Highlights
- Creative Speakers & Panel Discussions
- Interactive Poster Session
- Emerging Researcher Forum
- Networking & Collaboration
- Full-length Manuscript Submissions

Venue
DoubleTree by Hilton Baltimore
- BWI Airport
890 Elkridge Landing Rd
Linthicum Heights
M.D. 21090, USA
Ph: +1 410-859-8400
We are excited to use Whova as our event platform. Attendees please download Whova event app.

The event invitation code is: imaow
JOURNAL OF MEDICAL IMAGING AND CASE REPORTS

Frequency: Quarterly | ISSN: 2578-2045

In association with: International Conference on Medical Imaging and Case Reports
October 29-31, 2018 | Baltimore, USA

Key Features

MICR ensures a rigorous, high-quality and unbiased peer-review process for all manuscripts submitted. The decision of article acceptance is judged by a panel of expert reviewers and/or editors emphasizing whether the findings and/or conclusions are novel and make useful contributions to the field.

Best publishing practice: The editorial policies of MICR are designed according to the aspects, advices and recommendations of Committee of Publication Ethics (COPE), World Association of Medical Editors (WAME) and International Committee of Medical Journal Editors (ICMJE).

High-quality peer review: A minimum of 2-3 potential reviewers who are experts in the field are invited to review and along with their comments the editor makes the final decision on the manuscript.

Short turnaround time: Our goal is to publish accepted manuscripts within 6-8 weeks of initial submission.

Journal Partners

MICR has partnered with PORTICO's e-journal digital preservation services to ensure the journal content is preserved for long-term.

MICR has adopted strict COPE guidelines to detect plagiarism and journal editors take effective measures to prevent plagiarism in the published articles.

Manuscript submission and tracking for authors. Efficient peer-review system for referees. Integrative standards with ORCID, FundRef, JATS and CRediT.

To make publications discoverable—Through Crossref DOI. Adding DOIs to your article means that we are linking your content with the growing network of scholarly research.

Manuscript Submissions

We take great pleasure in inviting you to contribute your work to our journal. With your support, MICR will become a world class scientific journal and an invaluable resource for researchers, clinicians, health care professionals in the field of Medical Imaging.

For more details about the journal please visit: http://medimagingcasereports.com/ or email to us at micr.editor@usgjournals.com
For manuscripts submissions: http://www.edmgr.com/usg/
Scientific Topics
The conference covers different medical imaging modalities used for diagnosis, monitoring, and treatment. The subject areas may include, but are not limited to the following domains:

- Medical Imaging and Analysis
- 3D Imaging
- Nuclear Medicine
- Machine Vision in Medicine
- Musculoskeletal Imaging
- X-ray and Abdominal Imaging
- Computer-aided Diagnosis
- Magnetic Resonance and Ultrasound
- Medical Image Visualization
- Cardiac Imaging
- Computed Tomography
- Vascular and Interventional Radiology
**Keynote Session**

**Time** | **Speaker** | **Presentation Title**
---|---|---
08:30 | Rajendra Badgaiyan, M.D.  
Department of Psychiatry, Icahn School of Medicine at Mount Sinai, New York, NY | Expanding Frontiers of Neuroimaging: Dynamic Molecular Imaging
09:10 | Martha E. Shenton, Ph.D.  
Psychiatry Neuroimaging Laboratory, Harvard Medical School, Boston, MA | Neuroimaging Advances and Their Application to Schizophrenia and Mild Traumatic Brain Injury
09:50 | Michael Miller, Ph.D.  
Director of Center for Imaging Science, Johns Hopkins University, Baltimore, MD | AI, Machine Learning and Brain Clouds for Medical Imaging at 1mm Scales

