナ医科大学 横浜市西部病院  
St. Marianna University School of Medicine Yokohama city Seibu Hospital, Kanagawa, Japan

MP-7 肝動脈化学塞栓療法 (TACE) 時の抗がん剤暴露対策

澤田由香利 (Yukari Sawada)  
東京大学医学部附属病院  
The University of Tokyo Hospital

MP-8 A病院IVR従事者水晶体被ばく線量の実態調査

増島ゆかり (Yukari Masujima)  
日本医科大学武蔵小杉病院 看護部  
Nippon Medical School Musashikosugi Hospital, Kanagawa, Japan

9:00-9:50

メディカルスタッフシンポジウム

p000

第一部 看護師セッション：IVR看護におけるリスクマネジメント  
Part I Nurse's session "Risk management in IVR nursing"

座長： 福嶋 敬子 (Keiko Fukushima)  
愛知県がんセンター中央病院 看護部  
Aichi Cancer Center Hospital Nursing Department  
對馬真貴子 (Makiko Tsushima)  
青森県立中央病院 外来看護班  
Aomori Prefectural Central Hospital

MSY1-1 脳IVR看護のリスク管理  
Risk management of brain IVR nursing  
曾我部恵子 (Keiko Sogabe)  
大阪警察病院  
Osaka Police Hospital, OSAKA City, JAPAN

MSY1-2 抗血栓薬服用患者に対する心臓IVR施行時のリスク管理  
～膀胱留置カテーテルによる尿道損傷への対応～  
Risk management of patients treated with antithrombotic therapy in cardiac IVR  
- Response to urethral damage by bladder indwelling catheter -  
相良久美代 (Kumiyo Sagara)  
大分県厚生連鶴見病院  
Oita Koseiren Tsurumi Hospital, Oita, Beppu, Japan

MSY1-3 腹部IVRにおけるリスクマネジメント：IVR室における抗がん薬暴露対策  
Risk management of the exposure of anticancer drugs in IVR room  
兒玉 佐和 (Sawa Kodama)  
奈良県立医科大学附属病院  
Nara Medical University Hospital

10:00-10:50

メディカルスタッフシンポジウム

p000

第二部 診療放射線技師セッション：IVRにおける創意工夫ナビゲートwith Nurse  
Part II Radiological technologist's session "Ingenuity and navigation in IVR,  
with Nurse"

座長： 先山 耕史 (Koshi Sakiyama)  
昭和大学藤が丘病院 放射線室  
Department of Radiological Technology, Showa University Fujigaoka Hospital  
市田 隆雄 (Takao Ichida)  
大阪市立大学 中央放射線部  
Osaka City University Hospital, Department of Radiology

MSY2-1 Workstation Techniqueを用いたinnovative IVR with Navigation  
The innovative IVR with Navigation using Workstation Technique  
山本 和幸 (Kazuyuki Yamamoto)  
東海大学医学部付属病院 診療技術部 放射線技術科  
TOKAI University Hospital, Kanagawa, JAPAN

## Day 3 Saturday, June 2 Room 4 (Étoile)

**MSY2-2** 腹部IVRにおけるCBCTの撮影技術 – コツと注意点 –  
CBCT Imaging for Abdominal IVR -tips, tricks and traps-  
高尾 由範 (Yoshinori Takao)  
大阪市大病院医学部附属病院  
Osaka City University Hospital

**MSY2-3** 技師が提案するIVRCTとCBCTのすみわけ  
IVRCT and CBCT proposed by the radiological technologist  
山下 慎一 (Shinichi Yamashita)  
東京慈恵会医科大学附属病院  
THE JIKEI UNIVERSITY HOSPITAL

**MSY2-4** IVRにおける三位一体の中にある看護師の想い  
The nurse's role of the medical system for IVR  
知識亜紀子 (Akiko Chishiki)  
聖マリアンナ医科大学病院  
St. Marianna Medical School Hospital

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11:00-11:50 **メディカルスタッフシンポジウム**

p000

第三部 合同セッション：IVR室におけるタイムアウトの現状  
Part III Joint session "Actual of timeout in the IVR room"

座長： 小川 健二 (Kenji Ogawa)

日本鋼管病院  
Nipponn Koukan Hospital

安田 光慶 (Mitsuyoshi Yasuda)

昭和大学大学院保健医療学研究所 / 昭和大学江東豊洲病院放射線室  
Department of Radiological Technology, Showa University Hospital

丹呉 恵理 (Eri Tango)

東京女子医科大学病院看護部  
Tokyo Women's Medical University Hospital

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**MSY3-1** 当院におけるタイムアウト：医師  
Time out at our hospital : Doctor

生口 俊浩 (Toshihiro Iguchi)

岡山大学病院 放射線科

Department of Radiology, Okayama University Medical School, Okayama, Japan

**MSY3-2** 当院におけるタイムアウト：診療放射線技師  
Time out at our hospital : Radiological technologist

先山 耕史 (Koshi Sakiyama)

昭和大学藤が丘病院 放射線技術部

Department of Radiological Technology, Showa University Fujigaoka Hospital

**MSY3-3** 当院におけるタイムアウト：看護師  
Time out at our hospital : Nurse

小林ナオミ (Naomi Kobayashi)

帝京大学医学部附属病院

Teikyo University Hospital Tokyo Japan

12:00-12:50 Luncheon Seminar 14

p000

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Chair: XXXX XXXX XXXXXXXXXXXX

LS-14 XXXXXXXXXXXXX

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Sponsored by TERUMO CORPORATION

14:00-17:00 経皮凍結療法講習会  
Lectures on percutaneous cryoablation

p000

座長： 清水 匡 (Tadashi Shimizu)  
国家公務員共済組合連合会 斗南病院  
KKR Tonan Hospital, Sapporo, Japan

1 凍結療法の物理的基礎 (仮題)

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高松 洋 (XXXX XXXX)

九州大学 工学部

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2 凍結療法の基礎  
Principles of Cryoablation

最上 拓児 (Takuji Mogami)

東京歯科大学

Department of Radiology, Tokyo Dental College Ichikawa General Hospital

3 腎癌の凍結療法  
Cryoablation for Renal Cell Carcinoma

高木 治行 (Haruyuki Takaki)

兵庫医科大学

Hyogo College of Medicine, Nishinomiya, Japan

4 合併症と対策  
Complication and management

藤原 寛康 (Hiroyasu Fujiwara)

岡山市立市民病院

Okayama City Hospital, Japan

5 腎がん以外の凍結療法  
Percutaneous Cryoablation of Various Diseases except for Renal Cancer

宮崎 将也 (Masaya Miyazaki)

群馬大学

Gunma University Hospital, Maebashi, Japan

9:00-10:20

**日本IVR学会ガイドライン委員会主催ガイドライン講演会  
JSIR Guideline Lecture Meeting**

p000

座長： 山上 卓士 (Takuji Yamagami)

高知大学医学部放射線医学  
Department of Radiology, Kochi Medical School, Kochi University

1 診療ガイドライン作成の全体像  
Overview of Clinical Practice Guideline Development

森實 敏夫 (Toshio Morizane)

日本医療機能評価機構  
Japan Council for Quality Health Care, Tokyo, Japan

10:30-11:50

**技術教育セミナー 5 Technical Educational Session 5**

p000

透析・バスキュラーアクセス hemodialysis vascular access

コーディネーター： 森本 章 (Akira Morimoto)

井上病院  
Department of Radiology, Inoue Hospital

1 透析 VAの総論  
Vascular access for hemodialysis

小川 智也 (Tomonari Ogawa)

埼玉医科大学 総合医療センター  
Department of Nephrology and Hypertension, Bloodpurification Center Unit, Saitama Medical Center,  
Saitama Medical University

2 治療に役立つシャントの触診  
The helpful palpation skills of the arteriovenous fistula for the vascular access  
intervention therapy

森本 章 (Akira Morimoto)

井上病院  
Department of Radiology, Inoue Hospital

3 バスキュラーアクセスのIVR治療  
Interventional treatment for vascular access failure

後藤 靖雄 (Yasuo Goto)

シャントクリニック仙台東  
Shunt Clinic Sendai-Higashi

12:00-12:50

**Luncheon Seminar 15**

p000

The Latest Clinical Practice of Peripherally Inserted Central Venous  
Catheter(PICC) and Peripherally Inserted Venous Port.

