Gastroenterology(1): Imaging
Chair: Shinpei Sato, Japan

AF-01-01 The Use of Contrast Enhanced Ultrasound in the Imaging Work Up of Focal Liver Lesion: A Proposed Algorithm for Radiology Departments
Wey Chyi Teoh (Changi General Hospital, Singapore)

AF-01-02 Superb Microvascular Imaging Technology in Ultrasound Examination: Initial Experiences for Hepatic Tumors
Dong Ho Lee (Department of Radiology, Seoul National University Hospital, Korea)

AF-01-03 Assessment of Liver Fibrosis in Chronic Hepatitis B Using Acoustic Structure Quantification: Quantitative Morphological Ultrasound
Yang Huang (Department of Medical Ultrasonics, Institute of Diagnostic and Interventional Ultrasound, The First Affiliated Hospital of Sun Yat-Sen University, China)

AF-01-04 Maximum Value Measured by Two-Dimensional Shear Wave Elastography Helps in Differentiating Malignancy From Benign Focal Liver Lesions
Wenshuo Tian (Department of Medical Ultrasonics, Institute of Diagnostic and Interventional Ultrasound, The First Affiliated Hospital of Sun Yat-Sen University, China)

AF-01-05 Real-Time Shear Wave Elastography in the Evaluation of Radiofrequency Ablation for Liver Tumors: A Clinical Study
Wenshuo Tian (Department of Medical Ultrasonics, Institute of Diagnostic and Interventional Ultrasound, The First Affiliated Hospital of Sun Yat-Sen University, China)

Basic Engineering
Chair: Iwaki Akiyama, Japan

AF-02-01 Recommendations For Sonographers to Work Safely, Comfortably And Healthfully(JSUM)
Hiroyuki Suzuki (Hitachi Aloka Medical, Ltd., Japan)

AF-02-02 Blood Flow Imaging Based On Computational Fluid Dynamics Using Ultrasound Technique
S.M. Yeaminul Islam (Department of Electronics and Communication Engineering, Khulna University of Engineering and Technology, Bangladesh)

AF-02-03 Preclinical Results of Ultrasound Mediated Microbubble Cavitation on Tumor Therapy
Pingtong Huang (The Second Affiliated Hospital of Zhejiang University School of Medicine, China)

AF-02-04 Low Intensity Ultrasound Inhibits Growth of Cancer Both in Vitro And in Vivo Through Mechanisms Not Related to Cell Killing
Loreto B Feril (Department of Anatomy, Fukuoka University School of Medicine, Japan)

AF-02-05 Ultrasonic RF Time Series for Early Assessment of Tumor Response to Chemotherapy: First in vivo Experiments with Animal Tissue Samples
Li An Hua (Ultrasound Department, Cancer Center of Sen Yat-sen University, China)

AF-02-06 Ultrasound Molecular Imaging and Gene Therapy Through Dual-Targeted Cationic Micronbubbles
Feng Jin Xu (Department of Ultrasound, the Second Affiliated Hospital of Jinan University, China)

AF-02-07 Microbial Risks Associated with an Ultrasound Examination
Susan Campbell Westerway (Australasian Society for Ultrasound in Medicine, Australia)

AF-03-01 Percutaneous Thermal Ablation for Treatment of Colorectal Liver Metastases and Hepatocellular Carcinoma: A Comparison of Local Therapeutic Efficacy
Ming Liu (The First Affiliated Hospital, Institute of Diagnostic and Interventional Ultrasound, Sun Yat-Sen University, China)

AF-03-02 Efficacy of Sonozoid Enhanced Ultrasonography (SEUS) in Radiofrequency Ablation of the Poorly Visualized Liver Tumors on Gray-Scale Ultrasound
Sarat Kumar Sanamandra (Singapore General Hospital, Singhealth, Singapore)

AF-03-03 The Application of Contrast-Enhanced Ultrasound-Guided Selective Tumor-Feeding Vessel Occlusion in Radiofrequency Ablation of Hepatocellular Carcinoma
Xiaoyan Xie (Department of Medical Ultrasonics, The First Affiliated Hospital, Institute of Diagnostic and Interventional Ultrasound, Sun Yat-Sen University, China)

AF-03-04 Efficacy of Two Step Method RFA Using Cool-Tip Needle with the Virtual Needle Tracking System For Hcc Patients
Teiji Kuzuya (Department of Gastroenterology and Hepatology, Nagoya University, Japan)

AF-03-05 Risk Factors for Intrahepatic Biliary Complication after Thermal Ablation of Malignant Liver Tumors: A Retrospective Case-Control Study
Manxia Lin (Department of Medical Ultrasonics, Division of Interventional Ultrasound, The First Affiliated Hospital, Institute for the Study of Diagnostic and Interventional Ultrasound, Sun Yat-Sen University, China)

