

June 3 (Sat.)

Room 1 (4F: Mizuho-A) 8:30 ~ 10:00

**ASCI meets NASCI**

**Cardiac Imaging: One Step Further**

Moderator: Gautham Reddy (University of Washington, USA)  
Ming Ting Wu (Kaohsiung Veterans General Hospital, Taiwan)

**J-NASCI-1 Imaging Assessment of Cardiac Complications of Oncologic Therapy**

Gautham Reddy (University of Washington, USA)

**J-NASCI-2 Cardiac Involvement in patients with sarcoidosis**

Noriko Oyama-Manabe (Hokkaido University Hospital, Japan)

**J-NASCI-3 Imaging Cardiovascular Disease in Pregnancy**

Karen Ordovas (University of California San Francisco, USA)

**J-NASCI-4 CT and MR in Adult Congenital Heart Disease**

Suzu Kanzaki (National Cerebral and Cardiovascular Center, Japan)

June 3 (Sat.)

Room 1 (4F: Mizuho-A) 10:15 ~ 11:45

**Refresher Course 3**

**MR Mapping in Depth**

Moderator: Byoung Wook Choi (Yonsei University, Korea)  
Mark Westwood (Barts Heart Centre, United Kingdom)

**RC3-1 Basics of Mapping Sequences**

Debiao Li (Cedars-Sinai Medical Center, USA)

**RC3-2 Fabry's Disease and Iron Overload**

Mark Westwood (Barts Heart Centre, United Kingdom)

**RC3-3 MR Mapping in Depth- Amyloidosis**

Chiara Bucciarelli-Ducci (University of Bristol, Bristol Heart Institute, United Kingdom)

**RC3-4 Myocarditis and Post Heart Transplantation**

Matthias Gutberlet (University Leipzig - Heart Center Leipzig, Germany)

**RC3-5 MR mapping in hypertrophic cardiomyopathy and dilated cardiomyopathy**

Byoung Wook Choi (Yonsei University, Korea)

June 3 (Sat.)

Room 1 (4F: Mizuho-A) 12:00 ~ 13:00

**Luncheon Symposium 6**

**Cutting Edge - Cardiac CT and MRI**

Moderator: John Hoe (Mt. Elizabeth Hospital, Singapore)

co-sponsor: Toshiba Medical Systems Corporation

**LS6-1 Ultra-High Resolution CT - Applications in Cardiac Imaging**

Sadako Motoyama (Fujita Health University, Japan)

**LS6-2 Myocardial Strain - MR Wall Motion Tracking**

Joao Lima (Johns Hopkins University, USA)

June 3 (Sat.)

Room 1 (4F: Mizuho-A) 14:00 ~ 15:30

**ASCI meets EACVI**

**Lessons from Large Imaging Studies**

Moderator: Teruhito Mochizuki (Ehime University School of Medicine, Japan)

Chiara Bucciarelli-Ducci (University of Bristol, Bristol Heart Institute, United Kingdom)

**J-EACVI-1 New Evidence for MR Guidance of Patients with Stable Coronary Artery Disease**

Chiara Bucciarelli-Ducci (University of Bristol, Bristol Heart Institute, United Kingdom)

**J-EACVI-2 Nuclear cardiology: Multicenter prognostic studies in Japan**

Kenichi Nakajima (Kanazawa University, Japan)

**J-EACVI-3 Clinical Implications from SCOT-HEART and PROMISE**

Oliver Gaemperli (University Hospital Zurich, Switzerland)

**J-EACVI-4 Who Can Benefit from CT Screening?: Lesson from Observational Registries**

Hyuk-Jae Chang (Yonsei University College of Medicine, Korea)

June 3 (Sat.)

June 3 (Sat.)

Room 1 (4F: Mizuho-A) 15:40 ~ 17:10

### Joint Case Discussion with JSCVR

Moderator: **Daisuke Utsunomiya** (Faculty of Life Sciences, Kumamoto University, Japan)  
**Tae Hoon Kim** (Gangnam Severance Hospital, Korea)

#### J-JSCVR2

##### Question teams (7)

- JSCVR (Japan x 2)
- ASCI (Korea), (Hong Kong/China), (Singapore)
- NASCI (USA)
- ESCR (Europe)

##### Diagnostic reading team (7)

- ASCI-Square team x 7

June 3 (Sat.)

