



MICR-2019

Conference Preliminary Program

**2nd International Conference on
Medical Imaging and Case Reports**

Crowne Plaza Boston - Newton, Boston, MA
20-22 November 2019

About the Organizer

2nd International Conference on Medical Imaging and Case Reports (MICR-2019) is organized by United Scientific Group (USG), a nonprofit scientific organization with tax-exempt status under Section of Internal Revenue Code 501(c)(3) of the United States of America.

USG has a history of successfully organizing and managing, scientific meetings, symposiums and panel discussions ranging from 50 to 350 participants, throughout the United States of America and internationally.

USG is led by a group of senior scientists as the board of directors, who are committed to work together and contribute their best services to the scientific community by supporting scientific meeting organization and open access content publication.

Our vision is to create various scientific networking platforms by organizing conferences to bridge the gap between research and business for the translation of scientific discoveries and innovative thoughts into implementable solutions and products which benefit humankind.

We believe in creating a platform where knowledge exchange and growth of scientific wisdom can take place by connecting and sharing valuable inputs and opinions of practitioners and academicians from across the globe. This will help address the rising scientific queries and provide solutions for a smarter and more advanced future.

Through the years, USG Conferences has hosted Nobel Laureates, National Academy Members, industry and academic stalwarts, innovators, and entrepreneurs, who interact with the audience through a talk and during the networking sessions.

MICR-2019 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
- Cancer Imaging and Nuclear Medicine
- Pre-clinical Imaging
- Machine Vision in Medicine
- X-ray and Abdominal Imaging
- Computer-aided Diagnosis
- Magnetic Resonance and Ultrasound
- Medical Image Visualization
- Cardiac Imaging

Organizing Committee

Rajendra Badgaiyan, M.D.

Audie L. Murphy Memorial VA Hospital, San Antonio, TX

Boris Gramatikov, Ph.D.

Johns Hopkins University School of Medicine, Baltimore, MD

Mei-Hua Hall, Ph.D.

Harvard Medical School, Belmont, MA

Anna Yankovskaya

National Research Tomsk State University, Russia

Kenji Suzuki, Ph.D.

Illinois Institute of Technology, Chicago, IL

Reasons to Attend MICR-2019



Learn

MICR conference includes the most influential medical imaging speakers in the world, keynotes, informative panels and some of the best networking you'll find all year. The conference is unique in its approach of encouraging a dialogue between speakers and delegates through its well-planned agenda with the series of talks, poster presentations, clinical image exhibits, discussions and networking events that will keep participants engaged in learning.



Discover

The conference aims to provide timely, evidence-based information that helps radiologists, sonographers, medical physicists, clinicians, biomedical engineers and allied experts. MICR is focused to introduce the latest achievements, technologies and breakthroughs in Medical Imaging to all healthcare practitioners.



Connect

MICR-2019 provides a great means for networking and building strong social connectivity among the scientific community comprising of academicians, researchers, doctors, industry experts, government policy makers from worldwide. The conference provides you with endless opportunities to network with fellow attendees and get exposed to new ideas.



Previous Edition

MICR-2018 brought together 72 speakers from leading institutes and organizations having a diverse subject expertise from 28 countries, to share and discuss on the latest scientific advances in the field of radiological sciences.

Conference at a Glance

Wednesday 20 November	Thursday 21 November	Friday 22 November
08:00-08:20 Registrations	08:30-09:30 Keynote Session	09:00-11:00 Technical Session 5
08:20-08:30 Introduction to MICR-2019	09:30-11:00 Technical Session 1 (Room-1) Technical Session 2 (Room-2)	11:00-11:30 Coffee Break
08:30-10:30 Keynote Session	11:00-11:30 Coffee Break	11:30-13:00 Technical Session 5
10:30-11:00 Coffee Break	11:30-01:00 Technical Session 1 (Room-1) Technical Session 2 (Room-2)	13:00-14:00 Lunch Break & Networking
11:00-13:00 Keynote Session	13:00-14:00 Lunch Break & Networking	14:00-16:00 Technical Session 6
13:00-14:00 Lunch Break & Networking	14:00-16:00 Technical Session 3 (Room 1) Technical Session 4 (Room 2)	16:00-16:30 Coffee Break and Departure
14:00-16:00 Keynote Session	16:00-16:30 Coffee Break	
16:00-17:30 Poster Presentations & Workshop	16:30-17:30 Poster Presentations & Workshop	