AF-03-06 Complications of Thermal Ablation of Hepatic Tumors: Comparison of Radiofrequency and Microwave Techniques
Jianmin Ding (Department of Ultrasound Tianjin Third Central Hospital, China)
GENERAL SESSION

**Musculoskeletal**

**Chair:** Hideyuki Goto, Japan

**AF-O4-01** Ultrasound (US) Findings in the Postoperative Evaluation of Rotator Cuff Tendon: Variability and Correlation with CT Arthrographic (CTA) Findings

_Jung-Ah Choi (Department of Radiology, Hallym University College of Medicine, Dongtan Sacred Heart Hospital, Korea)_

**AF-O4-02** Strain Elastography of Epidemic Tumors in Musculoskeletal System

_Hee Jin Park (Department of Radiology, Sungkyunkwan University School of Medicine, Kangbuk Samsung Hospital, Korea)_

**AF-O4-03** Correlation between Imaging Methods and Clinical Impairment in Patients with Frozen Shoulder

_Gi-Young Park (Department of Rehabilitation Medicine, Catholic University of Dageu School of Medicine, Korea)_

**AF-O4-04** Grey Scale Ultrasonic and Shear Wave Elastographic Characterizations of Familial Hypercholesterolemia Achilles Tendon

_Pu Tianning (Beijing Anzhen Hospital, Capital Medical University, China)_

**AF-O4-05** Time Lag of Improvement in Synovial Hypertrophy in Post-Adalimumab Rheumatoid Arthritis

_Ying-Chou Chen (Department of Rheumatology, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Taiwan)_

**AF-O4-06** Ultrasound Evaluation in Patients with Myofascial Pain Syndrome Treated by Transcutaneous Electric Nerve Stimulation

_Wang-Sheng Lin (Department of Physical Medicine & Rehabilitation, Taipei Veterans General Hospital, Taiwan)_

**Breast**

**Chair:** Etsuo Takada, Japan

**AF-O5-01** The Relationship between Shear Wave Elastography and Strain Elastography

_Takanori Watanabe (Breast surgery, Sendai Medical Center, Japan)_

**AF-O5-02** Evaluation of Ultrasound Cad for Breast Tumors at a Clinical Office

_Hai Phuong Thanh Phan (Department of Ultrasound, Medec Center, HCM, Viet Nam)_

**AF-O5-03** What We should Know When We Use S-Detect™ in Conjunction with a Breast Ultrasound?: a Report of the Initial Experience

_Bong Joo Kang (Department of Radiology, Seoul St. Mary’s Hospital, College of Medicine, The Catholic University of Korea, Korea)_

**AF-O5-04** Superb Microvascular Imaging Is Helpful in Breast Lesions Differentiation: Compared with Contrast Enhanced Ultrasonographic Microvascular Imaging

_Xiaoyun Xiao (Department of ultrasound, Sun Yat-sen Memorial Hospital, Sun Yat-sen University, China)_

**AF-O5-05** Clinical Application of Acoustic Radiation Force Impulse in Breast Tumor at Medec Center.

_Hai Phuong Thanh Phan (Department of Ultrasound, Medec Center, HCM, Viet Nam)_

**Blood Vessel**

**Chair:** Keita Odashiro, Japan

**AF-O6-01** Research of Emphasis on Carotid Plaque Stability

_Wen He (Department of Ultrasound, Beijing Tiantan Hospital, Capital Medical University, China)_

**AF-O6-02** Concordance Rate between Ultrasound Parameters and CI Angiography in Grading Internal Carotid Artery Stenosis

_David Wen (Department of Radiology, Changi General Hospital, Singapore)_

**AF-O6-03** Comparative Study of Neovascularization in Homogeneous and Heterogeneous with Juxtaluminal Black Area Hypoechoic Carotid Plaques by Smi and Ceus

_Qiang Yong (Department of ultrasound, Beijing Anzhen Hospital, Capital Medical University, Beijing Institute of Heart Lung Vascular Diseases, China)_

**AF-O6-04** Innovative Value of Three-Dimensional Color Angiography at Vascular Imaging for Congenital Heart Disease

_Kai-Sheng Hsieh (Department of Pediatrics, Kaohsiung Chang Gung Memorial Hospital, Taiwan)_
AF-O6-05 | Evaluation of the Application Value of Smi in the Evaluation of Abdominal Aortic Local Lesions
Lei Zhang (Department of Ultrasound, Beijing Anzhen Hospital, Capital Medical University, Beijing Institute of Heart Lung Vascular Diseases, China)

AF-O6-06 | Added Value of 2D-Swe to Us for Staging Common Femoral Vein Thrombus
Fu-shun Pan (Department of Medical Ultrasonics, Institute for Diagnostic and Interventional Ultrasound, the First Affiliated Hospital, Sun Yat-Sen University, China)

AF-O7-01 | Transcutaneous Closure of Secundum Atrial Septal Defect Exclusively Using Transthoracic Echocardiographic Guidance?A Multicenter Study
Jia-Kan Chang (Department of Pediatrics, Cheng-Hsin General Hospital, Taiwan)

