Biomedical Informatics Grand Rounds
Wednesday, November 16th, 2022 3:00 pm – 4:00 pm

Artificial Intelligence in Radiology: I Have a Dream

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Remote Access
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Meeting ID: 956 1719 7636 Passcode: 924293

In-Person talk-Medical and Research Translation (MART) Building, Room location 7M-0602

Bio: Dr. Ros received his MD and PhD, from the Autonomous University of Barcelona, his native city. He completed his Residency and Fellowship at Mount Sinai Medical Center/University of Miami and obtained a Master of Public Health (Health Care Policy and Management) at the Harvard School of Public Health. Pablo has served as Chief of Gastrointestinal Radiologic Pathology at the Armed Forces Institute of Pathology (AFIP), as Director of the Division of Abdominal Imaging and MRI at the University of Florida, as Professor of Radiology at Harvard Medical School and Executive Vice Chair at the Brigham and Women's Hospital and Chief of Radiology at the Dana Farber Cancer Institute. Dr. Ros became the Theodore J. Castele University Professor and Chairman of the Department of Radiology at Case Western Reserve University in 2009 and Director of the University Hospitals of Cleveland Diagnostics Institute in 2017, combining the Departments of Radiology Pathology and Genetics. Recently, was appointed as Professor and Vice Chair for Academic Affairs at the Department of Radiology at Stony Brook University, where he also serves as Professor of Pathology and Lecturer in the MPH Program. Dr. Ros has served or serves as President, Committee Chair or in the Board of Directors of several Radiological Societies, such as The Radiological Society of North America (RSNA), Association of University Radiologists (AUR), Interamerican College of Radiology (CIR), Society of Gastrointestinal Radiologists (now SAR), American College of Radiology and New England Roentgen Ray Society. He is a Fellow of the American College of Radiology, the Society of Abdominal Radiology, the Society of Computed Body Tomography and MRI and Honorary Fellow of the European Society of Gastrointestinal and Abdominal Radiology. He has received Honorary Memberships for the National Radiological Societies of Switzerland, Belgium, Argentina, France, Mexico, Germany, Cuba, Ecuador and Japan and the Gold Medal of the Spanish Society of Radiology. His over 300 publications and 20 textbooks are primarily in Abdominal and Oncologic Imaging focusing on liver, pancreatic, mesenteric and gastrointestinal cross-sectional imaging with pathologic correlation. Other research areas include Magnetic Resonance Imaging, PET/MRI, Multidetector CT, development of liver specific and oral contrast agents for MRI, CT and PET/CT and Radiology Services Research. He holds eleven editorial positions including former Associate Editor of *Radiology* and Consultant to the Editor in the same journal.

Abstract: Artificial intelligence (AI) has both the potential to substitute radiologists and the potential augment the quality and quantity of work performed by radiologists, AI areas of high radiology impact: pattern recognition, segmentation, quantification and large-volume throughput, Is AI augmenting the value of radiologists for patients and health systems? We discuss these key elements of AI with audience participation.

Educational Objects: Upon completion, participants should be able to:
- To discuss the threats and opportunities of AI in Radiology
- To review the practical clinical applications of AI in diagnostic radiology
- To increase awareness of the potential benefits to Radiology, Medicine and Society of AI

Disclosure Statement: The faculty and planners have no relevant financial relationship with ineligible companies whose primary business is producing, marketing, selling, re-selling, or distributing health care products used by or on patients.

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