Keynote Speakers



Martha E. Shenton, Ph.D.
Psychiatry Neuroimaging Laboratory,
Harvard Medical School, Boston, MA

Title: TBA



Elliot K. Fishman, M.D.
Diagnostic Imaging and Body CT, Johns
Hopkins Hospital, Baltimore, MD

**Title: *Cinematic Rendering -
Clinical Applications and Future
Directions***



Michael I. Miller, Ph.D.
Center for Imaging Science, Johns
Hopkins University, Baltimore, MD

Title: TBA



Rajendra Badgaiyan, M.D.
Chief of Psychiatry
South Texas Veteran Health Care System,
Audie L. Murphy Memorial VA Hospital,
San Antonio, TX

Title: TBA



Georges El Fakhri, Ph.D.
Gordon Center for Medical Imaging,
Harvard Medical School,
Boston, MA

**Title: *Imaging Pathophysiology
with PET and MR***



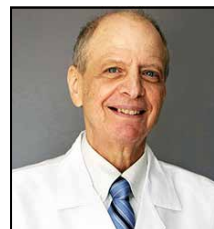
Justin T. Baker, Ph.D.
Functional Neuroimaging &
Bioinformatics, McLean Hospital,
Harvard Medical School, Boston, MA

**Title: *Sensing Psychosis: Toward
Computational Phenotypes in
Severe Mental Illness***



Boris Gramatikov, Ph.D.
Wilmer Ophthalmological Institute,
Johns Hopkins University School of
Medicine, Baltimore, MD

**Title: *Biophotonic Technologies for
Advanced Eye Diagnostics***



Ronald L. Eisenberg, M.D.
Beth Israel Deaconess Medical Center,
Harvard Medical School, Boston, MA

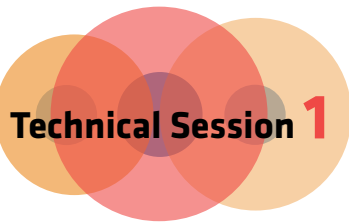
**Title: *Challenging Conventional
Wisdom***



Hayit Greenspan, Ph.D.
Head of Medical image Processing Lab,
Tel-Aviv University, Ramat Aviv, Israel

Title: TBA

Day 2 | November 21, 2019



Technical Session 1

CAD & Machine Learning

The AI Grand Challenge on Chest X-rays: Advances in Deep Learning for Radiology Imaging

[Tanveer Syeda-Mahmood](#), IBM Almaden Research Center, San Jose, CA

Intelligent Medical Self-Learning System of Diagnostics and Monitoring Based on Fault-tolerant Mixed Diagnostic Tests and Cognitive Graphic Tools

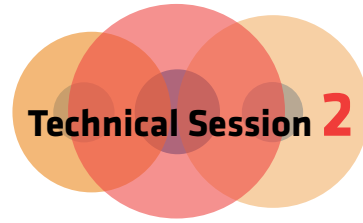
[Anna Yankovskaya](#), National Research Tomsk State University, Russia

Machine Learning for Interventional Radiology

[Tina Kapur](#), Image Guided Therapy, Department of Radiology, Brigham and Women's Hospital, Boston, MA

A Joint Network Optimization Framework to Predict Clinical Severity from Resting State Functional MRI Data

[Niharika Shimona D'Souza](#), Department of Electrical and Computer Engineering, Johns Hopkins University, Baltimore, MD



Technical Session 2

Neuroradiology

The Use of Functional MRI to Look at Various Issues in Patients with Dissociative Identity Disorder

[Robert L. Savoy](#), Martinos Center for Biomedical Imaging, Massachusetts General Hospital, Boston, MA

Multimodality Imaging Approach to Refractory Epilepsy: Case Based Review

[Rammohan Vadapalli](#), Vijaya Diagnostics, Hyderabad, India

A Longitudinal Study of Relationships Between Resting State Functional Connectivity and Recovery Outcomes in Early Psychosis

