Education Exhibit Awards Winners

Magna Cum Laude

NR344-ED-TUA9	Extra-Nodal Extension in Head and Neck Cancer : How Radiologists Can Help Staging and Treatment Planning 檜山貴志（国立がん研究センター東病院）ほか 46P

Cum Laude

BR124-ED-X	MRI-Detected Breast Lesions : Comparison with Second-look US Using Real-time Virtual Sonography and Histopathological Findings 中島一彰（静岡がんセンター）ほか ☞46P
GI199-ED-X	Diagnostic Approach for Gastric Tumor, Focusing on Double Contrast Radiogram : Correlation Between the Radiological and Histopathological Findings 南口貴世介（奈良県立医科大学）ほか ☞47P
IN105-ED-X	Necessity of 3D Imaging in Robot assisted surgical kidney resection ―An optimal way to provide accurate images― 宮地優介（九州医療センター）ほか ☞48P
MS136-ED-X	Imaging of Paraganglioma : A Comprehensive Review 長田周治（久留米大学）ほか ☞48P
NR020-EB-TUA	Imaging Findings in Medication-Induced Changes of the Central Nervous System : What Radiologists Should Know 原田太以佑（北海道大学病院）ほか ☞49P
NR159-ED-X	Radiological Approach for Depth of Invasion of the Oral Tongue Cancer added in AJCC 8th Edition : Assessment of the Necessity of Elective Neck Dissection 馬場　亮（東京慈恵会医科大学）ほか ☞50P

Certificate of Merit

CH147-ED-X	Tracheobronchial Tumors : Imaging Findings with Pathological Correlation 古谷清美（九州医療センター）ほか
ER114-ED-X	Emergency cases resulting from fish bone ingestion 市川新太郎（山梨大学）ほか ☞50P
GI116-ED-X	CT gastrography for gastric tumors : What is the current role? 鶴丸大介（九州大学）ほか ☞51P
GI123-ED-X	A diversity of imaging findings in gastrointestinal stromal tumor : What is characteristic finding? 井上明星（東近江総合医療センター）ほか ☞51P
GI141-ED-X	How to Avoid Misdiagnosis of Malignant Liver Tumors? Tips and Pearls on Interpreting Abdominal CT 中井浩嗣（京都大学）ほか ☞52P
GI155-ED-X	Cystic Pancreatic Lesions : Understanding Imaging Features and Pathological Findings 田村明生（岩手医科大学）ほか ☞53P
GI279-ED-SUA10	Clinical implementation of dual-energy CT for bowel disease : it's time to embrace the change 田口奈留美（熊本大学）ほか ☞53P
IN100-ED-X	Robotic Process Automation in Radiology : Go Beyond Artificial Intelligence in Radiology Department 中田典生（東京慈恵会医科大学）ほか ☞54P
IN109-ED-X	The First Step of Texture Analysis : How to Create Grey Level Co-Occurrence Matrix (GLCM) and Calculate Six Texture Measures 船木　翔（愛媛大学）ほか
MK202-ED-X	Postmortem imaging of the cervical spine injuries 槇野陽介（東京大学／千葉大学）ほか ☞54P
MS138-ED-X	Typical and Atypical Manifestation of "Schwannoma" : Multimodality Imaging and Differential Diagnosis 南口貴世介（奈良県立医科大学）ほか ☞55P

NM 100-ED-X	A Pictorial Review of Arthritis on FDG-PET/CT : Key Features and Uptake Patterns for Differential Diagnosis 堀田昌利（国立国際医療研究センター病院）ほか	☞ 56P
NM 103-ED-X	Imaging of Merkel Cell Carcinoma : What Imaging Experts Should Know 赤池源介（ワシントン大学）ほか	☞ 56P
NM 116-ED-X	Clinical PET Imaging in Pediatric Brain Tumors 山本由佳（香川大学）ほか	☞ 57P
NR 111-ED-X	All-You-Can-See : Dynamic Volume Scan for Cerebral Infarction using 320-detector-row CT 松崎雄次（国立循環器病研究センター病院）ほか	☞ 57P
NR 132-ED-X	Multimodality Imaging Characteristics of HPV-Related Oropharyngeal Squamous Cell Carcinoma : morphologic radiologic features and quantitative parameters 山内英臣（東京慈恵会医科大学）ほか	☞ 58P
NR 135-ED-X	Pseudocontinuous Arterial Spin Labeling : Clinical Applications and Usefulness in Head and Neck Entities 海野真記（三重大学医学部附属病院）ほか	
NR 146-ED-X	Advanced Imaging Protocol to Improve Image Quality of Carotid CT Angiography 太田佳孝（岩手医科大学附属病院）ほか	☞ 58P
NR 150-ED-X	Sphenoid Sinus Disease : A Pictorial Review 田邊雅也（山口大学）ほか	
NR 180-ED-X	Occupational Radiation Exposure of the Eye Lens in Neurovascular Interventional Physicians 加藤 守（秋田県立脳血管研究センター）ほか	☞ 59P
NR 250-ED-X	Updates of Anaplastic Thyroid Cancer : Diagnosis, Molecular Genetics, and Treatment 齋藤尚子（埼玉医科大学国際医療センター）ほか	
OB 152-ED-X	High-resolution Diffusion-weighted imaging In the Pelvis and Abdomen : Is it useful for clinical practice? 太田崇詞（大阪大学）ほか	☞ 60P
PD 107-ED-X	Neurocristopathies : The Many Enigmatic Faces of Neural Crest Cell Derived Abnormalities 半田淳比古（アイオワ大学附属病院）ほか	
PD 124-ED-X	Skeletal Ciliopathies : A Pattern Recognition Approach and Latest Updates in Genetics that Radiologists Need to Know 半田淳比古（アイオワ大学附属病院）ほか	
PH 107-ED-X	Easy Understanding of Theory and Image Characteristics of the Model-Based Iterative Reconstruction at CT for Radiologists : How Does It Work? 檜垣 徹／前田章吾（広島大学）ほか	☞ 60P
PH 117-ED-X	Optimization Method of Hyper-Parameters in Convolutional Neural Network for Medical Image Application 田中滉大（立命館大学）ほか	☞ 61P
UR 176-ED-SUB6	New and Updated Topics in Targeted Therapies for the Treatment of Advanced and Metastatic Renal Cell Carcinoma : What the Radiologists Should Know 上野嘉子（神戸大学）ほか	☞ 62P
UR 187-ED-WEA8	What Radiologists Need to Focus on Renal Imaging for Preventing Pathological Upstaging of Clinical T 1 to Pathological T 3 Renal Cancer Managed by Partial Nephrectomy 髙橋 哲（高槻病院イメージングリサーチセンター）ほか	
VI 148-ED-X	Automated Tumor-feeder Detection Software (ATDS) Using CT arteriography (CTA) images in transarterial embolization (TAE) 久保貴俊（東京大学医学部附属病院／国立がん研究センター中央病院）ほか	☞ 62P
VI 170-ED-WEB11	Clinical applications of dynamic density optimization in body digital angiography : what the radiologist needs to know 立石秀勝（杏林大学）ほか	☞ 63P
VI 173-ED-THB9	Need-to-know Things About Interventional Procedures Related to Portal Venous System 大田信一（滋賀医科大学病院）ほか	☞ 63P
VI 175-ED-TUB11	What should diagnostic radiologists know about endoscopic ultrasound-guided biliary intervention? 菅原俊祐（国立がん研究センター中央病院）ほか	☞ 64P