**Coffee Break**

08:00 | Registrations | @ Pre-Function Area
08:20 | Introduction to MICR-2018 | @ Pre-Function Area
<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Presentation Title</th>
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<tbody>
<tr>
<td>12:20</td>
<td>Jinah Park, Ph.D.</td>
<td>Hippocampal Morphology Study Based on Progressive Template Deformable Model</td>
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<td></td>
<td>School of Computing, Korea Advanced Institute of Science and Technology, South Korea</td>
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<tr>
<td>13:00</td>
<td>Lunch Break &amp; Networking</td>
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<tr>
<td>14:00</td>
<td>Polina Golland, Ph.D.</td>
<td>Medical Image Imputation</td>
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<td>Computer Science and Artificial Intelligence Laboratory Massachusetts Institute of Technology, Cambridge, MA</td>
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<tr>
<td>14:40</td>
<td>Jeff W.M. Bulte, Ph.D.</td>
<td>Medical Imaging for Cell Therapy: Clinical Case Studies</td>
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<td></td>
<td>Director of Cellular Imaging, The Johns Hopkins Institute for Cell Engineering, Baltimore, MD</td>
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<tr>
<td>15:20</td>
<td>Terry S. Yoo, Ph.D.</td>
<td>Lightweight Technology for Interventional Medicine: An Optical Flow Approach to Tracking Colonoscopy Video</td>
</tr>
<tr>
<td></td>
<td>School of Computing and Information Science, University of Maine, Orono, ME</td>
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</tr>
<tr>
<td>16:00</td>
<td>Jeffrey H. Siewerdsen, Ph.D.</td>
<td>Advances in Intraoperative Imaging and Registration for Image-Guided Interventions</td>
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<tr>
<td></td>
<td>Department of Biomedical Engineering, Johns Hopkins University, Baltimore, MD</td>
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<tr>
<td>16:40-17:30</td>
<td>Poster Presentations (See Annexure)</td>
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<tr>
<td>18:30-19:30</td>
<td>Welcome Reception &amp; Networking</td>
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</tbody>
</table>
**Keynote Session**

08:30  **S. Kevin Zhou, Ph.D.**  
Institute of Computing Technology, Chinese Academy of Sciences, China  
**Presentation Title**  
Machine Learning + Knowledge Modeling: Medical Image Recognition, Segmentation and Parsing

**Breakout - 1**

**Technical Session-1 | Neuroradiology and Diagnostic Imaging**

**Chairs:**  Jun Hua, Ph.D.  |  Lana Vasung, M.D., Ph.D.

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>09:10</td>
<td>Curtis Fedorchuk, D.C.</td>
<td>Correction of Grade 2 Spondylolisthesis Following a Non-Surgical Structural Spinal Rehabilitation Protocol Using Lumbar Traction: A Case Study and Selective Review of Literature</td>
</tr>
<tr>
<td>09:30</td>
<td>Julide Sisman, M.D., MSCS</td>
<td>Lenticulostriate Vasculopathy in Preterm Infants: A New Classification, Clinical Associations and Neurodevelopmental Outcome</td>
</tr>
<tr>
<td>09:50</td>
<td>Jun Hua, Ph.D.</td>
<td>The Role of Arteriolar Blood Vessels for Preclinical Stages of Neurodegenerative &amp; Chronic Psychiatric Diseases</td>
</tr>
<tr>
<td>10:10</td>
<td>Lana Vasung, M.D., Ph.D.</td>
<td>Clinical, Genetic, and Neuroimaging Characterization of Patients with Developmental and Iatrogenic Inter-Hemispheric Disconnection</td>
</tr>
<tr>
<td>10:30</td>
<td>Coffee Break</td>
<td><strong>@ Pre-Function Area</strong></td>
</tr>
<tr>
<td>10:50</td>
<td>Nondumiso Dlamini, M.D.</td>
<td>MRI Diagnosis of Infantile Alexander Disease in a 14 Month Old African Boy: A Case Report</td>
</tr>
<tr>
<td>11:10</td>
<td>Pamela Bertolazzi, Ph.D.</td>
<td>Association of Childhood Obesity with the Central Nervous System: Study of Diffusion Tensor Imaging (DTI)</td>
</tr>
<tr>
<td>11:30</td>
<td>Tamara Feygin, M.D.</td>
<td>Dynamic MR Imaging (MR Fluoroscopy): Clinical Applications in Pediatric Neuroradiology</td>
</tr>
</tbody>
</table>
**Day 2 — Tuesday**

