

Speakers



Jake van Dyk, Ph.D., FCCPM, FAAPM

Dr. Jake van Dyk is Professor of Oncology, Medical Biophysics, Medical Imaging, and Adjunct Professor of Physics at the University of Western Ontario, London, Ontario, Canada, and Manager (Head) of Physics and Engineering at the London Regional Cancer Program of the London Health Sciences Centre. He has about 38 years of experience in the practical facets of radiation oncology physics with 24 years at the Princess Margaret Hospital (PMH) in Toronto, Canada and 14 years at the London Regional Cancer Program. His research includes multiple aspects of the implementation of modern technology into clinical practice. His recent research addresses outcome optimization and uncertainty propagation in conformal and intensity modulated radiation therapy as well as the assessment of normal tissue response to radiation treatment. He has won various teaching awards. He was elected Fellow of the American Association of Physicists in Medicine in July 1997 for his "contributions to the field of medical physics". He has served as the President of the Canadian College of Physicists in Medicine for four years and participates on the boards and task groups of various professional, national and international organizations. He also participates as a consultant and lecturer for the International Atomic Energy Agency and the World Health Organization.



Adnan Al Hebshi, M.D., FRCPC

Dr. Adnan Al Hebshi is a Consultant Radiation Oncologist in the Section of Radiation Oncology, Oncology Centre at King Faisal Specialist Hospital and Research Centre (KFSH&RC), Riyadh, Saudi Arabia. Dr. Al Hebshi is an assistant professor at Al Faisal University since 2009. His interest is in treatment of CNS tumors and lung cancer. He is responsible for the Stereotactic Radiosurgery program and Cyberknife treatment unit. He received his MBBS degree from King Abdulaziz University Medical College and Allied Science in Jeddah, KSA in 1990. He is board certified by The Royal College of Radiologists – FRCR (UK), by The American Board of Radiology (ABR), and by The Fellowship of Royal College of Physician and Surgeon of Canada – FRCPC. Dr. Al Hebshi served as a resident at Princess Margaret Hospital University of Toronto from 2001 to 2005 and took on a consultant position at KFSH&RC in August 2005. He is an active member of hospital committees such as Performance Improvement (PI) Committee, and Pharmacy and Therapeutic (PT) Committee. Dr. Al Hebshi is also a member of Saudi Oncology Society (SOS), Cyberknife Society, and The American Society of Radiation Oncology (ASTRO).



Wassim Jalbout, Ph.D., DABMP

Dr. Wassim Jalbout is currently a Clinical Medical Physicist at the American University of Beirut Medical Center of the Radiation Oncology Department in Beirut, Lebanon. He earned his M.S. degree in Medical Physics at Wayne State University, Detroit Michigan in 1995 and his Ph.D. Degree in Medical Physics at the University of Surrey, UK in 2005. He was certified by the American Board of Medical Physics, in 1999. He is presently a Medical Physics teaching program director, Regional Consultant for starting new Radiotherapy Centers and IAEA Consultant for Medical Physics improvement project in the Middle East. Dr. Jalbout's main research interests, publications, and presentations involved Linac Photon Spectrum Reconstruction, and Secondary Cancers from Craniospinal Treatments.

Speakers



Paul Keall, Ph.D., FAAPM

Dr. Paul Keall is currently a Professor at the University of Sydney and Director of the Radiation Physics Laboratory. His work is broadly supported by the NHMRC Australia Fellowship Innovations in Medical Physics to Improve Human Health with additional funding supporting individual projects. Previously Dr. Keall was an Associate Professor and Director of the Radiation Physics Division of the Radiation Oncology Department at Stanford University. Dr. Keall earned his M.S. and Ph.D. degrees at the University of Adelaide in Australia and his B.S. degree at the University of Waikato in New Zealand. Dr. Keall's main scientific interests involve image guided radiation therapy and accounting for anatomic and physiologic changes in healthy and pathologic tissue throughout a radiation treatment course. Additional areas of investigation include ventilation imaging, audiovisual biofeedback, compact plasma proton accelerators and MRI and PET-guided linear accelerators. These research activities have resulted in over 130 scientific articles and several awards and honors. He has developed new methods for medical imaging and image guided radiation therapy. He is an editorial board member for several journals in the radiation oncology field and participates in professional activities and committees of the American Association of Physicists in Medicine and the American Society for Radiation Oncology.