[Mei-Hua Hall](#), Psychosis Neurobiology Laboratory, McLean Hospital, Harvard Medical School, Belmont, MA

Implementation of a Multi-Phase Contrast Injection: Single-Pass Acquisition Trauma CT Protocol

[David J. Biddle](#), Cambridge University Hospitals NHS Foundation Trust, UK

Impact of Mir137 Pathway Genetic Risk Variants on Brain Morphometry in Schizophrenia

[Elisabetta C. del Re](#), Department of Psychiatry, Harvard Medical School, Boston, MA

Functional and Structural Changes in Addicted Brain

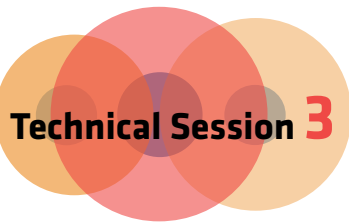
[Dmitrii Iskhakov](#), Almazov National Medical Research Centre, Russia

Computer-Aided Diagnosis on Brain PET Images for Alzheimer's Disease Classification

[Mouloud Adel](#), Aix Marseille University (AMU), France

Magnetic Resonance Elastography in Chronical Shunted Hydrocephalus Patients

[Andrew J. Kobets](#), Department of Neurological Surgery, Albert Einstein College of Medicine, Montefiore Medical Center, NY



Technical Session 3

Cardiac Imaging

The Associations of Subclinical Atherosclerotic Cardiovascular Disease with Hip Fracture Risk and Bone Mineral Density in Elderly Adults

[Joshua I. Barzilay](#), Kaiser Permanente of Georgia and the Division of Endocrinology, Emory University School of Medicine, Atlanta, GA

Application of SPECT/CT Myocardium to Assess the Structural and Functional State of the Cardiovascular System in Women with Postovariectomy Syndrome

[Vladimir Terekhov](#), Belarusian State Medical University, Minsk, Belarus

CT Angiographic Assessment of Coronary Artery Bypass Graft

[Abhishek Mashirkar](#), Government Medical College and Super Specialty Hospital, Nagpur, India

Intraventricular Stent Loss – What to do?

[Imran Iftikhar](#), Interventional Cardiology, The Indus Hospital, Pakistan

Cardiac-MRI in Patients with Hypertrophic Cardiomyopathy Associated with Arrhythmias

[Olga Dariy](#), A.N. Bakulev Scientific Center for Cardiovascular Surgery, Russia

Novel Patterns of Left Ventricular Mechanical Activity During Experimental Cardiac Arrest in Pigs Evaluated by Transthoracic Echocardiography

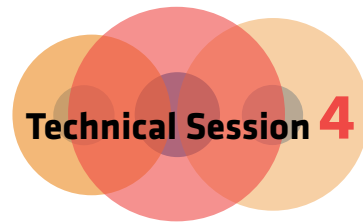
[Roman Skulec](#), Department of Anesthesiology, Perioperative Medicine and Intensive Care, J. E. Purkinje University, Czech Republic

Bedside Ultrasonography Screening for Congenital Renal Anomalies in Children with Congenital Heart Diseases Undergoing Cardiac Repair

[Hussam K. Hamadah](#), Section of Pediatric Cardiac ICU, King Abdulaziz Cardiac Center, King Abdulaziz Medical City, Ministry of National Guard-Health Affairs, Riyadh, Kingdom of Saudi Arabia

Combined Optical Frequency Domain and Ultrasound Imaging: Predicting the Risk of Heart Attack

[Pallavi Doradla](#), Wellman Center for Photomedicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA



Technical Session 4

Medical Imaging and Analysis

Using Histology to Evaluate Micro-CT Findings of Trauma in Three Post-Mortem Samples - A Method Validation

[Mark A. Williams](#), The University of Warwick West Midlands, UK

Relationship between Cough-Associated Changes in CSF Flow and Disease Severity in Chiari I Malformation: An Exploratory Study Using Real-Time MRI

[Abraham Fourie Bezuidenhout](#), Beth Israel Deaconess Medical Center and Harvard Medical School, Boston, MA