AF-O7-02 | Early Detection of Left Atrial Energy Loss and Mechanics Abnormality in Diabetic Patients with Normal Left Atrial Size
Yi Wang (Institute of Ultrasound Medicine, Sichuan Academy of Medical Sciences & Sichuan Provincial People’s Hospital China)

AF-O7-03 | Feasibility of 1-Beat Real-Time Full-Volume 3D Echocardiography For the Assessment of Left Ventricular Volumes and Deformation Parameters
Li Tan Yang (Second Department of Internal Medicine, University of Occupational and Environmental Health, School of Medicine / Division of Cardiology, Department of Internal Medicine, National Cheng Kung University Hospital, College of Medicine, National Cheng Kung University, Japan)

AF-O7-04 | A New Echocardiographic Evaluation of Chronic Aortic Regurgitation-Energy Loss by Vector Flow Mapping in Descending Aorta
Yuyan Cai (Department of Cardiology, West China Hospital of Sichuan University, China)

AF-O7-05 | Application of Superior Vena Cava Spectra in Predicting of Pulmonary Hypertension
Ying Hou (Department of Ultrasound diagnosis, Tandu Hospital of the Fourth Military Medical University, China)

AF-O8-01 | EUS-Guided Injection of HF10 for Unresectable Locally Advanced Pancreatic Cancer (Phase 1 Dose-Escalation Clinical Trial)
Yoshiki Hirooka (Department of Endoscopy, Nagoya University Hospital, Japan)

AF-O8-02 | Diagnostic Value of Contrast-Enhanced Transabdominal Ultrasound and Contrast-Enhanced Endoscopic Ultrasound in Pancreatic Cystic Tumors
Xiaoling Yu (Department of Interventional Ultrasound, Chinese PLA General Hospital, China)

AF-O8-03 | Focal Pancreatic Lesions: Predictors of Malignancy on Sonographic Findings
Guang-Liang Huang (The First Affiliated Hospital of Sun Yat-Sen University, China)

AF-O8-04 | Does Supplementary Computed Tomography Have Any Additional Values after Ultrasonographic Diagnosis of Acute Right Side Colonic Diverticulitis?
Hyun Cheol Kim (Department of Radiology, Kyung Hee University Hospital, Korea)

AF-O8-05 | Accuracy of Appendiceal Ultrasound: Influence of Radiologist’s Experience And Time of Day
Sornsupha Limchareon (Division of Radiology and Nuclear Medicine, Thailand)

AF-O8-06 | Clinical Usefulness of Image Ramification of Internal Opening in Patients with Complex Anal Fistula
Hae Jeong Jeon (Department of Radiology, School of Medicine, Konkuk University, Korea)
POSTER PRESENTATION

Basic Engineering(1)

AF-P1-01 Cytotoxicity of Paclitaxel Combined with Ultrasound Irradiation on Three-Dimensional Spheroids
Li Ying Jia (Department of Ultrasound, Nanfang Hospital, Southern Medical University, China)

AF-P1-02 Mechanisms of Enhancing Cytotoxicity Induced by Paclitaxel Combined with Ultrasound on Three-Dimensional Spheroids
Li Ying Jia (Department of Ultrasound, Nanfang Hospital of Southern Medical University, China)

AF-P1-03 In Vitro Reversal of Multidrug Resistance by Combination of Therapeutic Ultrasound and Nanoparticles in Breast Cancer Cell Line and Related Mechanism
Li Ying Jia (Department of Ultrasound, Nanfang Hospital of Southern Medical University, China)

AF-P1-04 Small-Window Ultrasound Entropy Imaging for Tissue Characterization
Po-Hsiang Tsui (Department of Medical Imaging and Radiological Sciences, Chang Gung University, Taiwan)

AF-P1-05 JSUM’s Research for Prevention of Work-Related Musculoskeletal Disorders in Sonographers in Japan - Work Environments and Conditions
Kazuya Suzuki (The Ohara Memorial Institute for Science of Labour, Japan)

AF-P1-06 The Preparation of Ph-Sensitive Dual-Targeted Doxorubicin-Loaded Nanoparticle and Evaluation of the Antitumor Activity in Vitro
Luo Wan Xian (Department of Ultrasound, Nanfang Hospital, Southern Medical University, China)

AF-P1-07 Preparation of Phase-Change Nanodroplets and an Experimental Study on Radiofrequency Ablation Margins Intraoperative Assessment
Zhang Shi Yu (Department of Ultrasound, Nanfang Hospital of Southern Medical University, China)

AF-P1-08 Diagnosis of Nonalcoholic Fatty Liver Disease (NAFLD) in Mice by Ultrasound Statistical Scattering Model
Che-Chou Shen (Department of Electrical Engineering, National Taiwan University of Science and Technology, Taiwan)