Belal Moftah, Ph.D., FCCPM

Dr. Belal Moftah is the Chairman of the Biomedical Physics Department, King Faisal Specialist Hospital and Research Centre (KFSH&RC), Riyadh, Saudi Arabia. He received his Ph.D. degree from the University of British Columbia, in 1996 and completed his residency training program at McGill University, in 1999. He is board certified in Radiotherapy Physics by the Canadian College of Physicists in Medicine and is a fellow of the same College. Dr Moftah served as Clinical Physicist at the Department of Medical Physics, McGill University Health Centre from 1998 to 2001. In July 2001, Dr. Moftah took on a senior medical physicist position at KFSH&RC in Jeddah where he established the Medical Physics Department and became its first Chairman in February 2004. Dr. Moftah moved to the main KFSH&RC campus in Riyadh and became the Chairman of the Department of Biomedical Physics in September 2005. Dr. Moftah focus has been on setting up medical physics and radiotherapy services as well as the development of state-of-the-art radiotherapy techniques. Dr. Moftah was selected as one of five eminent experts to serve on the IAEA Independent Panel of Experts on Human Health for the Comparative Assessment of Nuclear Technology. He is Counterpart for several IAEA Technical Cooperation projects as well as the Chairman of the IAEA ARASIA Clinical Residency Training Working Group. Dr. Moftah served as Chairman of major international conferences and workshops, the last of which was the International Conference on Radiation Medicine, www.radmed.org.



Jatinder Palta, Ph.D., FAAPM

Dr. Jatinder Palta was the Chief of the Division of Physics from 1993 until 2009. His research interests are in the development and implementation of new methods of radiation delivery and analyses of treatment planning and delivery uncertainties. He is the author or co-author of more than 100 peer-reviewed scientific papers, three books, as well as multiple contributions to proceedings and chapters in technical books. He served as the Co-Director of the ASTRO IMRT Practicum from 2003-2006 and IGRT Symposium from 2006-2008. He has been active in the establishment of clinical and QA guidelines for the implementation of IMRT and IGRT through ASTRO, AAPM, and IAEA. In addition, he initiated a federally funded research program that has distinguished the University of Florida as the leading group in Radiation Oncology medical informatics and advanced electronic archive and retrieval of radiotherapy data. He established the Resource Center for Emerging Technologies (RCET) in 1998 as a center to support clinical trial group web-based electronic data collection and quality assurance. Professor Palta has garnered over US\$7 million in federal and state research funding as a Principal Investigator (PI) in the last 10 years. Dr. Palta has served both the AAPM and ASTRO in various leadership roles. He is presently the Chair of Research Council and Member of the ASTRO Board of Directors. He also serves as a permanent member of the National Institutes of Health (NIH) Radiation Therapeutics and Biology Study Section.

Speakers



M. Gary Sayed Ph.D., FACNM

Dr. Gary Sayed is the director of Molecular and Functional Imaging Group at the King Faisal Specialist Hospital & Research Centre and Professor of Radiology at Alfaisal University College of Medicine. He is also a clinical professor of diagnostic imaging at Thomas Jefferson University in Philadelphia, Pennsylvania. Dr. Sayed earned his first doctoral degree in radiological sciences at the Medical College of Ohio at Toledo. He earned his second doctoral degree in higher education management at the University of Pennsylvania Graduate School of Education. Dr. Sayed is certified by the American Board of Science in Nuclear Medicine. In 1996, he was the recipient of the senior Fulbright Scholar award in radiology and in 2001 he was honored as a Distinguished Fellow of the American College of Nuclear Medicine. Dr. Sayed is a current director and past-president of the American Board of Science in Nuclear Medicine. He also served as president of the nuclear medicine instrumentation council. His 22 years of academic career includes service as program director, chairman, dean and provost all at major academic medical and health sciences universities in the United States.



Mohammad Al-Shabanah, M.D., FRCPC

Dr. Mohammad Al-Shabanah is presently a Consultant of Radiation Oncology at King Faisal Specialist Hospital & Research Centre, Riyadh, Saudi Arabia. He obtained Specialist Certificate in Radiation Oncology from the Royal College of Physicians and Surgeons of Canada, in 1997. He was appointed as Head of Radiation Oncology at KFSH&RC in 2002. Under his leadership KFSH&RC radiotherapy services have witnessed remarkable progress in introducing and implementing new technologies such as IMRT, Cyberknife, RapidArc, and Tomotherapy all utilizing IGRT. He has contributed to 19 publications and over 20 presentations and abstracts. Dr. Al-Shabanah is a member of the Canadian Association of Radiation Oncology, and the American Society for Therapeutic Radiology and Oncology (ASTRO).



Paula Yates, RT(T), CMD

Paula Yates is a Senior Medical Dosimetrist in the Biomedical Physics Department at King Faisal Specialist Hospital and Research Centre (KFSH&RC), Riyadh, Saudi Arabia. She graduated as a Radiation Therapist in 1997 and worked as such in Wellington and Dunedin, New Zealand and in Fraser Valley Cancer Center in British Columbia, Canada. Her experience as a radiation therapist included specific interest in medical dosimetry which culminated in her becoming the Lead Dosimetrist while helping in the set up of Al Amal Hospital in Doha, Qatar in 2003. This was the first Radiation Therapy Clinic in Qatar. Paula attained her Certified Medical Dosimetrist (CMD) qualification from the American Medical Dosimetry Certification Board (MDCB) in 2006. She is a member of the KFSH&RC Radiation Physics team involved in implementing the forward-planned 3-D breast treatment technique as well as taking leading roles in IMRT, RapidArc and Tomotherapy planning. Paula supervises, along with other senior dosimetrists, the training of medical physics colleagues and visiting physicists/dosimetrists in clinical dosimetry.