**30 Oct, 2018**

11:50  
**J. P. de Almeida Martins**  
Division of Physical Chemistry, Lund University, Sweden

Model-free Characterization of the Microstructure of the Living Human Brain with 5D Relaxation Diffusion Tensor Correlation MRI

12:10  
**Tahaamin Shokuhfar**  
Feinberg School of Medicine, Department of Radiology, Northwestern University, Chicago, IL

De Novo Formation of Spinal Pial Arteriovenous Fistula Ten Years Post-Resection of Different AVFs

12:30  
**Lunch Break**  
@ Annapolis Room

**Technical Session-2 | Cancer Imaging and Nuclear Medicine**  
@ Harbor Room

**Chair:**  
**Anish Bhattacharya**, MBBS, DNB, Ph.D.

13:40  
**Petr Bruza, Ph.D.**  
Optics in Medicine laboratory, Thayer School of Engineering, Dartmouth College, Hanover, NH

Optical Imaging of Dose for Comprehensive Quality Assurance in Radiation Oncology

14:00  
**Felipe Roth Vargas, M.D.**  
BP Medical Center, São Paulo, Brazil

68 Ga - PSMA, Initial Experience and Future Applications

14:20  
**Hugues Brat, M.D.**  
Institut de Radiologie de Sion, Groupe3r, Switzerland

Comparison of Clinical and Phantom Image Quality for Low Contrast Liver Lesion in a Prospective Multicenter CT Scanner Dose Optimization Program

14:40  
**Rammohan Vadapalli, M.D.**  
Consultant Radiologist, Vijaya Diagnostics, Hyderabad, India

Diffusion Tensor Imaging and Fibre Tracking Biomarkers of Intramedullary Tumours of Spinal Cord for Predictive Resectability Scoring-Observational Comparative Study of 48 Cases

15:00  
**Muhammad Bilal Fayyaz, MBBS, FCPS**  
Senior Instructor Radiology, Shaukat Khanum Memorial Cancer Hospital & Research Centre, Peshawar, Pakistan

Pictorial Review of Extra-Osseous Ewing’s Tumors, A Single Center Experience in Pakistan

15:20  
**Anish Bhattacharya, MBBS, DNB, Ph.D.**  
Department of Nuclear Medicine, PGIMER, Chandigarh, India

PET-CT with 18F-FDG Labeled Leucocytes - A New Paradigm in Infection Imaging

15:40  
**Ulas Bagci, Ph.D.**  
Center for Research in Computer Vision, Department of Computer Science, University of Central Florida, Orlando, FL

Radiologist-Centered Artificial Intelligence for Lung Cancer Diagnosis

16:00  
**Coffee Break**  
@ Pre-Function Area
16:20  A. Priya, M.D.
Regional Cancer Centre, Thiruvananthapuram, India

Retrospective Study of Diagnostic Performance of 18 F FDG PET-CT in Cases Referred as Carcinoma of Unknown Primary

16:40  Ronnie A. Sebro, M.D., Ph.D.
Department of Radiology, University of Pennsylvania, Philadelphia, PA

Novel Preclinical PET/CT Tracers for the Evaluation of Sarcomas

17:00  Padikkalakandy Cheriyath Shesnia Salim, M.D.
Dalian Medical University, Liaoning Sheng, China

Texture Analysis of Apparent Diffusion Coefficient Maps to Differentiate Between High-grade Gliomas and Metastatic Brain Tumors