Circulation

AF-P2-01 Guidewires-Related Color Doppler Twinkling Artifacts in Vitro
Shu- ping Wu (Department of Medical Imaging, Chung Shan Medical University Hospital / School of Medical Imaging and Radiological Sciences, Chung Shan Medical University, Taiwan)

AF-P2-02 Fetal Hydrothorax : Outcome After In-Utero Thoraco-Amniotic Shunt
An Shine Chao (Department of Pediatrics, Chang Gung Memorial Hospital, Taiwan)

AF-P2-03 Effects of Different Ultrasound Intensity Application on Left Ventricular Myocardial Deformation in Open-Crest Beagle Canines
Li Wenhua (Department of Cardiovascular Ultrasound and Non-invasive Cardiology, Sichuan Academy of Medical Science and Sichuan Provincial People’s Hospital, China)

AF-P2-04 Layer-Specific Quantification of Myocardial Deformation in Takotsubo Cardiomyopathy: A Serial 2-Dimensional Echocardiographic Follow-Up Study
Ming-Jui Hung (Department of Cardiology, Chang Gung Memorial Hospital, Keelung, Chang Gung University College of Medicine, Taiwan)

AF-P2-05 Assessment of Biventricular Function in SLE with Varying Degrees of Pulmonary Hypertension by Echocardiography New Technology
Xi Li (Department of Cardiology, West China Hospital of Sichuan University, China)

AF-P2-06 The Development of Phase Shift Acoustic Nanodroplets (Psands) and Their Potential Use in Ultrasound Theranostics
Rod Abdalkader (Kyoto University, Graduate School of Pharmaceutical Sciences, Japan)

AF-P2-07 Percutaneous Left Atrial Appendage Transcathter Occlusion (PLAATO) With Secondary Thrombosis
Shu Qing lan (Sichuan Provincial People’s Hospital, China)

AF-P2-08 Congenital Isolated Absence of Right Pulmonary Artery Detected by Neonatal Echocardiographic Screening Study: A Case Report and Review of Literature
Betau Hwang (Cardiovascular Medical Center, Tung’s Taichung MetroHarbor Hospital, Taiwan / Department of Pediatrics, Tung’s Taichung MetroHarbor Hospital, Taiwan / School of Medicine, National Yang-Ming University, Taiwan)

AF-P2-09 Real-Time and Mobile Consultation for Diagnosis for Abdominal Aortic Aneurysm in Novice Sonographers: A Preliminary Study
WanChing Lien (Department of Emergency medicine, National Taiwan University Hospital, Hsin-Chu branch / National Taiwan University, Taiwan)
AF-P2-10 Cystic Adventitial Disease of the Common Femoral Vein Presenting as Leg Swelling: A Case
Jae Woon Kim (Departments of Radiology, College of Medicine, Yeungnam University, Korea)

AF-P2-11 Angiotension Receptor Blocker Has Beneficial Effects in Patients with Chronic Aortic Regurgitation and Isolated Systolic Hypertension
Shoal-Lin Lin (Division of Cardiology, Department of Internal Medicine, Yuan’s General Hospital, Taiwan)

Renal and Urinary Tract(1)
Chair: Masahiro Jinzaki, Japan

AF-P3-01 Us, Ct And MR Imaging Findings of Retroperitoneal Ganglioneuroma
Jongchul Kim (Department of Radiology, Chungnam National University Hospital, Korea)

AF-P3-02 Ultrasound-Guided Biopsy of Small Solid Renal Masses (< 4Cm): Diagnostic Rate and Radiologic Predictors for Non-Diagnostic Result
Young Taik Oh (Department of Radiology, Severance Hospital, Yonsei University College of Medicine, Korea)

AF-P3-03 Usefulness of Contrast-Enhanced Ultrasoundography for the Evaluation of Dialysis-Associated Renal Cell Carcinoma in Comparison with Dynamic-Enhanced CT
Masahiro Hashimoto (Department of Diagnostic Radiology, Keio University School of Medicine, Japan)

AF-P3-04 Personalized Biomechanical Modeling of Prostate Deformation Based on Elastography for MR-TRUS Image Registration
Ming Xu (Department of Medical Ultrasions, the First Affiliated Hospital, Institute of Diagnostic and Interventional Ultrasound, Sun Yat-Sen University, China)

AF-P3-05 Renal Transplant Ultrasound
Shy Yunn Goh (Department of Radiology, Sengkang Health, Singapore)

AF-P3-06 Estimation of Renal Cortical Elasticity by Shear Wave Sonoeulastography among Individuals Attending General Health Check Up in Tertiary Level Hospital
Umesh Prasad Khanal (Department of Radiology & Imaging, Institute of Medicine, Tribhuvan University Teaching Hospital, Nepal)

AF-P3-07 Ultrasound of Mumps Orchitis in Vaccinated Patients with Sequential Changes
Boemha Yi (Department of Radiology, University of Soonchunhyang, Bucheon Hospital, Korea)