Room 1 (4F: Mizuho-A) 17:10 ~ 17:40

### Closing Ceremony

#### Awards Ceremony: ASCI 2017 Awards

presented by Congress President of ASCI 2017  
(Hajime Sakuma, Mie University Graduate School of Medicine, Japan)

#### Awards Ceremony: BYPA Award

presented by President of ASCI  
(Yeon Hyeon Choe, Samsung Medical Center, Sungkyunkwan University School of Medicine, Korea)

#### Introduction of ASCI 2018

**Scientific Session 2**

**Coronary Artery Disease**

Moderator: Shihua Zhao (Fuwai Hospital and National Heart Centre, China)  
Hwanseok Yong (Korea University Guro Hospital, Korea)

SS2-1 **withdrawn**

SS2-2 **Three-dimensional measurements of coronary high-intensity plaques on T1-weighted magnetic resonance as a predictor of cardiac events during percutaneous coronary intervention**

Hayato Hosoda (National Cerebral and Cardiovascular Center, Japan)

SS2-3 **Significance of <sup>18</sup>F-sodium fluoride positron emission tomography in risk assessment of coronary atherosclerosis in combination with computed tomography**

Toshiro Kitagawa (Hiroshima University Graduate School, Japan)

SS2-4 **Association between Urate Deposition with Overall Plaque Burden and Severity of Luminal Stenosis in Coronary Arteries by Dual-Energy Computed Tomography**

Chun Hung Kevin Yu (Tuen Mun Hospital, Hong Kong/China)

SS2-5 **Severe aortic stenosis (AS) with higher afterload burden associates with more myocardial fibrosis**

Lam Willis (Cairns Hospital, Australia)

SS2-6 **Single-dose Gadolinium Contrast for 3 T Late Gadolinium Enhancement MRI: Intra-individual Comparison with Conventional Double-dose 1.5 T MRI**

Eun-Ah Park (Seoul National University Hospital, Korea)

SS2-7 **Automatic detection of infarcted areas on delayed enhancement cardiac mri**

Clément Acquitter (Tohoku University, Japan)

SS2-8 **Stress Dynamic Computed Tomography Myocardial Perfusion Imaging To Identify Hemodynamically Coronary Stenosis In Relation To Coronary Calcium Scoring**

Satoshi Nakamura (Mie University Hospital, Japan)

SS2-9 **Diagnostic Performance of Toshiba CT-FFR for Patients in Suspected Coronary Artery Disease**

Taichi Okonogi (Shin-Koga Hospital, Japan)

SS2-10

**Accuracy of A Machine-learning Ct-ffr: Result From The Machine Consortium**

Adriaan Coenen (EMC Rotterdam, Netherlands)

June 3 (Sat.)

Room 2 (4F: Mizuho-B) 10:15 ~ 11:45

**Scientific Session 3**

**New Horizon in Cardiovascular Imaging and Intervention**

Moderator: Sang Il Choi (Seoul National University Bundang Hospital, Korea)  
Masahiro Jinzaki (Keio University School of Medicine, Japan)

SS3-1

**Comparative Study of Flow Quantification with 4D Flow Magnetic Resonance Imaging and 2D Flow Magnetic Resonance Imaging in Healthy Subjects**

Mau Chu Lam (Princess Margaret Hospital, Hong Kong/China)

SS3-2

**MDCT derived Geometries and Computation Fluid Dynamics in Left Ventricular Assist Devices related Aortic Regurgitation**

Su-Min Chang (Houston Methodist Hospital, USA)

SS3-3

**Hemodynamic influence of sub-prosthetic pannus formation contributes to the dysfunction of prosthetic heart valve**

Dong Hyun Yang (Asan Medical Center, Korea)

SS3-4

**Evaluation of commissural malalignment of aortic-pulmonary sinus using cardiac CT for arterial switch operation: comparison with transthoracic echocardiography**

Hyun Woo Goo (Asan Medical Center University of Ulsan College of Medi, Korea)

SS3-5

**Usefulness of Coronary venous classification using coronary CT angiography for Cardiac Resynchronization Therapy planning**

Jin Young Yoo (Chungbuk National University Hospital, Korea)