17:20  Hala El-Hadary, M.D.
Consultant of Rheumatology & Immunology, Kasr El- Ainy, School of Medicine, Cairo University, Egypt

IgG4-Related Disease Misdiagnosed as Cholangiocarcinoma
Breakout - 2  
Technical Session-3  |  Machine Learning, Medical Imaging and Analysis

**Chairs:**  S. Kevin Zhou, Ph.D. | Rajendra Badgaiyan, M.D.

**09:10**  
**Ali Kamen, Ph.D.**  
Siemens Healthineers, Technology Center, Princeton, NJ  
Shaping the Future Through Innovations: From Medical Imaging to Precision Medicine

**09:30**  
**Moo K. Chung, Ph.D.**  
Department of Biostatistics & Medical Informatics, University of Wisconsin-Madison, Madison, WI  
Unified Heat Kernel Regression for Diffusion, Kernel Smoothing and Wavelets on Irregular Image Domains and Its Application to Lung Blood Vessel Trees

**09:50**  
**Raj Shekhar, Ph.D.**  
Children’s National Health System, Washington, DC  
Medical Image Fusion and Augmented Reality

**10:10**  
**Boris Gramatikov, Ph.D.**  
Wilmer Ophthalmological Institute, Johns Hopkins University School of Medicine, Baltimore, MD  
Optimizing the Optoelectronics for Retinal Polarization-Sensitive Scanning When Used in Combination with Other Ophthalmic Diagnostic Technologies

**10:30**  
**Coffee Break**  
@ Pre-Function Area

**10:50**  
**Alycia Markowski, DPT, MPhyS(manip), FAAOMPT, OCS**  
Department of Physical Therapy, Movement and Rehabilitation Sciences, Northeastern University Boston, MA  
The Benefit of Incorporating Ultrasound Imaging as Adjunct Teaching Tools to Enhance Physical Therapist Students’ Ability and Confidence to Perform Manual Therapy

**11:10**  
**Maureen K. Watkins, PT, DPT, OCS, MBA, LMT**  
Department of Physical Therapy, Movement and Rehabilitation Sciences, Northeastern University, Boston, MA  
The Benefit of Incorporating Ultrasound Imaging as Adjunct Teaching Tools to Enhance Physical Therapist Students’ Ability and Confidence to Perform Manual Therapy

**11:30**  
**Çisel Yazgan, M.D.**  
Consultant Radiologist & Assistant Professor, Hacettepe University Faculty of Medicine, Turkey  
Precision Imaging- Better Image Quality for Focal Liver Lesions

**11:50**  
**Donald Soboleski, M.D.**  
Associate Professor, Section Head - Pediatric Radiology, Queen’s University, Ontario, Canada  
Novel Method to Improve Radiologist Agreement in Interpretation of Serial Chest Radiographs in the ICU
12:10  Roberto Rosas Romero, Ph.D.  
Professor, Department of Electrical and Computer Engineering, Universidad de las Américas, Mexico  
Morphologic Image Processing for Detection of Micro-Aneurysms in Fundus Images as Pre-Diagnosis of Diabetic Retinopathy

12:30  Seyoun Park, Ph.D.  
Radiology and Radiological Science, Johns Hopkins University, Baltimore, MD  
Radiomics-based Classification of the Phenotype of Pancreas Neoplasms

12:50  Lunch Break  
@ Annapolis Room

14:00  Juan de Dios Berná Mestre, M.D., Ph.D.  
Faculty of Medicine, University of Murcia, Spain  
New Imaging Techniques for the Male Urethra

14:20  Victor Frenkel, Ph.D.  
Department of Diagnostic Radiology and Nuclear Medicine, University of Maryland School of Medicine, MD  
MRI-Guided Focused Ultrasound: A Transformative, State-of-the-Art Technology for 21st Century Medicine

14:40  Vipin Chaudhary, Ph.D.  
National Science Foundation and State University of New York (SUNY) at Buffalo, NY  
Computer Aided Diagnosis of Lumbar Pathology

Technical Session-4 | Cardiac Imaging  
@ Bille Holiday Room

Chairs:  John Buscombe, Ph.D.  |  Fabao Gao, M.D., Ph.D.