Chair: Hidefumi Mimura *Department of Radiology, St.Marianna University school of Medicine*

LS-15 Takanori Taniguchi

Department of Radiology, Tenri Hospital

Sponsored by MEDICON, INC.

14:00-15:30 **メディカルスタッフ口演**

p000

座長： 祇園 由美 (Yumi Gion)  
岡山大学病院 看護部 放射線部  
Department of Radiology, Okayama University Hospital  
高倉 永治 (Nagaharu Takakura)  
聖マリアンナ医科大学病院画像センター  
St. Marianna University Hospital  
金城 忠志 (Tadashi Kaneshiro)  
日本医科大学武蔵小杉病院 血管内・低侵襲治療センター  
Nippon Medical School Musashi Kosugi Hospital

MO-1 下肢2D-Perfusion撮影時の画像安定方法の検討

大山 高一 (Kouichi Ooyama)  
筑波大学 附属病院 放射線部  
University of Tsukuba Hospital, Ibaraki, Japan

MO-2 アンギオCTによるTACE navigationシステムの開発：新規CTHA撮像法の評価

柴田 佳祐 (Keisuke Shibata)  
奈良県立医科大学附属病院 中央放射線部  
Nara Medical University Hospital

MO-3 コーンビームCTにおける4D撮影の被ばく線量と画質の検討

大澤 充晴 (Mitsuharu Osawa)  
愛知医科大学病院  
Aichi Medical University Hospital, Nagakute, Japan

MO-4 透視における線質についての検討

小笠原将士 (Masashi Ogasawara)  
札幌医科大学附属病院 放射線部  
The Department of Radiology and Nuclear Medicine, Sapporo Medical University Hospital, Sapporo, Japan

MO-5 IVRに従事する医師の水晶体被ばくの基礎的検討

荒井 一正 (Kazumasa Arai)  
武蔵野赤十字病院 放射線技術科  
Japanese Red Cross Musashino Hospital, Tokyo, Japan

MO-6 複数の線量計を用いた水晶体被ばく推定のための検証

村館 佳将 (Keisuke Muradate)  
国立病院機構 高崎総合医療センター 診療放射線科  
National Hospital Organization Takasaki General Medical Center, Takasaki, Japan

MO-7 診療放射線技師によるIVR介助業務の人材の育成・教育

大溝 翼 (Tsubasa Omizo)  
手稲深仁会病院 診療技術部  
Medical Treatment Department Teine Keijinkai Hospital, Sapporo, Japan

MO-8 IVR中の患者への身体抑制適正化への試み～身体抑制フローチャートの作成～

住野 綾香 (Ayaka Sumino)  
奈良県立医科大学附属病院 中央放射線部 IVRセンター  
Central Radiation Department, IVR center, Nara Medical University Hospital, Nara, Japan



## Day 3 Saturday, June 2 Room 5 (Vendôme)

MO-9 安全で効率よいIVRのための放射線技師との連携

引地 和子 (Kazuko Hikichi)  
北海道大学病院 看護部 中央診療検査1ナースセンター  
Hokkaido University Hospital, Hokkaido, Japan

MO-10 脳卒中A選定患者における脳血管再開通療法迅速化への取り組み ~だれでもどこでも迅速に~

高松 幸子 (Takamatsu Sachiko)  
昭和大学江東豊洲病院 脳血管センター  
Showa University Toyosu Koto Hospital, Tokyo, Japan

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### 15:30-16:50 技術教育セミナー 6 Technical Educational Session 6

p000

TEVAR時代の大動脈解離におけるIVR医の役割 XXXXXXXXXXXXXXXXXXXX

座長： 西村 潤一 (Jun-ichi Nishimura)

日本赤十字医療センター  
Department of Radiology, Japanese Red Cross Medical Center

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1 概論 IVR医が知っておきたい大動脈解離の治療根拠  
Knowledge of treatment for the aortic dissection for the interventional radiologist

西村 潤一 (Jun-ichi Nishimura)  
日本赤十字医療センター  
Department of Radiology, Japanese Red Cross Medical Center

2 malperfusionに対するIVR  
Current Treatment Strategies for Complicated Acute Aortic Dissection

西巻 博 (Hiroshi Nishimaki)  
聖マリアンナ医科大学  
Department of Cardiovascular Surgery, St. Marianna University School of Medicine

3 IVR医の知らない大動脈解離の世界  
The world of aortic dissection that the specialists in IVR do not know

安原 清光 (Kiyomitsu Yasuhara)  
伊勢崎市民病院  
Department of Cardiovascular Surgery, Isesaki Municipal Hospital

## Neuro/head and neck ..... p000

- P-1-1**    The Significance of Blush and Arteriovenous Shunting after Mechanical Thrombectomy for Acute Ischemic Stroke  
 Liu Hon-Man  
*Department of Medical Imaging, National Taiwan University Hospital, Taipei, Taiwan*
- ★ **P-1-2**    Experience of RADPLAT for maxillary cancer-consideration on its limitation and usefulness  
 Mika Kamiya  
*Department of Radiology, Hamamatsu University School of Medicine, Hamamatsu, Japan*
- P-1-3**    Efficacy of Intra-arterial Infusion with Concomitant Radiotherapy for Maxillary Sinus Cancer  
 Soma Kumasaka  
*Department of Diagnostic Radiology and Nuclear Medicine, Gunma University Hospital, Gunma, Japan*
- P-1-4**    Pathological analysis of head and neck tumor with preoperative embolization by Embosphere  
 Masazumi Matsuda  
*Department of Radiology, Akita University Graduate School of Medicine, Akita, Japan*
- P-1-5**    Initial experience of stent-assisted coil embolization using LVIS stent for VAD  
 Satomi Ide  
*The Department of Radiology, Faculty of medicine, Oita University Hospital, Oita, Oita*
- P-1-6**    A case of trans-arterial embolization with N-butyl cyanoacrylate for suppurative parotitis  
 Shusuke Kasuya  
*Department of Radiology, Toho University Sakura Hospital, Japan*
- P-1-7**    Endovascular treatment of vertebral artery aneurysm with occlusion of the brachiocephalic artery  
 Kohei Tokuyama  
*Department of Radiology, Nagatomi Neurosurgical Hospital, Oita, Japan*
- P-1-8**    Silent MRA after endovascular embolization using microcoils with prominent metallic artifact  
 Shuichi Tanoue  
*Department of Radiology, Kurume University School of Medicine*
- P-1-9**    The outcome of endovascular treatment for Borden type I transverse-sigmoid sinus dural AVF  
 Ryuichi Shimada  
*The Department of Radiology, Faculty of Medicine, University of Oita, Oita, Japan*
- P-1-10**    Spontaneous hemorrhage in the abdomen; two patients of Guillain-Barré Syndrome were treated by TAE  
 Kenji Nishida  
*Tsuchiura Kyodo General Hospital, Tsuchiura, Ibaraki, Japan*