AF-P3-08 Bosniak Classification for Complex Renal Cystic Masses- Can Contrast Enhanced Ultrasound Replace Computed Tomography?
Nitin Chaubal (Department of Ultrasound Thane Ultrasound Centre, India)

Breast(1)
Chair: Yasuhisa Fujimoto, Japan

AF-P4-01 Comparison of Strain and Shear-Wave Elastography of the Breast Masses for Differentiation of Benign and Malignancy
Mominae Seo (Department of Radiology, Chung-Ang University Hospital / Department of Radiology, Kyung Hee University Hospital, Korea)

AF-P4-02 Ultrasonographic Features of Intraductal Tumors
Hui Luo (Department of Ultrasound, Shenzhen People’s Hospital, The Second Clinical Medical College of Jinan University, China)

AF-P4-03 Comparison of Three-Dimensional(3D) and Two-Dimensional(2D) Shear-Wave Elastography in Differentiation of Benign and Malignant Breast Masses
Okhee Woo (Department of Radiology, Korea University Guro Hospital, Korea)

AF-P4-04 Complementary Roles of Digital Breast Tomosynthesis in Assessment of BI-RADS 3 Lesions on Ultrasound in Asymptomatic Women with Dense Breasts
Jung Min Chang (Department of Radiology, Seoul National University Hospital, Korea)

AF-P4-05 Giant Cell Tumor of Soft Tissue Arising in Contralateral Breast of Cancer Patient
Yoomi Moon (Department of Surgery, Tsukuba Central Hospital, Japan)

AF-P4-06 Radio-Pathological Correlation of Breast Tumor Vascularity with Superb Micro-Vascular Imaging, Contrast-Enhanced Power Doppler US, and Breast MRI
Bo Kyong Seo (Department of Radiology, Korea University Ansan Hospital, Korea University College of Medicine, Korea)

AF-P4-07 Vascular Features in Breast Ductal Changes with Superb Micro-Vascular Imaging(SMI): Benign Vs. Malignant
Bo Kyong Seo (Department of Radiology, Korea University Ansan Hospital, Korea University College of Medicine, Korea)

Thyroid
Chair: Mitsuhiro Fukushima, Japan

AF-P5-01 Distinguishing Benign From Malignant Nodules at Thyroid Ultrasound (US): Utility of Superb Microvascular Imaging (SMI) and us Elastography
Hye Shin Ahn (Department of Radiology, Chung-Ang University Hospital, Korea)

AF-P5-02 Study of Thyroid Volume by Ultrasonography in Clinically Euthyroid Individuals
Prakash Kajastha (Department of Radiology & Imaging, Institute of Medicine, Tribhuvan University Teaching Hospital, Nepal)
AF-P5-03 Ultrasonographic Features of Secondary Hyperparathyroidism in Patient of Renal Insufficiency Mein-Kai Gueng (Department of Radiology, Taichung Veterans General Hospital, Taiwan)

AF-P5-04 Sonographic Features of Thyroid Follicular Adenoma and Carcinoma Yung Hui Lin (Department of Radiology, Taipei Veterans General Hospital, Taiwan)

AF-P5-05 Role of Elastoscan to Differentiate Benign from Malignant Thyroid Lesions and Correlation with Histopathology A.K.M Fazlul Bari (National Institute of Nuclear Medicine & Allied Sciences, Bangladesh)

AF-P5-06 Subcategorization of Bethesda System Category III by Ultrasoundography Sunyoung Lee (Department of Radiology, Samsung Medical Center, Sungkyunkwan University School of Medicine, Korea)

Musculoskeletal (1)

AF-P6-01 Ultrasound Diagnosis of Wrist and Hand Disorders Jee Won Chai (Department of Radiology, Seoul Metropolitan Government-Seoul National University Boramae Medical Center, Korea)

AF-P6-02 Discussion of Diagnostic and Score Value of Ultrasound and Magnetic Resonance Imaging in Hemophilia Arthropathy Ma Fei (Department of Ultrasound, Nanfang Hospital of Southern Medical University, China)

AF-P6-03 Super Micro-Vascular Imaging Improving Inflammatory Flow Blood Sensitivity of Finger Joints in Patients with Rheumatoid Arthritis Jiaan zhu (Department of Ultrasound, Peking University People’s Hospital, China)

AF-P6-04 Nomogram of Radial Length for the Second and Third Trimester Fetuses Wang Yanyan (Department of Obstetrics and Gynaecology, Singapore General Hospital, Singapore)

AF-P6-05 US Findings of Musculoskeletal Complications in Diabetes: Based on Patient’s Symptoms Kyung Nam Ryu (Department of Radiology, Kyung Hee University Hospital, Korea)

AF-P6-06 Comparison of the Mean Cross Sectional Area of the Median Nerve Between Pregnant and Non Pregnant Women Using Ultrasonography Sharma Paudel (Department of Radiology and Imaging, Institute of Medicine, Tribhuvan University Teaching Hospital, Nepal)