15:00  John Buscombe, Ph.D.  
Cambridge University Hospitals, Cambridge, UK  
PET Probes in Atheroma

15:20  Xin Li, Ph.D.  
X-ray Inspection Lead Engineer, GE Global Research, Niskayuna, NY  
Toward Patient-specific Optimization of Post-reconstruction Filtered OS-EM for Simultaneous-acquisition Dual-radiouclide Myocardial Perfusion SPECT

15:40  Fabao Gao, M.D., Ph.D.  
Molecular Imaging Center, Department of Radiology, West China Hospital of Sichuan University, China  
Non-contrast T1ρ and Extracellular Volume Mapping for Characterizing Diffuse Myocardial Fibrosis in Spontaneous Type II Diabetes Rhesus Monkeys

16:00  Coffee Break  
@ Pre-Function Area

16:20  Olga Dariy, M.D.  
A.N. Bakoulev Scientific Center for Cardiovascular Surgery, Russia  
Myocardial T1-Mapping in Daily Cardiac Magnetic Resonance Study in Hypertrophic Cardiomyopathy
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>16:40</td>
<td>Leslie Wormely, RVT</td>
<td>Cerebral Mycotic Aneurysm and Infective Endocarditis: A Case Study</td>
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<td>Lead Vascular Sonographer at the Christ Hospital Health Network, Cincinnati, OH</td>
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<tr>
<td>17:00</td>
<td>Daehyun Hwang, M.D., Ph.D.</td>
<td>Intracranial Stents, Past Present and Future (Intracranial Angioplasty and Stenting for Cerebral Atherosclerosis; Result 106 Cases)</td>
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<td></td>
<td>Professor, Department of Radiology, Seoul Paik Hospital, Inje University, Seoul, South Korea</td>
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<tr>
<td>17:20</td>
<td>Abhishek Mashirkar, MBBS, M.D.</td>
<td>Radiological Evaluation of Aortopulmonary Window (APW): A Case Report</td>
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<td></td>
<td>SuperSpeciality Hospital and Government Medical College, Nagpur, India</td>
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<tr>
<td>17:40</td>
<td>Rammohan Vadapalli, M.D.</td>
<td>Arterial Spin Labelling: Basics and Current Emerging Clinical Applications What Every Resident Must Know</td>
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<td>Consultant Radiologist, Vijaya Diagnostics, Hyderabad, India</td>
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<tr>
<td>Time</td>
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<td>09:00</td>
<td><strong>Sandhya Dhankhar, Ph.D.</strong>&lt;br&gt;Director &amp; Consultant Radiologist, Faith Diagnostic Centre, Chandigarh, India</td>
<td>Granulomatous Mastitis a Mimicker on Elastography</td>
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<tr>
<td>09:20</td>
<td><strong>Sungmin Kim</strong>&lt;br&gt;Korea Institute of Machinery and Materials, Daejeon, South Korea</td>
<td>Model-based Registration Approach for Image-Guided Surgery</td>
</tr>
<tr>
<td>09:40</td>
<td><strong>V. Shebryakov, Ph.D.</strong>&lt;br&gt;Pirogov National Medical &amp; Surgical Center, Moscow, Russia</td>
<td>MR-Venography in the Diagnosis of Post-thrombotic Iliac Vein Obstruction and Extravascular Compression</td>
</tr>
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<td>10:00</td>
<td><strong>Amit Ashok Habbu, M.D., MPH.</strong>&lt;br&gt;Radiologist, Kadlec Regional Medical Center, Richland, WA</td>
<td>Generalized Giant Cell Arteritis Discovered on Positron Emission Tomography</td>
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<tr>
<td>10:20</td>
<td><strong>Abhishek Mashirkar, MBBS, M.D.</strong>&lt;br&gt;Super Speciality Hospital and Government Medical College, Nagpur, India</td>
<td>Sonourethrogram: Role in the Evaluation of Anterior Urethral Strictures</td>
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<tr>
<td>10:40</td>
<td><strong>Andrew J. Kobets, MD, MHS</strong>&lt;br&gt;Department of Neurological Surgery, Albert Einstein College of Medicine, Montefiore Medical Center, Bronx, NY</td>
<td>Virtual Modeling, Stereolithography, and Intraoperative CT Guidance for the Optimization of Sagittal Synostosis Reconstruction: A Technical Note</td>
</tr>
<tr>
<td>11:00</td>
<td><strong>Hussam K. Hamadah, M.D.</strong>&lt;br&gt;Section of Pediatric Cardiac ICU, King Abdulaziz Cardiac Center, Ministry of National Guard– Health Affairs, Kingdom of Saudi Arabia</td>
<td>Ultrasound for Diaphragmatic Dysfunction in Post-Operative Cardiac Children</td>
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<tr>
<td>11:20-</td>
<td><strong>Lunch and Departures</strong></td>
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**Poster Presentations**