## Digital Poster Room (Palais Royal C+D)

P-1-11 Prolonged hypotension after carotid artery stenting, consideration of predictive factors

Mika Kamiya

*Radiology, Hamamatsu University School of Medicine, Hamamatsu, Japan*

### Respiratory ..... p000

★ P-2-1 Evaluation of the origin of the last normal branch from feeding artery of the pulmonary AVMs

Miyuki Maruno

*Department of Radiology, Oita University Faculty of Medicine, Yufu, Japan*

P-2-2 A case of pulmonary arterial pseudoaneurysm successfully treated by embolotherapy  
Yuki Wada

*Department of Radiology, Akita University Hospital, Akita, Japan*

P-2-3 Bronchial arterial embolization to control hemoptysis: 32 consecutive cases

Noriaki Wada

*Department of Radiology, National Hospital Organization Fukuoka East Medical Center, Fukuoka, Japan*

P-2-4 Short-and mid-term outcome of bronchial artery embolization in patients with aspergillus infection

Ryusei Zako

*Department of Radiology, Yodogawa Christian Hospital, Osaka, Japan*

P-2-5 Outcomes of Bronchial Artery Embolization Procedures Performed at Our Hospital

Masahiro Takakado

*The Department of Radiology, Ehime Prefecture Central Hospital, Ehime, Japan*

P-2-6 Non-operative management of primary racemose hemangioma of bronchial artery by TAE

Osamu Ikeda

*Department of Diagnostic Radiology, Graduate School of Life Sciences, Kumamoto University, Kumamoto, Japan*

P-2-7 Embolization of aberrant bronchial artery originating from right coronary artery for hemoptysis

Masahiro Hashimoto

*The Department of Radiology, Chutoen General Medical Center, Kakegawa, Japan*

P-2-8 Three Cases of Embolization of the Thoracodorsal Arteries for Hemoptysis Patients with Muscle Flap

Hitoshi Takeuchi

*The Department of radiology, Fukujuji Hospital, Japan Anti-Tuberculosis Association, Tokyo, Japan*

P-2-9 Recommended protocol of CT aortography in bronchial arterial embolization

Akitoshi Inoue

*Department of Radiology, Higashi-Ohmi General Medical Center, Shiga, Japan*

P-2-10 Radiofrequency ablation to the pericardial lung tumor

Shinichi Hamamoto

*Diagnostic and Interventional Radiology, Osaka City University Graduate School of medicine, Osaka Japan*

## Digital Poster Room (Palais Royal C+D)

- P-2-11 RFA for malignant lung tumor: a single center experience  
Yoshihisa Kodama  
*Department of Radiology*
- P-2-12 Evaluation of iceball formation during the freezing of swine lungs injected with hyaluronic acid  
Tatsuya Yoshikawa  
*Department of Radiology, Kyoto Prefectural University of Medicine, Kyoto, Japan*
- P-2-13 Preoperative CT guided color marking of pulmonary nodule for video-assisted thoracoscopic surgery  
Rika Yoshida  
*Department of Radiology, Shimane University, Izumo, Japan*
- P-2-14 CT guided biopsy for the analysis of epidermal growth factor receptor (EGFR) T790M mutation  
Miyuki Nakatani  
*Department of radiology, Kansai medical university, Osaka, Japan*
- P-2-15 CT-guided percutaneous biopsy for pulmonary hilum lymphadenopathy using coaxial biopsy system  
Keitaro Enoki  
*The Department of Radiology, Jikei University Kashiwa Hospital, Chiba, Japan*
- P-2-16 Three cases of Spontaneous mediastinal hematoma in our hospital  
Keita Inoue  
*Otsu Red Cross Hospital, Otsu city, Japan*

### Liver ..... p000

- P-3-1 Eight cases of HCC treated first by DEB-TACE and later by Lip-TACE  
Katsuya Takechi  
*The Department of Radiology, Tokushima Red Cross Hospital, Tokushima, Japan*
- P-3-2 A comparative study of the efficacy of Miriplatin suspension and Miriplatin emulsion in TACE for HCC  
Ryozo Kai  
*NHO Kyushu Medical Center, Department of Radiology, Fukuoka, Japan*
- P-3-3 Clinical outcomes of HCCs treated by TACE with miriplatin versus drug-eluting beads  
Fumiaki Fukamatsu  
*Department of Radiology, Shinshu University School of Medicine, Matsumoto, Japan*
- P-3-4 Hepatocellular carcinoma draining into the right gastroepiploic vein: A report of two cases  
Naoya Kinota  
*Department of Radiology, Obihiro Kosei General Hospital, Hokkaido, Japan*
- ★ P-3-5 Trans Arterial Embolization using Embosphere in Treatment of Multiple Liver Metastases from NET  
Akiyoshi Yamashita  
*Japanese Red Cross Medical Center, Tokyo, Japan*

## Digital Poster Room (Palais Royal C+D)

- P-3-6** Comparison of hyper and isobaric ethiodized oil distribution in swine liver  
Jitsuro Tsukada  
*Department of Radiology, Keio University School of Medicine, Tokyo, Japan*
- P-3-7** Hepatic arterial embolization with indocyanine green for intraoperative liver segmentation  
Ryota Tanaka  
*Department of Radiology, Wakayama Medical University, Wakayama, Japan*
- P-3-8** The optimization of the flow rate and volume on abdominal angiography for experimental rat model  
Junichi Matsumoto  
*The Department of Radiology, Kanazawa University Hospital, Kanazawa, Japan*
- P-3-9** Catheterization into Challenging Vessels with Steerable Microcatheters  
Takeshi Soyama  
*Department of Diagnostic and Interventional Radiology, Hokkaido University Hospital, Sapporo, Japan*
- P-3-10** RFA of HCC combined with percutaneous portal vein occlusion using a balloon catheter  
Daisuke Kato  
*Department of Diagnostic and Interventional Radiology, Hokkaido University Hospital, Hokkaido, Japan*
- P-3-11** A case of HCC with PVTT and multicentric tumors treated with hepatectomy and intraoperative RFA  
Noriaki Yuasa  
*Department of Radiology, Steel Memorial Muroran Hospital, Muroran, Japan*
- P-3-12** Preoperative hepatic vein embolization to induce further liver regeneration  
Kei Shibuya  
*Gunma University Hospital, Department of Diagnostic and Interventional Radiology, Maebashi, Japan*
- P-3-13** Percutaneous transhepatic portal embolization using ethanolamine oleate iopamidol  
Keita Nagawa  
*Division of Radiology, Tokyo Metropolitan Cancer and Infectious Diseases Center Komagome Hospital*
- P-3-14** The future liver remnant in Associating liver partition and trans-ileocecal portal vein embolization  
Mitsunari Maruyama  
*Department of Radiology, Shimane University Faculty of Medicine*
- P-3-15** Transjugular liver biopsy using heart biopsy forceps: feasibility, complications and outcomes  
Tsuyoshi Tajima  
*Department of Radiology, National Center for Global Health and Medicine, Tokyo, Japan*
- P-3-16** Sono-guided Percutaneous RFA for Metastatic Liver Tumor  
Chang Shin-Yuan  
*Department of Radiology, Cheng-Hsin General Hospital, Taipei, Taiwan*
- P-3-17** Radiofrequency Ablation of Hepatocellular Carcinoma under CT Guidance - Long-term Follow-up  
Su Te-Cheng  
*Department of Radiology, Taichung Veterans General Hospital, Taichung, Taiwan*