SS3-6

**Improved Image Quality in Cardiac Computed Tomography with Single-Energy Metal Artifact Reduction**

Daniel W Groves (National Institutes of Health, USA)

SS3-7

**Visualization of bioabsorbable vascular scaffolds with computed tomography and conventional angiogram correlation: The Hong Kong experience**

Hoi Ting Grace Ng (Queen Mary Hospital, Hong Kong/China)

**SS3-8** **Diagnostic performance of Coronary CT Angiography with Forward-projected model-based Iterative Reconstruction SoluTion (FIRST) at lower radiation dose**

Hidenobu Takagi (Iwate Medical University, Japan)

**SS3-9** **Balloon Pulmonary Angioplasty Reduces Pulmonary Vascular Resistance in Both BPA and Non-BPA Sided Pulmonary Arteries in Chronic Thromboembolic Pulmonary Hypertension**

Yuzo Yamasaki (Graduate School of Medical Sciences, Kyushu University, Japan)

**SS3-10** **Concurrent NBCA embolization and EVAR can reduce the risk of endoleak and the need for re-intervention compared with conventional EVAR**

Yoshiaki Watanabe (National Cerebral and Cardiovascular Center Hospital, Japan)

June 3 (Sat.)

Room 2 (4F: Mizuho-B) 12:00 ~ 13:00

**Luncheon Symposium 7**

**New quantitative analysis software using for myocardial perfusion using Gd-DOTA**

Moderator: Kazuo Awai (Hiroshima University, Japan)

co-sponsor: Guerbet

**LS7-1** **Diagnostic Value of Myocardial Perfusion for Cardiac Disease**

Kunihiko Teraoka (Sakakibara Memorial Clinic, Japan)

**LS7-2** **New quantitative analysis software for MR myocardial perfusion**

Masaki Ishida (Mie University Hospital, Japan)

June 3 (Sat.)

Room 3 (4F: Mizuho-C) 8:35 ~ 9:15

**JSCVR Session 1**

**Myocardium**

Moderator: Shigeo Okuda (Keio University, Japan)

**JSCVR1-1 T1 mapping on 3T CMR Detects Myocardial Edema in Patients with Takotsubo cardiomyopathy**

Yukio Aikawa (Hokusei General Hospital, Japan)

**JSCVR1-2 Prognostic impact of wide QRS plus gadolinium enhancement dilated cardiomyopathy**

Kyohei Marume (National Cerebral and Cardiovascular Center, Japan)

**JSCVR1-3 Evaluation of damaged myocardium using gated SPECT and cardiac MRI**

Keiko Koyama (Gunma prefectural cardiovascular center, Japan)

**JSCVR1-4 Relationship of left ventricular dyssynchrony in the phase analysis on gated myocardial perfusion SPECT and late gadolinium enhancement on MR imaging in patients with hypertrophic cardiomyopathy**

Hideaki Yuki (Faculty of Life Sciences Kumamoto University, Japan)

June 3 (Sat.)

Room 3 (4F: Mizuho-C) 9:15 ~ 10:00

**JSCVR Session 2**

**CT & Case Reports**

Moderator: Munemasa Okada (Yamaguchi University, Japan)

**JSCVR2-5 Correlation among lung PBV, lung perfusion SPECT and pulmonary angiography images in patients with CTEPH**

Hirofumi Koike (Nagasaki Rousai Hospital, Japan)

**JSCVR2-6 Comparison of filtered back projection, hybrid- and model-based iterative reconstructions: tradeoff between noise reduction and inartificial visualization**

Kenichiro Hirata (Kumamoto University, Japan)

**JSCVR2-7 A case of pulmonary hypertension caused by isolated large vessel vasculitis in proximal pulmonary arteries: imaging and intervention**

Hiroki Kamada (Tohoku University Hospital, Japan)

**JSCVR2-8 Aortic shape and blood flow pattern in bicuspid aortic valve**  
Shigeo Okuda (Keio University, Japan)

**JSCVR2-9 Case report: Bronchial and coronary arteries to pulmonary artery shunt in a patient**  
Takafumi Nomura (Yamaguchi University, Japan)

**June 3 (Sat.) Room 3 (4F: Mizuho-C) 10:15 ~ 11:45**

**Joint Session with JSCVR**

**Noninvasive Imaging in Patients with Acute Chest Pain**

Moderator: Kei Takase (Tohoku University, School of Medicine, Japan)  
Yun Hyeon Kim (Chonnam National University Hospital, Korea)