| P-01 | Arnav Wadhawan  
Ridley College, Canada | Septic Emboli in Lungs from Tricuspid Valve Endocarditis |
|------|----------------|-------------------------------------------------|
| P-02 | Joseph Bibawy, DO  
Richmond University Medical Center, Staten Island, NY | Acute Carotid Thrombosis and Ischemic Stroke Following Overdose of the Synthetic Cannabinoid K2 in a Previously Healthy Young Adult Male |
| P-03 | Nicholas Chedid  
Yale School of Medicine, New Haven, CT | Deep-Learned Generation of Synthetic X-Rays from Segmentations |
| P-04 | MV Francis, MBBS, M.S.  
Headache and Neuro Ophthalmology Services, Teresa Eye and Migraine Center, India | Neuroimaging in Headache Disorders- Common Pitfalls and Strategies to Overcome |

**Virtual Presentations**

| P-05 | Trinanjan Basu, M.D.  
Consultant Radiation Oncologist, HCG Apex Cancer Centre, Mumbai, India | Simple Diagrammatic Approach to Delineate Duodenum on a Radiotherapy Planning CT Scan |
|------|----------------|-------------------------------------------------|
| P-06 | Petr Kotlyarov, M.D.  
Russian Scientific Center of X-Ray Radiology, Russia | Virtual Bronchoscopy Multislice Tomography in Traumatic Injuries of the Main Bronchi |
| P-07 | Elena Lomova  
Novokuznetsk City Children’s Clinical Hospital No. 4, Novokuznetsk, Russia | Possibilities of Multislice Computed Tomography for the Detection of Malignant Tumors of the Retroperitoneal Space and Control of Their Treatment in Children |
| P-08 | Yekaterina Lyugay  
Hospital of Medical Center Office of the Department of the Presidential Affairs, Republic of Kazakhstan | Use of Radiopharmaceuticals Based on 99m Tc in Estimation of the Bone Metastatic Damage by Results of Scintigraphy and SPECT/CT Bones of the Skeleton. Analysis of Practical Work of the Nuclear Medicine Department |
| P-09 | Anastasia Daskalaki, PhD  
Biomedical Technology Unit, School of Medicine, University of Patras, Greece | Breast Tomosynthesis: A Comparison Study Between Commercial Imaging System and Phase Sensitive Imaging Using Synchrotron Radiation |
| P-10 | Mohammed Jasim Al-Juboori, BDS, Msc  
Lecturer, Department of Periodontology, Al-Rafidain College, Baghdad, Iraq | PRF in Dentistry |
We wish to see you
at
MICR-2019, Boston