## Digital Poster Room (Palais Royal C+D)

- ★ P-3-18 Real time CT guided oblique puncture with 'direct MPR' for liver RFA combined with TACE  
Rui Sato  
*Division of Interventional Radiology, Shizuoka Cancer Center*
- P-3-19 CT fluoroscopy-guided drainage of subphrenic abscess with axial puncture method  
Hiroki Yoshikawa  
*Department of Radiology, National Defense Medical College, Saitama, Japan*
- P-3-20 Dual Catheter Placement Technique in Treatment of Post-operative Stricture of Extrahepatic Bile Duct  
Wu Reng-Hong  
*Department of Medical Imaging, Chi Mei Medical Center, Tainan, Taiwan*
- P-3-21 A case of hemorrhagic shock after percutaneous liver biopsy  
Hiroshi Kuwamura  
*The Department of Diagnostic Radiology, National Cancer Center Hospital, Tokyo, Japan*
- P-3-22 Feasibility study for a new fiducial marker with the calcium phosphate cement for radiotherapy  
Ryo Morita  
*Department of Diagnostic and Interventional Radiology, Hokkaido University Hospital, Sapporo, Japan*
- P-3-23 A case report of hepatolithiasis associated with coil  
Hiroaki Tanaka  
*Department of Radiology, University of Ehime, Ehime, Japan*
- P-3-24 Treatment of Budd-Chiari syndrome type IV with PTA: Report of a case  
Noritaka Seino  
*Department of Radiology, Showa University Koto Toyosu Hospital, Tokyo, Japan*
- P-3-25 Polidocanol foam sclerotherapy for a symptomatic large hepatic cyst  
Hiraku Funakoshi  
*The Department of Diagnostic Imaging and Interventional Radiology, Tokyo Women's Medical University YACHIYO Medical Center*

### Alimentary tract/Bile duct/Pancreas ..... p000

- P-4-1 Clinical outcomes of endovascular marker implantation for radiotherapy to pancreatic cancer  
Akira Imaizumi  
*Department of Radiology, University of Yamanashi, Yamanashi pref., Japan*
- P-4-2 A case of pseudoaneurysm treated with VIABAHN stent graft which preserved common hepatic artery  
Junji Kashiwagi  
*Department of Radiology, Oita Prefectural Hospital, Oita, Japan*
- P-4-3 The usefulness of Amplatzer Vascular Plug for Preoperative Embolization before DP-CAR  
Tomoyo Fuji  
*Department of Radiology, University of Hiroshima, Hiroshima, Japan*

## Digital Poster Room (Palais Royal C+D)

- P-4-4** Endovascular Treatment of Superior Mesenteric Artery Pseudoaneurysms Using Covered Stents  
Shuichiro Nakaminato  
*Department of Radiology, Tokyo Medical and Dental University*
- P-4-5** A case of percutaneous CT-guided thrombin injection for pancreatitis-related pseudoaneurysm  
Kenkichi Michimoto  
*Department of Radiology, Fuji City General Hospital*
- P-4-6** Management of hemorrhagic complications after hepatobiliary and pancreatic surgery  
Shinji Yamazoe  
*Department of Radiology, Tokyo Dental College Ichikawa General Hospital*
- P-4-7** Transcatheter arterial embolization after pancreaticoduodenectomy: Risk factor associated with mortality  
Sadao Hayashi  
*Department of Radiology, Kagoshima University Graduate School of Medical and Dental Sciences, Kagoshima, Japan*
- P-4-8** Duodenal rupture treated by direct injection using NBCA after pancreas transplantation  
Daisuke Abo  
*Department of Diagnostic and Interventional Radiology*
- P-4-9** Assessment of safety of transcatheter embolization for diverticular hemorrhage of the colon  
Hidemasa Kikuchi  
*Division of Gastroenterology, Department of internal Medicine, Sakura Medical Center, Faculty of Medicine, Toho university, Chiba, Japan*
- P-4-10** Angiography is not 1st choice for diverticular bleeding  
Shinya Onishi  
*The Department of Radiology, Kochi Health Sciences Center, Kochi, Japan*
- P-4-11** Critical bleed due to aorto-esophageal fistula: an autopsy case report of a rare complication of PTEG  
Hiroaki Ishii  
*Department of Radiology, Okayama City Hospital, Okayama, Japan*
- P-4-12** Usefulness of CT guided drainage for abdominal abscess due to diverticulitis and appendicitis  
Masanaka Watanabe  
*The Department of Radiology, Kyorin University Hospital, Tokyo, Japan*
- P-4-13** Transarterial embolization of pseudoaneurysm after metallic stent implantation for biliary stenosis  
Go Shirota  
*Department of Radiology, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan*
- P-4-14** A case of percutaneous drainage for infected Walled-off Necrosis facilitated with introducer sheath  
Masaaki Hirata  
*Department of Radiology, Matsuyama Simin Hospital Ehime, Japan*

## Digital Poster Room (Palais Royal C+D)

- P-4-15 Two cases of the removal of common bile duct stones by the rendezvous method via the PTGBD route  
Shuichi Yamamoto  
*Department of Radiology, San-in Rosai Hospital, Tottori, Japan*

### Portal vein systems ..... p000

- P-5-1 Percutaneous transhepatic portal vein embolization with NBCA-Lipiodol-Ethanol and vascular plug  
Akira Ikoma  
*Dept. of Radiology, Wakayama Medical University, Wakayama, Japan*
- P-5-2 Portal vein stenting for benign portal vein stenosis due to postoperative inflammation  
Keigo Chosa  
*Diagnostic Radiology, Graduate School of Biomedical Sciences, Hiroshima University*
- P-5-3 Partial obliteration of large portocaval venous shunt (PCVS) for managing hepatic encephalopathy  
Hiroshi Ishiba  
*Gastroenterology, North Medical Center, Kyoto Prefectural University of Medicine, Kyoto, Japan*
- P-5-4 Three cases of meso-caval shunt embolization using vascular plugs  
Hiroto Imaimatsu  
*The Department of Radiology, University of Yamanashi, Yamanashi, Japan*
- P-5-5 Transcatheter shunt embolization for portosystemic encephalopathy  
Tetsuhiro Otsuka  
*Department of radiology, Nagasaki University Hospital, Nagasaki, Japan*
- P-5-6 Peritoneovenous shunt (PVS) for refractory ascites with liver cirrhosis  
Norifumi Hosaka  
*Showa University School of Medicine, Department of Radiology*
- P-5-7 Report on clinical experience of Portal Systemic Shunt using AcuNav  
Toshimasa Sugawara  
*Teikyo University School of Meicine, Dept. of Radiology, Tokyo, Japan*
- P-5-8 Portal vein stenosis with cholangiocarcinoma invasion treated by self expanding stent : two cases  
Ryosuke Abe  
*Department of Radiology, Showa University Hospital. Tokyo, JAPAN*
- P-5-9 Stent Placement for Portal Venous Stenosis after Hepatobiliary and Pancreatic Surgery  
Takayuki Sanomura  
*Department of Radiology, Faculty of Medicine, Kagawa University*
- P-5-10 8 cases treated by transileocolic portal vein embolization before Liver resection  
Kenichi Matsunaga  
*Takeda General Hospital, Fukushima, Japan*
- P-5-11 Succesfull manegment of gastric varices draining lt. inferior phrenic vein joining lt. hepatic vein  
Hiroyuki Tokue  
*Department of Diagnostic and Interventional Radiology, Gunma University Hospital, Gunma, Japan*