AF-P6-07 A New Index of Muscular Age Derived from Ultrasonography: Quantitative Assessment of the Quadriceps and Comparison with Knee Extension Force Tsuneo Watanabe (Division of Clinical Laboratory, Gifu University Hospital, Japan)

AF-P6-08 Strain Elastography of Epidermoid Tumors in Musculoskeletal System Hee Jin Park (Department of Radiology, Sungkyunkwan University School of Medicine, KangbukSamsung Hospital, Korea)

AF-P6-09 Normal Medial Gastrocnemius Muscle Stiffness: Comparison of 3T MR Elastography and Shear Wave US Elastography Suk-Joo Hong (Department of Radiology, Korea University Guro Hospital, Korea University College of Medicine, Korea)

AF-P6-10 Evaluation of Post-stroke Spasticity Using Shear-wave Ultrasound Elastography Chueh-Hung Wu (Institute of Biomedical Engineering, College of Medicine and College of Engineering, National Taiwan University / Departments of Physical Medicine and Rehabilitation, National Taiwan University Hospital, College of Medicine, National Taiwan University, Taiwan)

Gynecology (1)

AF-P7-01 Ultrasonographic Measurement of Placental Thickness During Pregnancy as a Parameter for Estimating Gestational Age of the Fetus Umesh Prasad Khanal (Department of Radiology & Imaging, Institute of Medicine, Tribhuvan University Teaching Hospital, Nepal)

AF-P7-02 Screening for Preeclampsia and Intrauterine Growth Restriction by Uterine Artery Doppler Study Erdenebileg Bavuujav (Mongolian Society of Diagnostic Ultrasound (MSDU), National Center for Maternal and Child Health of Mongolia, Esen-Ingram Gynecology Clinic, Mongolia)

AF-P7-03 SGH Experience of Tubal Contrast Sonography Using the Exem Foam Kit Vijeya Letchimi Nadasan (Department of Obstetric and Gynaecology, Singapore General Hospital., Singapore)

AF-P7-04 Is That Real? Pitfalls and Artifacts of Sonoelastography in Gynecological Application Lay Ee Chew (KK Women’ s and Children’ s Hospital, Department of Diagnostic and Interventional Imaging, Singapore)

AF-P7-05 Withdrawn
AF-P7-06  Us Imaging Findings of Pregnancy-Associated Ovarian Disorders
Min Hoan Moon (Department of Radiology, SNU-SMG Boramae Medical Center, Seoul National University College of Medicine, Korea)

AF-P7-07 Preoperative Diagnosis of a Rare Solid Ovarian Tumor (Fibroma) by Ultrasonography and Computerized Tomography Scan
Komsun Suwannaruk (Department of Obstetrics & Gynaecology, Faculty of Medicine, Thammasat University, Thailand / Chulabhorn International College of Medicine, Thammasat University, Thailand)

AF-P7-08 Transvaginal Sonography-Guided Biopsy for the Diagnosis of Advanced Ovarian Cancer
Eun Ju Lee (Department of Radiology, Ajou University Hospital, Korea)

AF-P7-09 Malignant Perivascular Epithelioid Cell Tumor of the Uterus: A Case Report
Ling-Wan Liao (Department of Obstetrics and Gynecology, Changhua Christian Hospital, Taiwan)

AF-P7-10 Ultrasonographic Measurement of Endometrial Thickness for Prediction of Endometrial Cancer in Breast Cancer Patients: Case Report
Yi-Hsuan Hsiao (Department of Obstetrics and Gynecology, Changhua Christian Hospital, Taiwan)

Head and Neck (1)
Chair: Takahiro Fukuhara, Japan

AF-P8-01 Ultrasound Imaging of the Cheek
Nitin Chaubal (Department of Ultrasound Thane Ultrasound Centre, India)

AF-P8-02 Ultrasonography of the Larynx: Adult Paraglottic Space
Qiang Zhu (Department of Clinical Ultrasound, Beijing Tongren Hospital, Capital Medical University, China)

AF-P8-03 Ultrasonography of the Larynx: Children Vocal Cord Immobility
Qiang Zhu (Department of Clinical Ultrasound, Beijing Tongren Hospital, Capital Medical University, China)

AF-P8-04 The Assessment of Vocal Cord Movement During Thyroid Ultrasonography
Heungcheol Kim (Department of Radiology, Hallym University, Korea)

AF-P8-05 The Diagnostic Value of Ultrasound in the Detection of Nasoorbitoethmoidal Fracture Coincident with Nasal Bone Trauma
Heungcheol Kim (Department of Radiology, Hallym University, Korea)

AF-P8-06 Remote Consultation for Abdominal Aortic Aneurysm (Aaa): A Pilot Study
Wan-Ching Lien (Department of Emergency Medicine, National Taiwan University Hospital, Hsin-Chu Branch, Taiwan)