**J-JSCVR1-1 Triple Rule-out CT: an update**  
Yeon Hyeon Choe (Samsung Medical Center, Sungkyunkwan University School of Medicine, Korea)

**J-JSCVR1-2 CMR in acute myocardial infarction**  
Luigi Natale (Catholic University of Sacred Heart, Italy)

**J-JSCVR1-3 MRI in Acute Aortic Syndrome**  
Karen Ordovas (University of California San Francisco, USA)

**J-JSCVR1-4 Is Dual-energy CT Useful for Patients with Chest Pain?**  
Hideki Ota (Tohoku University Hospital, Japan)

**June 3 (Sat.) Room 3 (4F: Mizuho-C) 12:00 ~ 13:00**

**Luncheon Symposium 8**

Moderator: Naofumi Matsunaga (Yamaguchi University, Japan)

co-sponsor: Bayer Yakuhin, Ltd.

**LS8 Essential role of diagnostic imaging and balloon pulmonary angioplasty to raise awareness of CTEPH**  
Tetsuya Fukuda (National Cerebral and Cardiovascular Center Hospital, Japan)



June 3 (Sat.)

Room 3 (4F: Mizuho-C)

**Replay Broadcasting**

14:00 ~ 15:30

**ASCI meets EACVI**

15:40 ~ 17:10

**Joint Case Discussion with JSCVR**

June 3 (Sat.)

**Moderated Poster 2**

**Poster Presentation Coronary Artery Disease**

Moderator: Seiji Tomiguchi (Kumamoto University, Japan)

- MP2-1 Immunoglobulin G4-related coronary artery aneurysms: image findings of multidetector-row computed tomography and fluorodeoxyglucose positron emission tomography/ computed tomography**  
Noriko Oyama-Manabe (Hokkaido University Hospital, Japan)
- MP2-2 Diagnostic Performance of 320-Slice Computed Tomography Coronary Angiography Compared with Conventional Coronary Angiography**  
Yuan-Heng Mo (Cathay General Hospital, Taiwan)
- MP2-3 Correlation between the left main coronary bifurcating angle and severity of atherosclerosis of left side coronary artery**  
Yung Liang Wan (Chang Gung University, Taiwan)
- MP2-4 The effect of nitroglycerin for fractional flow reserve from CT**  
Munemasa Okada (Yamaguchi University School of Medicine, Japan)
- MP2-5 Stenosis-related Regional CT Perfusion Derived Myocardial Blood Flow Based on Volonoi Algorithm Myocardial Segmentation**  
Takahiro Yokoi (Ehime University Graduate School of Medicine, Japan)
- MP2-6 Are Splenic Switch-off and Haemodynamic Response Useful Adjuncts to Each Other in Determining Stress Adequacy in Adenosine Stress-Perfusion Cardiac MR?**  
Siu Ting Leung (Pamela Youde Nethersole Eastern Hospital, Hong Kong/China)
- MP2-7 Nicorandil effect on microvascular angina with rest and stress myocardial perfusion MRI**  
Takeshi Nojo (New Tokyo Hospital, Japan)
- MP2-8 Comparison of 1.5-T and 3.0-T Stress Perfusion CMR for Detection of Significant Coronary Artery Disease With Invasive Coronary Angiography**  
Sung Min Ko (Konkuk University Medical Center, Korea)

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**Poster Presentation      Pulmonary Circulation**

Moderator: Wen-Jeng Lee (National Taiwan University Hospital Hsin-Chu Branch, Taiwan)

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**MP2-9      Quantitative Left Ventricular Diffuse Interstitial Myocardial Fibrosis and the Risk of Recurrence after Catheter Ablation in Patients with Atrial Fibrillation**

Xiaohai Ma (Beijing Anzhen Hospital, Capital Medical University, China)

**MP2-10      Evaluation on Rheumatic Mitral Stenosis Patients: Discriminating Those in Sinus Rhythm From Atrial Fibrillation A Cardiac Magnetic Resonance Preliminary Study**

Celly A Atmadikoesoemah (Universitas Indonesia/Nat'l Heart Center Harapan Kita, Indonesia)