## Digital Poster Room (Palais Royal C+D)

P-5-12 Post-stenotic aneurysmal dilatation of the portal vein treated by stent placement: A Case Report

Tomoki Tozawa

*The Department of Radiology, Akita University Graduate School of Medicine, Akita, Japan*

P-5-13 Two cases of balloon-occluded retrograde transvenous obliteration for hepatic encephalopathy

Yoko Uchikawa

*Hitachi General Hospital*

### Obstetrics and Gynecology ..... p000

P-6-1 Efficacy of UAE using gelatin sponge particle for postpartum hemorrhage

Yutaka Masuda

*The Department of Radiology, Kyorin University, Tokyo, Japan*

P-6-2 UAE using Lipiodol and gelatin sponge for Retained product of conception with marked vascularity

Tatsuya Sekiguchi

*The Department of Diagnostic Radiology, Tokai University, Isehara, Japan*

P-6-3 Use of Resuscitative Endovascular Balloon Occlusion of the Aorta to control postpartum hemorrhage

Ken Shinozuka

*Department of Primary Care and Emergency Medicine, Kyoto University Hospital, Kyoto, Japan*

### Urology ..... p000

★ P-7-1 Safety of Embolization of Pseudoaneurysms after Partial Nephrectomy: Review of 52 cases

Yuka Matsuzaki

*School of Medicine, Tokyo Women's Medical University*

P-7-2 Effectiveness of FlightPlan for Liver in the embolization of ruptured renal angiomyolipoma

Kinya Sawada

*Department of Radiology, Takeda General Hospital*

P-7-3 Lipiodol retention of hypovascular renal tumors in lipiodol marking before renal cryoablation

Yusuke Ichijo

*The Department of Radiology, Kyoto Yamashiro General Medical Center, Kyoto, Japan*

P-7-4 Cryoablation of renal cell carcinomas in patients with preexisting chronic kidney disease

Tomomi Sato

*Department of Diagnostic Radiology, Tohoku University Hospital, Sendai, Japan*

P-7-5 Factors affecting local recurrence after percutaneous cryoablation for renal cell carcinomas

Shintaro Kimura

*Department of Diagnostic and Interventional Radiology, Gunma University Hospital, Gunma, Japan*

## Digital Poster Room (Palais Royal C+D)

- P-7-6 The safety and efficacy of percutaneous cryoablation for small renal tumors equivalent to T1a  
Chihiro Itou  
*The Department of Diagnostic Radiology, National Cancer Center Hospital, Tokyo, Japan*
- P-7-7 A case of percutaneous cryoablation for the inaccessible renal cell carcinoma  
Kenji Motohashi  
*The Department of Radiology, The Jikei University School of Medicine, Kashiwa Hospital, Chiba, Japan*
- P-7-8 Factors of respiratory movement affecting the right adrenal vein during venous sampling  
Seiji Iwamoto  
*Department of Radiology Tokushima University Faculty of Medicine, Tokushima, Japan*
- ★ P-7-9 Image-guided percutaneous adrenal biopsy: review of a 10-year experience  
Tetsuya Hasegawa  
*Department of Diagnostic Radiology, National Cancer Center, Tokyo, Japan*
- P-7-10 Evaluation of the prostate and urethra after cryotherapy in normal canine model  
Hiroshi Miura  
*Department of Radiology, Kyoto Prefectural University of Medicine, Kyoto, Japan*
- P-7-11 Intra-arterial chemotherapy for bladder cancer in the elderly  
Hisatoshi Araki  
*Department of Radiology, Faculty of Medicine, Shimane University School, Shimane, Japan*
- P-7-12 Transcatheter embolization for varicocele: A report of two cases  
Kimei Azama  
*Department of Radiology, Ryukyu University Hospital*
- P-7-13 A case of high-flow priapism treated by embolization of penis dorsal artery  
Sachiko Fukuzato  
*Miyazaki Prefectural Miyazaki Hospital, Miyazaki, Japan*

## Aorta/Periphery ..... p000

- P-8-1 A case of stent-graft placement for traumatic subclavian arteriovenous fistula  
Satoshi Tsukahara  
*Department of Radiology, Nagoya City University Graduate School of Medical Sciences*
- P-8-2 Embolization for a rare case of congenital systemic artery to pulmonary artery fistula  
Asako Kuhara  
*Department of Radiology, Kurume University School of Medicine, Kurume, Japan*
- P-8-3 Endovascular treatment for intercostal artery aneurysm associated with coarctation of the aorta  
Kenichiro Ihara  
*Department of Radiology, University of Yamaguchi, Yamaguchi, Japan*
- P-8-4 Coil embolization for false lumens of chronic aneurysmal aortic dissection  
Yoshiro Chiba  
*Endovascular Treatment Group, Mito Saiseikai General Hospital, Ibaraki, Japan*

## Digital Poster Room (Palais Royal C+D)

- ★ P-8-5 2D-shear wave elastography in the evaluation of endoleak after stent-graft treatment of AAA  
Yuya Bando  
*Department of Radiology, Konan Kosei Hospital, Aichi, Japan*
  
- P-8-6 Usefulness of simultaneous embolization by two operators for IIA branches before EVAR  
Hirotaka Tomimatsu  
*The Diagnostic Radiology, Tenri Hospital*
  
- P-8-7 Usefulness of non-contrast MRI to detect a graft-related endoleak after EVAR: a case report  
Shohei Seike  
*Department of Radiology, Hyogo Brain and Heart Center at Himeji, Hyogo, Japan*
  
- P-8-8 Endovascular embolization of type Ia endoleak following TEVAR using Najuta fenestrated endograft  
Hideyuki Torikai  
*Department of Diagnostic Radiology, Hiratsuka City Hospital, Hiratsuka-shi, Kanagawa-Pref., Japan*
  
- P-8-9 Percutaneous transabdominal approach for the treatment of type II endoleaks after EVAR of AAA  
Seiichiro Takao  
*Department of Clinical Radiology, Graduate School of Medical Sciences, Kyushu University*
  
- P-8-10 TAE for Type2 endoleak after EVAR with a triaxial catheter system using a steering microcatheter  
Yasuo Sakurai  
*Diagnostic Radiology, Teine-Keijinkai Hospital, Sapporo, Japan*
  
- P-8-11 Clinical outcome of transarterial embolization for persistent type II endoleak after EVAR  
Shohei Takasugi  
*Department of Radiology, Tottori University Faculty of Medicine, Yonago, Japan*
  