Magnetic Resonance Imaging in the Assessment of Necrosis Zones After Superselective Embolization of the Prostatic Arteries. Case Report

[Dariya Dushkova](#), Joint-Stock Company "K+31", Moscow, Russia

Harmonization of CT Scans: Reducing Confounding Factors in Clinical Studies

[Gonzalo Vegas Sanchez-Ferrero](#), Applied Chest Imaging Laboratory, BWH, Harvard Medical School, Boston, MA

Machine Learning for Fetal Well Being Monitoring with Ultrasound Doppler

[Denis KOUAME](#), University of Toulouse III, IRIT, Toulouse France

Hemodynamics of Prefrontal Cortex in Ornithine Transcarbamylase Deficiency: A Twin Case Study

[Afrouz Anderson](#), The Focus Foundation, MD

MRI criteria for Staging Hepatoblastoma According to the Pretext System

[Naala Tarba](#), B.V. Petrovsky National Research Center of Surgery, Moscow, Russia

Magnetic Resonance Scanner Distribution and Accessibility in Nigeria

[Christian Emeka Onwujekwe](#), Radiology Department, National Hospital Abuja, Nigeria

Technical Session 5

Diagnostic Imaging

How Can Ultrasonography Enhance Medical and Physical Therapy Education

[Maureen K. Watkins](#), Department of Physical Therapy, Movement and Rehabilitation Sciences, Northeastern University, Boston, MA

How Can Ultrasonography Enhance Medical and Physical Therapy Education

[Alycia Markowski](#), Department of Physical Therapy, Movement and Rehabilitation Sciences, Northeastern University, Boston, MA

Radiation Dose for Pediatric CT: Comparison of Pediatric Versus Adult Imaging Facilities

[Keith Strauss](#), University of Cincinnati School of Medicine, Cincinnati, OH

Radiographic Stress Analysis to Determine the Proper Coupling Patterns of the Cervical Spine Prior to Intervention

[Curtis Fedorchuk](#), Better Health by Design, Cumming, GA

MR-Venography in The Diagnosis of Post-Thrombotic Iliac Vein Obstruction and Extravascular Compression

[Vladimir Shebryakov](#), Pirogov National Medical & Surgical Center, Moscow, Russia

Impact of Uterine Fibroid Embolization in the Myometrial Contractility

[Vinicius Fornazari](#), Interventional Radiology and Endovascular Surgery São Paulo, Brazil

Ultrasonography Can Pick the Fetal-Nuchal- Cord During 3rd- Trimester of Pregnancy

[Nahida Shah](#), Midwifery Education Program, Aga Khan University Program, Afghanistan

Role of Magnetic Resonance Imaging (MRI) and Magnetic Resonance Venography (MRV) in Case of Cerebral Sinus Venous Thrombosis (CSVT): Case Series Analysis in Rural Area of India

[Priya Singh](#), Resident Radiodiagnosis, New Delhi, India

Evaluation of Digital Radiography from Three Acquisition Systems Applied to Works of Art

[Beatriz Carvalho Rodriguez Barros](#), Imagens Médicas Integradas - Affidea, Lisboa, Portugal

Role of Cerebroplacental Ratio in Prediction of Adverse Perinatal Outcomes in IUGR Pregnancies

[Shriya Ganju](#), Kamla Nehru State Hospital for Mother and Child, Indira Gandhi Medical College, India

Technical Session 6

Cancer Imaging & Nuclear Medicine

Intraoperative Supine Breast MR Imaging

[Eva C. Gombos](#), Department of Radiology, Brigham and Women's Hospital, Boston, MA

Combined Use of PET/CT With 68Ga-PSMA and 11C-Choline in Patients with Prostate Cancer with Biochemical Relapse

[Natalia Neklasova](#), Radiological Department, Russian Research Center for Radiology and Surgical Technologies-A. M. Granov, Russia

Radiation Safety Certification: A Review

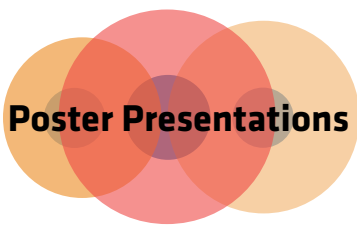
[Cybil Nielsen](#), Department of Radiology and Imaging Sciences, Indiana University School of Medicine, IN