**MP2-11      Dual-source CT in the Evaluation of Chronic Thromboembolic Pulmonary Hypertension: Technical Aspects and Post-Processing Technique**

Hwee Min Tan (Singapore General Hospital, Singapore)

**MP2-12      CMR Imaging-derived Pulmonary Artery Blood Flow and Cardiac Function for Patients with Chronic Obstructive Pulmonary Disease with/witout Pulmonary Arterial Hypertension**

Chen Zhang (Capital Medical University, China)

**MP2-13      Clinical Usefulness of Chest CT Angiography using 80kVp and Knowledge-based iterative model reconstruction (IMR) in patients with suspected pulmonary thromboembolism**

Jae Seung Seo (G SAM Hospital, Korea)

**MP2-14      Pulmonary Veins - The Overlooked Vessels in Routine Chest CT**

Yi Ting Lim (National University Hospital Singapore, Singapore)

**MP2-15      Prospective Cardiac Gated Pulmonary CT Angiogram for Detection of Small Peripheral Emboli: Technique and Advantages**

Dinesh Sharma (Thomas Jefferson University Hospital, USA)

**MP2-16      withdrawn**

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**Poster Presentation      Advancement in MR**

Moderator: Kenichi Yokoyama (Kyorin University, School of Medicine, Japan)

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**MP2-17      Spleen-to-myocardium ratio of T2-weighted short tau inversion recovery black-blood images poorly correlates with positive uptake of 18F-fluorodeoxyglucose positron by the myocardium**

Reina Tonegawa (Saitama Cardiology and Respiratory Center, Japan)

**MP2-18      The Practical Clinical Utility of Cardiovascular Magnetic Resonance Imaging on the Diagnosis and Management of Dilated Cardiomyopathy**

Lihua Laura Chan (National Heart Centre Singapore, Singapore)

**MP2-19      Multiple b values diffusion-weighted MR imaging to detect the abnormality in myocardium: a preliminary study**

Lu Yanan (Dalian Municipal Center Hospital, China)

**MP2-20      withdrawn**

**MP2-21      The impact of hepatic lipid content on left ventricular myocardial fibrosis in patients with heart failure**

Zichuan Zhang (Capital Medical University Beijing Anzhen Hospital, China)

**MP2-22      Quantification of tricuspid regurgitation using cardiovascular magnetic resonance**

Hiroyuki Miura (National Cerebral and Cardiovascular Center, Japan)

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**Poster Presentation      Miscellaneous**

Moderator: Lynette Teo (National University Hospital, Singapore)

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**MP2-23      NATURAL COLLATERAL CIRCULATION IN CORONARY CT**

Dalsu Park (S-Seoul Hospital, Korea)

**MP2-24      Intearterial Course of Anomalous Coronary Arteries from Opposite Sinus: Myth or Reality**

Bae Young Lee (The Catholic Univeristy of Korea, Medical College, Korea)

**MP2-25      Advanced School for Core Investigators from Asian Society of Cardiovascular Imaging: the seventh [ASCI]2 report in 2016**

Joon-Won Kang (Asan Medical Center, Korea)

- MP2-26** **Multimodality Appropriate Use Criteria on Noninvasive Cardiac Imaging: Asian Expert Consensus**  
Jeong A Kim (Inje University Ilsan Paik Hospital, Korea)
- MP2-27** **Coronary arterial calcification in patients with chronic kidney disease: evaluation with cardiac CT and factors affecting to calcification**  
Yun-Hyeon Kim (Chonnam National University Hospital, Korea)
- MP2-28** **A PICTORIAL REVIEW: INTRA-CARDIAC FINDINGS IN ROUTINE COMPUTED TOMOGRAPHY CORONARY ANGIOGRAM**  
Pei Ing Ngam (National University Hospital, Singapore)
- MP2-29** **Cardiac Computed Tomography and Magnetic Resonance Imaging of Atrial and Inter-atrial Septal Pathology - a Retrospective Review**  
Mau Chu Lam (Princess Margaret Hospital, Hong Kong/China)
- MP2-30** **Application of Medical 3D printing in Cardiovascular Medicine: Experience in Queen Elizabeth Hospital, Hong Kong**  
Jonan Chun Yin Lee (Queen Elizabeth Hospital, Hong Kong, Hong Kong/China)
- MP2-53** **Compression of the Renal and Splenic Artery on CT Angiography with Inspiratory and Expiratory Acquisition**  
Sun Hwa Hong (Sejong General Hospital, Korea)