- P-8-12 Outcomes of endovascular treatment for type 2 endoleaks after EVAR in our hospital  
Tomotaka Iraha  
*The Department Radiology, University of St. Marianna, Kanagawa, Japan*
  
- P-8-13 Embolization without coils; Superiority of Vascular Plugs in EVAR and IIA aneurysm follow up  
Takahiro Konishi  
*The Department of Radiology, Tsukuba Medical Center Hospital, Tsukuba, Japan*
  
- P-8-14 Initial result of prophylactic embolization of IMA and/or LA for reduction of type 2 EL after EVAR  
Takafumi Uemura  
*Tenri Hospital, Nara, Japan*
  
- P-8-15 Case report: Contrast-enhanced ultrasound for evaluation of direct sac puncture to type II endoleak  
Masato Saito  
*Department of Radiology, Sapporo Medical University, Sapporo, Japan*

## Digital Poster Room (Palais Royal C+D)

- P-8-16 A rare anastomosis between the celiac trunk and the left colic artery  
Naoko Takenoshita  
*Center for Minimally Invasive Treatment, Nippon Medical School Musashikosugi Hospital, Japan*
- P-8-17 Detectability of the Adamkiewicz artery using low-tube-voltage and low contrast media CT-angiography  
Yoshihiro Kubota  
*Department of Radiology, Chiba University Hospital, Chiba, Japan*
- P-8-18 The introduction of iFlow during percutaneous transluminal angioplasty for arteriovenous fistula  
Yuka Sekiguchi  
*The Department of Diagnostic Radiology, Tokai University, Isehara, Japan*
- P-8-19 Use of NBCA embolization in emergency stent&ndash;graft placement for ruptured aortic or iliac aneurysm  
Shota Ohba  
*Department of Radiology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan*
- P-8-20 A case of direct puncture and coil embolization on a pseudoaneurysm of the iatrogenic femoral artery  
Shigeaki Kanno  
*Department of Radiology, Showa General Hospital*
- P-8-21 Successful case of endovascular treatment for the right common iliac artery injury  
Hironori Onizuka  
*Department of Radiology, Nagasaki University Hospital, Nagasaki, Japan*
- P-8-22 AV fistula in the leg treated with glue embolization under flow control by manual compression  
Makoto Koga  
*Department of Radiology, Akita University School of Medicine, Akita, Japan*
- P-8-23 Initial experience with the TruePath™ CTO Device  
Tomonori Nakamura  
*Matue Seikyoku Hospital, Matue, Japan*
- P-8-24 The initial experience of Outback re-entry catheter for vascular lesions  
Akira Adachi  
*Department of Radiology, Tottori Univesity*
- P-8-25 A case of penile gangrene treated by angioplasty in a hemodialysis patient  
Tomoyasu Sato  
*Department of interventional and Diagnostic Radiology, Tsuchiya General Hospital, Hiroshima JAPAN*

## Vein/Lymphatic ..... p000

- P-9-1 Unconventional vascular access in patients on long-term hemodialysis  
Edward Y.L. Chu  
*Department of Radiology, Queen Mary Hospital, Hong Kong*
- P-9-2 New retrieval technique of the fractured central venous catheter  
Masahiro Inagaki  
*Kobe City Medical Center General Hospital*

## Digital Poster Room (Palais Royal C+D)

- P-9-3** Clinical Feasibility and effectiveness of bedside peripherally inserted central catheter using portable digital radiography in patients with intensive care unit: A single center experience  
Jo Soo-Beom  
*Gyeongsang National University Changwon Hospital*
- P-9-4** Spontaneous migration into mediastinum of a PICC inserted from the left arm: a case report  
Takaaki Fujii  
*Department of Diagnostic and Interventional Radiology, Hokkaido University Hospital, Sapporo, Japan*
- P-9-5** The patency after vascular access intervention therapy using CO2 DSA versus conventional DSA  
Yutaro Tasaki  
*Department of Radiology, Nagasaki University Hospital*
- P-9-6** Peripherally Inserted Central Catheter Placements Using Sherlock 3CG Tip Confirmation System  
Tomomi Yamagishi  
*Radiology Department University of Jikei, Tokyo, Japan*
- P-9-7** In vitro study on blood aspiration rate in adrenal venous sampling catheter  
Daisuke Itoh  
*Department of Radiology, Nerima-Hikarigaoka Hospital*
- P-9-8** Relationship between the maximum value in the ROI on NP-59 scintigraphy and aldosterone level on AVS  
Atsushi Saiga  
*Department of Radiology, Chiba University Hospital, Chiba City, Japan*
- P-9-9** How to improve adrenal vein sampling performance: Pitfall at institution without instructor  
Yasuhiro Hata  
*Department of Radiology, Kochi Health Science Center, Kochi, Japan*
- P-9-10** Metallic Stent Placement for IVC syndrome due to tumor thrombosis with IVC filter: A case report  
Yasunori Arai  
*The Department of Radiology, Kawasaki Municipal Tama Hospital, Kanagawa, Japan*
- P-9-11** A case of successful angioplasty for common iliac venous stenosis due to a neuroendocrine tumor  
Takeshi Wada  
*Department of Radiology, Cancer Institute Hospital of the Japanese Foundation for Cancer Research*
- P-9-12** Therapeutic strategy for pelvic lymphorrhea  
Masayoshi Yamamoto  
*Teikyo University School of Medicine, Department of Radiology, Tokyo, Japan*
- P-9-13** Feasibility of nodal lymphangiography to chylothorax, chylous ascites and lymphorrhea  
Satoyuki Ogawa  
*Osaka City University Graduate School of Medicine, Department of Diagnostic and Interventional Radiology, Osaka, Japan*

## Digital Poster Room (Palais Royal C+D)

- ★ P-9-14 The efficacy of lymph node embolization using N-butyl cyanoacrylate compared to ethanol sclerotherapy in the management of symptomatic lymphoceles after pelvic surgery  
Jeong-Eun Kim  
*Hallym University Medical Center*

### Vascular malformations ..... p000

- P-10-1 Transarterial embolization and transmucosal sclerotherapy for fast flow AVM of tongue base  
Munemasa Okada  
*Department of Radiology, Yamaguchi University Graduate School of Medicine*
- P-10-2 Initial experience of 4D DSA for extra cranial AVM.  
Hirokazu Ashida  
*Radiology Department, The Jikei University of Medicine, Tokyo, Japan*
- P-10-3 A case performed embolosclerotherapy for extensive AVM on right upper limb before minor amputation  
Takahiro Higuchi  
*Tokyo Jikei University Medical School Hospital, Tokyo, Japan*
- P-10-4 A case of hemoptysis from pulmonary arteriovenous malformation after coil embolization  
Kenji Iwata  
*Radiology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan*
- P-10-5 A case of successfully treated bronchopulmonary arterial malformation (BPAM)  
Ferdinand S. Chu  
*Department of Radiology, Queen Mary Hospital, Hong Kong*
- P-10-6 Emergency Embolization with NBCA of Pancreatic Arteriovenous Malformation: A case report  
Keita Nakayama  
*Department of Radiology, Toyokawa City Hospital, Toyokawa, Aichi, Japan*
- P-10-7 High-flow renal arteriovenous fistula successfully treated by TAE with plug and coils: A case report  
Yuki Yoshino  
*Department of Diagnostic and Interventional Radiology, Hokkaido University Hospital, Sapporo, Japan*
- P-10-8 A case of successful treatment of left renal arteriovenous fistula by transvenous approach using Leonis mova®  
Shohei Inui  
*Department of Radiology, Teikyo University School of Medicine, Tokyo, Japan*
- P-10-9 Endovascular treatments without coil for pelvic arteriovenous malformations  
Saori Akashi  
*Dept. of Radiology, Sasebo City General Hospital, Nagasaki, Japan*
- P-10-10 An Embolization of arteriovenous fistula caused by breast tumor biopsy using B-Glue technique  
Naruki Mizobuchi  
*Department of Radiology, Division of Radiology, Showa University School of Medicine, Tokyo, Japan*