Idiopathic Retroperitoneal Fibrosis and Periaortitis Mimicking a Large Tumor of the Pancreatic Region: An Unusual Ultrasound Finding. Case Report

[Luisa Siciliani](#), Department of III Internal Medicine, IRCCS Fondazione Policlinico San Matteo, Italy

*PET/CT Based Response Assessment Scoring in Radically Treated Head and Neck Squamous Carcinomas

[Trinanjan Basu](#), HCG Cancer Centre, Mumbai, India



Poster Presentations

Multimodal Imaging in Ornithine Transcarbamylase Deficiency Reveals Pathophysiology During Recovery from Hyperammonemia

[Andrea L. Gropman](#), Division of Neurogenetics and Developmental Pediatrics, Children's National Medical Center, DC

A Case of Middle Cerebral Artery Infarction as a Result of Compression of Thrombosed Aneurysm of Atypical Location

[Jung Hoon Han](#), Asan Medical Center, Ulsan University, South Korea

Task State Classification of Four-Dimensional fMRI Time Series Using Deep Residual Convolutional Neural Networks

[Sam Nguyen](#), Lawrence Livermore National Lab, CA

Imaging of Atypical Transitional Cell /Squamous Carcinoma Arising from a Tailgut Duplication Cyst

[Chuong Bui](#), Nuclear Medicine & PET Department, Nepean Hospital, New South Wales, Australia

May-Thurner Syndrome Variant: An Unusual and Overlooked Cause of Deep Vein Thrombosis

[Steven Kanaparthi](#), University of South Florida College of Medicine, Tampa, FL

Thoracic Aortic Pseudoaneurysm Presents as Hemoptysis and Hematemesis

[Laura Ann Le](#), Texas A&M College of Medicine, Temple, Bayshore Medical Center, Pasadena, TX

A Rapid Four-ring MRI Coil Design Optimization Approach for Low Interference and Improved Body Loading Tolerance

[Kelsie Shan](#), Hackley School, Tarrytown, NY

A Familial Case of Spontaneous Regression of Colloid Cyst of the Third Ventricle

[Deepsha Agrawal](#), Institute of Neurological Sciences, Glasgow, United Kingdom

'Malignant' Anomalous Origin of the Right Coronary Artery from the Left Sinus of Valsalva

[Amol K. Gupta](#), Clinical Researcher at the Heart, Vascular and Leg Center in Bakersfield, CA

RSP Injection Technique

[Ziad Tarek Alshafee](#), Royal Swedish Academy for Knowledge Science, Sweden

Automated Multi-Class Detection of Diabetic Retinopathy Using Deep Learning

[Timothy Chen](#), University of Chicago, IL

***Magnetic Resonance and Computed Tomography in Differential Diagnosis of Ectopic Pancreatic Tissue and Retroperitoneal Tumor**

[Petr Kotlyarov](#), Russian Scientific Center of X-ray radiology, Russia

***Case Report: CT and MRI of Internal-Ear Structures Aplasia**

[Leonid Klarov](#), Yakut Republican Hospital, National Center of Medicine, Russia

***The Possibility of CT Angiography in The Diagnosis of Lung Defects in Newborns**

[Elena Lomova](#), Novokuznetsk City Children's Hospital No. 4, Russia

***Band Adhesion Overlying Meckel's Diverticulum: A Rare Case of Small Bowel Obstruction**

[Chi Lap Nicholas Tsang](#), The Wollongong Hospital, Department of Surgery, Wollongong, New South Wales, Australia

***Role of MR Neurography in the Diagnosis of Brachial Plexitis**

[Robin Warner](#), Hospital for Special Surgery, NY

***Sacrococcygeal Teratoma Type III in Female Infants**

[Freedly Tambunan](#), Radiology Department, Faculty of Medicine Padjadjaran University- Hasan Sadikin General Hospital, Indonesia

***We wish to see you
at
MICR-2019, Boston***



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