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**Poster Presentation      Anomalous Coronary Artery**

Moderator: Oraporn See (Mahidol University, Thailand)

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- MP2-31** **Case report: a mimic of ALCAPA syndrome**  
Yupin Chang (Taichung Veterans General Hospital, Taiwan)
- MP2-32** **Anomalous origin of coronary artery from pulmonary artery**  
Trang Nguyen Ngoc (Bach Mai Hospital, Viet Nam)
- MP2-33** **Cardiac Magnetic Resonance Evaluation in Differentiating the Origin of Angina: Coronary Artery Disease vs Myocardial Bridge**  
Felix C Fredy (Universitas Indonesia, Indonesia)
- MP2-34** **CT vs Conventional Coronary Angiography in Coronary Artery Aneurysm Patient with History of Acute Coronary Syndrome: A Case Report**  
Felix C Fredy (Universitas Indonesia, Indonesia)
- MP2-35** **A Rare Cause of Cardiac Murmur: Serpentine Structure in the Heart**  
Ignasius A Jappar (National Heart Centre Singapore, Singapore)

MP2-36 **withdrawn**

MP2-37 **Rare case of single origin coronary arteries from left coronary sinus illustrating complementary roles of echocardiography and CT coronary angiography**

Teng Yik Hoo (National Heart Centre Singapore, Singapore)

**Poster Presentation      Congenital Heart Disease**

Moderator: Tetsuhisa Yamada (Japanese Red Cross Medical Center, Japan)

MP2-38 **Ebstein anomaly and VT in an adolescent**

Ronald Chong (National Heart Center Singapore, Singapore)

MP2-39 **Shone's Syndrome: A Rare Multi-level Left Sided Obstructive Congenital Heart Disease**

Kenneth KY Cheung (Hong Kong Children's Hospital, Hong Kong/China)

MP2-40 **withdrawn**

MP2-41 **A Case of a Quadricuspid Pulmonary Valve and Straight Back Syndrome Diagnosed using Cardiac Computed Tomography**

Masafumi Takafuji (Mie University Hospital, Japan)

MP2-42 **CT findings of quadricuspid pulmonary valve with pulmonary artery aneurysm**

Jae Wook Lee (Korea University Guro Hospital, Korea)

MP2-43 **Left Ventricular Non-Compaction in 23 years old male: a Case Report**

Angeline NM Wibowo (University of Pelita Harapan, Indonesia)

**Poster Presentation      Cardiac Pathologies**

Moderator: Yasutaka Ichikawa (Mie University Hospital, Japan)

MP2-44 **Susuk Induced Artifact during Cardiac Magnetic Resonance Imaging: a Case Report**

Muhammad Hadi Utama Syam (Faculty of Medicine, Universitas Indonesia, Indonesia)

MP2-45 **Radiologic and clinicopathologic findings of eosinophilic heart diseases: Assessment with Cardiac MRI and MDCT**

Eun Ju Chun (Seoul National University Bundang Hospital, Korea)

June 3 (Sat.)

MP2-46

**Once in a blue moon - When Loeffler's endocarditis does not happen at the cardiac apex**

Hoi Ting Grace Ng (Queen Mary Hospital, Hong Kong/China)

MP2-47

**Association between multiple myeloma and cardiac amyloidosis**

Lee Kok Yew (National Heart Centre, Singapore, Singapore)

MP2-48

**withdrawn**

MP2-49

**Intracardiac mass: a myxoma, thrombus or lymphoma ? : A case report**

Aditya A. Sembiring (Indonesia University Faculty of Medicine, Indonesia)

MP2-50

**INFERIOR VENA CAVA THROMBUS IN MALIGNANT PATIENT**

Lusiani Rusdi (Faculty of Medicine, University of Indonesia, Indonesia)

MP2-51

**The Role of Non-contrast Cardiac MRI in Detecting the Etiology of Recurrent Ischemic Stroke**

Audie Christopher (Faculty of Medicine, Pelita Harapan University, Indonesia)

MP2-52

**The fishy fluid**

Pinakin Vijaykumar Parekh (Khoo Teck Puat Hospital, Singapore)