## Digital Poster Room (Palais Royal C+D)

- P-10-11 The Durability of Sodium Tetradecyl Sulphate (STS) Foam in vitro Model  
Kazuki Hashimoto  
*Radiology, St. Marianna University School of Medicine, Kanagawa, Japan*

### Visceral aneurysm/SAM ..... p000

- P-11-1 A case of segmental arterial mediolysis: vertebral and visceral artery ruptures in a short time  
Yuki Maruchi  
*Department of Radiology, Aichi Medical University Hospital, Aichi, Japan*
- P-11-2 A case of ruptured multiple visceral aneurysms caused by segmental arterial mediolysis  
Izumi Tanaka  
*The Department of Radiology, Nippon Medical School, Tokyo, Japan*
- P-11-3 Four cases of splenic hilar artery aneurysm treated by transcatheter arterial embolization  
Yoshiaki Watanabe  
*Department of Radiology, Higashiyamoto Hospital, Tokyo, Japan*
- P-11-4 Hemosuccus pancreaticus due to splenic artery aneurysm associated with segmental arterial mediolysis  
Tomoya Nishiyama  
*Department of Radiology, St. Luke's International Hospital, Tokyo, Japan*
- P-11-5 Embolization using Penumbra Occlusion Device for Hemorrhage Following Pancreatobiliary Surgery  
Sohei Yoshida  
*Department of Radiology, Iwate Medical University, Morioka, Japan*
- P-11-6 Endovascular Treatment of Pancreaticoduodenal Arcade Aneurysm Associated with Celiac Axis Occlusion  
Akinori Harada  
*The Department of Radiology, Japanese Red Cross Medical Center, Tokyo, Japan*
- P-11-7 Successful Distal Embolization of a Large Splenic Artery Aneurysm through the Gastroepiploic Arcade  
Go Kawai  
*Department of Medical Radiology, Tokyo Metropolitan Bokutoh Hospital, Tokyo, Japan*
- P-11-8 Rupture of a gastroepiploic artery aneurysm successfully treated by TAE with NBCA: a case report  
Naoko Takenoshita  
*Center for Minimally Invasive Treatment, Nippon Medical School Musashikosugi Hospital, Japan*
- P-11-9 Three cases of embolization for visceral arterial wide neck aneurysm preserving parent artery  
Yosuke Nozawa  
*The Department of Radiology, Jikei University, Tokyo, Japan*
- P-11-10 A case of huge renal artery aneurysm successfully treated with vascular plug placement  
Yukichi Tanahashi  
*The Department of Radiology, University of Gifu, Gifu, Japan*

## Digital Poster Room (Palais Royal C+D)

**P-11-11** Internal iliac artery embolization via the femoro-iliac collateral pathway for iliac artery aneurysm  
Mariko Nakano  
*Department of Diagnostic and Interventional Radiology, Osaka City University Graduate School of Medicine, Osaka, Japan*

**P-11-12** Long-term outcomes of covered-stenting/stent-grafting for visceral/renal aneurysms  
Yoshiaki Katada  
*Tokyo Women's Medical University Medical Center East, Tokyo, Japan*

### Bone and soft tissue ..... p000

**P-12-1** Vertebroplasty and Balloon Kyphoplasty Versus Conservative Treatment for Osteoporotic Vertebral Compression Fractures: A Meta-analysis  
Yuan Wei-Hsin  
*Division of Radiology, Taipei Municipal Gan-Dau Hospital (Managed by Taipei Veterans General Hospital), Taipei, Taiwan*

**P-12-2** Percutaneous image-guided needle biopsy for sclerotic bone lesions  
Yasufumi Ohuchi  
*Department of Radiology, Faculty of Medicine, University of Tottori, Japan*

**P-12-3** A case of multiple vertebral fractures with ankylosing spinal hyperostosis treated by PVP  
Yoshitaka Shida  
*Department of Radiology, National Center for Global Health and Medicine, Tokyo, Japan*

**P-12-4** Sclerotherapy for vertebral aggressive hemangioma: A case report  
Kazumichi Tsukamoto  
*Department of Radiology, Tottori University Faculty of Medicine, Japan*

### Trauma ..... p000

**P-13-1** A case of delayed hemothorax due to inferior phrenic artery injury detected by CT during aortography  
Keigo Matsushiro  
*Dept. of Radiology, Hyogo Prefectural Awaji Medical Center*

**P-13-2** A case of TAE for isolated gallbladder injury by blunt abdominal trauma  
Masato Takeuchi  
*Critical Care Medical Center, Japanese Red Cross Shizuoka Hospital, Shizuoka, Japan*

**P-13-3** Successful treatment of traumatic renal artery dissection by primary stenting: A case report  
Kenta Izaki  
*Department of Radiology, Hyogo Prefectural Kakogawa Medical Center*

**P-13-4** A case of renal injury with urinary extravasation treated by transcatheter arterial embolization  
Tomonori Yoshida  
*Department of Radiology, Sumitomo Hospital, Osaka, Japan*



## Digital Poster Room (Palais Royal C+D)

- P-13-5 Blunt trauma in children : Efficacy and safety of transarterial embolization, 4-years experiences in a single trauma center  
Kwon Hoon  
*Pusan National University Hospital*
- P-13-6 A case of embolotherapy for traumatic lumbar artery injury of the patient with the history of EVAR  
Hiroki Nagayama  
*Department of Radiology, National Hospital Nagasaki Medical Center, Omura, Japan*
- P-13-7 Proximal control with balloon catheter for impalement injury  
Yuri Kon  
*Department of Radiology, St. Marianna University, Kawasaki, Kanagawa, Japan*
- P-13-8 Usefulness of fusion image of 3D CTA and 2D CT in the pelvic angiographic embolization  
Hiroaki Ikeda  
*Department of Radiology, Dokkyo Medical University*
- ★ P-13-9 Usefulness of Coagulation Biomarkers to Detect Arterial Extravasation in Stable Pelvic Fractures  
Makoto Aoki  
*Department of Emergency Medicine, Gunma University Graduate School of Medicine, Maebashi, Japan*