Gastroenterology 4 GB&Pancreas
Chair: Akira Kanamori, Japan

AF-P9-01 Real-Time and Mobile Consultation for Diagnosis for Acute Cholecystitis in Novice Sonographers: A Preliminary Study
WanChing Lien (Department of Emergency Medicine, National Taiwan University Hospital, Hsin-Chu branch / National Taiwan University, Taiwan)

AF-P9-02 Sonographic Diagnosis of Gallbladder Perforation, A Life Threatening Surgical Emergency
Wai Pong Chu (Department of Radiology, Tseung Kwan O Hospital, Hong Kong)

AF-P9-03 Acute Cholecystitis: Sonographic Hits and Misseslee
Cherie Pei Yee Lee (Department of Diagnostic Radiology, Singapore General Hospital (SGH), Singapore)

AF-P9-04 Feasibility and Safety of Interventional Eus in Our Institute
Koji Nonogaki (Department of Gastroenterology, Daido Hospital, Japan)

AF-P9-05 Ultrasound-Guided Percutaneous Needle Biopsy for Solid Pancreatic Lesions : Comparison with Endoscopic Ultrasound-Guided Fine-Needle Aspiration
Jei Hee Lee (Department of Radiology, Ajou University School of Medicine, Korea)

AF-P9-06 Usefulness of Endoscopic Ultrasound-Guided Fine Needle Aspiration Biopsy for the Diagnosis of Autoimmune Pancreatitis: Multicenter Prospective Study
Tomomasa Morishima (Department of Gastroenterology and Hepatology, Nagoya University Graduate School of Medicine, Japan)

AF-P9-07 Impact of MUC 2 Expression on the Progression of IPMN Having Worrysome Features On EUS
Shigeto Ishii (Department of Gastroenterology, juntendo University, Japan)

AF-P9-08 Heterotopic Pancreatic Tissue in the Liver, Imaging Appearance on Contrast-Enhanced Ultrasound - A Case Report
Sivashankar Subramaniam (Changi General Hospital, Singapore)

AF-P9-09 Pulsed High-Intensity Focused Ultrasound (HIFU) Treatment in the Pancreas: Preclinical Rvaluation for the Safety and Feasibility in Swine Model
Won Chang (Seoul National University Hospital, Korea)
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| **AF-P10-01** Ultrasound Features of Achalasia (Case Report)  
Thuy Thi Bich Tran (Radiology department, Viet Nam) |
| **AF-P10-02** Non-Invasive Evaluation of Gastric Cancer Peritoneal Dissemination by Ultra High Frequency Ultrasound  
Ching Nien Chen (Department of Surgery, National Taiwan University Hospital / Angiogenesis Research Center, National Taiwan University, Taiwan) |
| **AF-P10-03** Comprehensive Assessment of Ultrasound Seminar in Gastrointestinal Tract  
Masaaki Yamada (Department of Epidemiology and Health Policy, University of Toyama, Japan) |
| **AF-P10-04** Ultrasonographic Findings of Ischemic Abdominal Diseases, as Compared with CT and/or Endoscopic Findings  
Seong Jin Park (Department of Radiology, Kyung Hee University Hospital, Korea) |
| **AF-P10-05** A Feasibility Study of Telementoring for Identifying the Appendix Using Smartphone-Based Telesonography  
Yoon Je Lee (Department of Emergency Medicine, Guri Hospital, Hanyang University College of Medicine, Korea) |
| **AF-P10-06** Ultrasonic Diagnosis of Acute Appendicitis: A Pictorial Assay  
San-Kan Lee (Tungs' Taichung MetroHabor Hospital / Taichung Veterans General Hospital, Taiwan) |
| **AF-P10-07** Approach to US Imaging of the Acute Abdomen (Genitourinary Clinical Questions)  
Gervais Khin-Lin Wansaicheong (Department of Diagnostic Radiology, Tan Tock Seng Hospital, Singapore) |
| **AF-P10-08** Focused Assessment with Sonography in Trauma (FAST): A Multidisciplinary Collaboration in Education, Training and Practice.  
Gervais Khin-Lin Wansaicheong (Department of Diagnostic Radiology, Tan Tock Seng Hospital, Singapore) |
| **AF-P10-09** Changes of Spleen Stiffness after Hepatectomy in Liver Donor  
Han-Ying Lin (Department of Radiology, Taipei Veterans General Hospital, Taiwan) |
| **AF-P10-10** Are Spleen Stiffness Values Using ARFI Technology Suitable Predictors of the Presence of Esophageal Varices in the Various Etiologies?  
Sangyun Lee (Department of Radiology, Dong-A University Hospital, Korea) |
| **AF-P10-11** Case Report : Abdominal Lymphoma  
Thuy Thi Bich Tran (Radiology department, Viet Nam) |

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| **AF-P11-01** Investigation of Microbial Fuel Cell for Long Term Stable Power Production  
Md. Amimul Ihsan (Electrical and Electronic Engineering Department, Islamic University of Technology, Bangladesh) |
| **AF-P11-02** Sonodynamic Therapy of Melanoma Cells with HIFU-Activated-Verteporfin  
Seyedeh Moosavi Nejad (Department of Anatomy, Fukuoka University School of Medicine, Japan) |
| **AF-P11-03** Optimal Complex of Paclitaxel Loaded Heparin Nanoparticles and Microbubbles and Find Optimized Ultrasound Condition for Different Breast Cancer Cells  
Luo Wan Xian (Department of Ultrasound, Nanfang Hospital, Southern Medical University, China) |
| **AF-P11-04** Ultrasound Combined with PH-Sensitive Dual-Targeted Doxorubicin-Loaded Prodrug-Microbubble Complex and Evaluation of The Antitumor Activity in Vivo  
Li Ying Jia (Department of Ultrasound, Nanfang Hospital of Southern Medical University, China) |
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Li Ying Jia (Department of Ultrasound, Nanfang Hospital of Southern Medical University, China) |
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Li Ying Jia (Department of Ultrasound, Nanfang Hospital of Southern Medical University, China) |
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Rei Uchida (Sophia University, Japan) |
## Renal and Urinary Tract (2)

**Chair:** Takahiro Akiyama, Japan

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<td>Nguyen Nghiep Van (Medic Medical Center, Vietnam)</td>
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<td>Liu Min (Department of ultrasound, Sun Yat-sen University Cancer Center, China)</td>
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**Chair:** Hiroshi Yagata, Japan

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**Chair:** Yuko Nakashima, Japan

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AF-P15-03 Classification and Evaluation of the Prognosis of Fetal Vertebral Malformation with Prenatal Ultrasound
yu shi (Department of Ultrasound, Peking University Shenzhen Hospital / Department of Ultrasound, Peking University People’s Hospital, China)

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Kwok Yin Leung (Department of O&G, Queen Elizabeth Hospital, Hong Kong)

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Kwok Yin Leung (Department of O&G, Queen Elizabeth Hospital, Hong Kong)

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Kwok Yin Leung (Department of O&G, Queen Elizabeth Hospital, Hong Kong)

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Shaile Sharm (Institute of Nuclear Medicine and Allied Sciences, Dhaka, BAEC, Bangladesh)

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Sharmin Akter (Institute of Nuclear Medicine and Allied Science, Dhaka Medical College Hospital Campus, Dhaka, BAEC, Bangladesh)

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Afroza Akhter (Instititue of Nuclear Medicine & Allied Sciences, Dhaka Medical College Hospital Campus, Dhaka, BAEC, Bangladesh)

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Yen Hai Phan (Department of Ophthalmology, University of Medicine and Pharmacy of Ho Chi Minh city, Vietnam / Neuro-ophthalmology Service, Eye Hospital of Ho Chi Minh city, Vietnam)

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Sonin Sodov (Mongolian Society of Diagnostic Ultrasound, Mongolia)

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Seung Eun Jung (Department of Radiology, Seoul St. Mary’s Hospital, The Catholic University of Korea, Korea)

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Eriko Matsuda (Department of Otolaryngology-Head and Neck Surgery, Tottori University Faculty of Medicine, Japan)

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Jeong Hyun Yoo (Mokdong Hospital, Ewha womans University, School of Medicine,Korea)

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Jeong Kyu Kim (Department of Otorhinolaryngology-Head and Neck Surgery, Catholic University of Daegu, Korea)

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Prakash Kayastha (Department of Radiology & Imaging, Institute of Medicine, Tribhuvan University Teaching Hospital, Nepal)

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Shaniszah Jamaruddin (Department of Diagnostic Radiology, Singapore General Hospital, Singapore)

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Hyunsuk Yoo (Department of Radiology, Seoul National University Hospital, United States)

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Luyao Zhou (Department of Medical Ultrasonics, the First Affiliated Hospital of Sun Yat-sen University, China)

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Luyao Zhou (Department of Medical Ultrasonics, the First Affiliated Hospital of Sun Yat-sen University, China)

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Hyun Cheol Kim (Department of Radiology, Kyung Hee University Hospital at Gangdong,Korea)

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Joon-Il Choi (Department of Radiology, Seoul St.Mary’s Hospital, College of Medicine, The Catholic University of Korea, Korea)

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Lisha Wu (Ultrasound Room, Changhua Christian Hospital, Taiwan)

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AF-P19-09  Us-Us Fusion Imaging in Radiofrequency Ablation Therapy for Metastatic Liver Cancer  
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AF-P19-10  Multifocal Nodular Steatosis: A Case Report  
Hirokazu Chishina (Department of Gastroenterology and Hepatology, Kindai University Faculty of Medicine, Japan)

AF-P19-11  Withdrawn

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Chair: Hiroshi Ida, Japan

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