### Non-trauma emergency ..... p000

- P-14-1 Endovascular treatment of carotid blowout syndrome and subclavian artery rupture  
Fumie Kashimi  
*Department of Emergency and Critical Care Medicine, Kisatato University School of Medicine, Kanagawa, Japan*
- P-14-2 Case of transpleural mediastinal drainage by creating iatrogenic pneumothorax  
Yuki Takara  
*Department of Radiology, Tokyo Medical University Hachioji Medical Center, Tokyo, Japan*
- P-14-3 Spontaneous mediastinal hematoma by ruptured bilateral bronchial arteries treated via TAE with NBCA  
Koichi Masuda  
*Department of Radiology, The Jikei University Katsushika Medical Center, Tokyo, Japan*
- P-14-4 The Role of CT angiography in TB related massive hemoptysis  
Achmad B. Aslam  
*Radiol., Brawijaya Univ., Malang, Indonesia*
- P-14-5 Importance of vital signs to determine obtaining CT before TAE for bleeding after pancreatic surgery  
Yuto Chanoki  
*Nara Medical University Department of Radiology, Nara, Japan*
- P-14-6 Two successful cases of TAE for emergent HCC rupture at the initial medical examination  
Hiroshi Miura  
*Department of Radiology, Hino Municipal Hospital, Tokyo, Japan*

## Digital Poster Room (Palais Royal C+D)

- P-14-7 Endovascular treatment for acute superior mesenteric artery embolism: A case report  
Ryosuke Usui  
*Senshu Trauma and Critical Care Center, Rinku General Medical Center, Osaka, Japan*
- P-14-8 Percutaneous aspiration embolectomy using the Penumbra 5MAX ACE for acute mesenteric ischemia  
Masatugu Kawano  
*Department of Radiology, Miyakonojo Medical Association Hospital, Miyakonojo, Japan*
- P-14-9 A rare case of psoas hematoma caused by idiopathic superior gluteal artery aneurysm rupture  
Suguru Hitomi  
*Advanced Emergency & Critical Care Center, Saitama Red Cross Hospital, Saitama, Japan*
- P-14-10 Two cases of ureteral arterial fistula treated with endovascular approach  
Kengo Fujimoto  
*Dept. Radiology, Kagawa University School of Medicine*
- P-14-11 A case of massiveduodenal diverticular hemorrhage treated by transcatheter arterial embolization  
Masashi Hieda  
*The Department of Diagnostic Radiology, Hiroshima City Hiroshima Citizens Hospital, Hiroshima, Japan*
- P-14-12 Embolization of a middle colic artery pseudoaneurysm due to percutaneous endoscopic gastrostomy  
Kaishu Tanaka  
*Department of Radiology, Toyonaka Municipal Hospital, Osaka, Japan*

## Miscellaneous ..... p000

- P-15-1 The efficacy of cone beam CT-based liver perfusion imaging for tumor vascularity and treatment response evaluation after TACE for HCC  
Kim Minuk  
*Ehwa Womans University Mokdong Hospital*
- P-15-2 Development of applications for smart devices to assist IVR practice  
Masaaki Hirata  
*Department of Radiology, Matsuyama Simin Hospital Ehime, Japan*
- ★ P-15-3 Evaluation of usefulness of fatty tissue as an embolic material: A basic investigative animal study  
Kai Takaki  
*Department of Radiology, Shiga University of Medical Science*
- P-15-4 Use of 0.014-inch pushable coils in transarterial embolization using the triple-coaxial system  
Take Goto  
*Department of Radiology, Nagoya City University Graduate School of Medical Sciences, Aichi, Japan*
- P-15-5 The triaxial system in transcatheter arterial embolization using glue for acute bleeding  
Masahiro Nakashima  
*Department of Radiology, Nagoya City University Graduate School of Medical Sciences, Nagoya, Japan*

## Digital Poster Room (Palais Royal C+D)

- P-15-6** Endovascular treatment with NBCA of coronary artery pseudoaneurysm following aortic root replacement  
Tomoko Kugiyama  
*Department of Radiology, Kurume University School of Medicine, Kurume, Japan*
- P-15-7** Efficacy of image-guided percutaneous needle biopsy for cancer of unknown primary  
Takatoshi Kubo  
*Diagnostic radiology, National Cancer Center Hospital, Tokyo, Japan*
- P-15-8** Safety and clinical contribution of CT-guided biopsy for cervical vertebrae lesion  
Yasuhiro Ushijima  
*Department of Clinical Radiology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan*
- P-15-9** Diagnostic accuracy of CT guided biopsy with and without registration of prior PET imaging  
Takashi Norikane  
*Department of Radiology, Faculty of Medicine, Kagawa University, Kagawa, Japan*
- P-15-10** Usefulness of CT-guided drainage for abdominal, retroperitoneal and perineal abscesses  
Ken Kageyama  
*Osaka City University Graduate School of Medicine, Osaka, Japan*
- P-15-11** Percutaneous Sonazoid contrast-enhanced ultrasound-guided drainages of renal abscess: 1 case report  
Jumpei Fujimoto  
*The Department of Radiology, Otsu Red Cross Hospital, Shiga, Japan*
- P-15-12** Successful drainage of a deep-seated pelvic abscess under fluoroscopic guidance: A case report  
Yo Matsui  
*The Department of Radiology, The Jikei University*
- P-15-13** A Clinical Results of CT guided percutaneous drainage in Nasu Red Cross Hospital  
Yosuke Tsuchiya  
*Department of Diagnostic & Interventional Radiology Nasu Red Cross Hospital, Tochigi, Japan*
- P-15-14** CT-guided drainage for postsurgical abscess following lower gastrointestinal tract surgery  
Yutaka Ueno  
*Department of Radiology, Kansai Medical University, Osaka, Japan*

## Medical ..... p000

- P-16-1** Cone-Beam CT (CBCT) 及び汎用型ワークステーションを用いた肝実質灌流領域シミュレーションの検討 (第2報)  
泉 翔一 (Shoichi Izumi)  
*徳島赤十字病院 放射線科部  
Department of Radiological Technology, Tokushima Red Cross Hospital, Komatsushima, Japan*
- P-16-2** 膝窩動脈瘤に対する経動脈的造影4D-CTAの一例  
出田真一郎 (Shinichiro Izuta)  
*大阪市立大学 医学部附属病院 中央放射線部  
Osaka City University Hospital of Department of Central Radiology, Osaka, Japan*

## Digital Poster Room (Palais Royal C+D)

- P-16-3 当院における手技支援画像  
西尾 康孝 (Yasutaka Nishio)  
おもと会 大浜第一病院 画像センター  
*OHAMA DAI-ICHI HOSPITAL*
- P-16-4 Vascular Access Deviceを用いた造影CTの基礎的検討  
田中 孝 (Takashi Tanaka)  
JCHO 四日市羽津医療センター 放射線部  
*JCHO Yokkaichi Hadu Medical Center Department of Radiology, Mie, Japan*
- P-16-5 血管撮影装置の安定化を目的とした始業点検項目の見直し  
檜本 公明 (Kimiaki Kashimoto)  
地方独立行政法人 大阪府立病院機構 大阪国際がんセンター 放射線診断・IVR科  
*Osaka International Cancer Institute, Osaka, Japan*
- P-16-6 球状塞栓物質を使用した血管塞栓術時におけるParametric Imagingの有用性  
浅井 翼 (Tsubasa Asai)  
愛知県がんセンター中央病院 放射線診断・IVR部  
*Department of Diagnostic and Interventional Radiology, Aichi Cancer Center Hospital*
- P-16-7 骨盤領域の血管塞栓術における3D road mapの有用性に関する検討  
宇草 賢二 (Kenji Ugusa)  
地方独立行政法人 神戸市立医療センター 中央市民病院 放射線技術部  
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