
بسم الله الرحمن الرحيم

MESSAGE

Dear Colleagues,

Building on the celebrated success of the ICRM2010, the King Faisal Specialist Hospital and Research Centre will conduct the International Conference on Radiation Medicine (ICRM2012) at its campus in Riyadh, Saudi Arabia, from 27 February - 01 March 2012.

We invite you to attend the ICRM2012! It will offer a series of diverse continuing education courses and workshops in the applications of radiation in medicine. The program activities shall be led by experts and distinguished speakers from different leading institutions worldwide. Our prospective audience includes physicians, medical physicists, clinical scientists, technologists and other healthcare professionals.

This event aims to provide participants working in radiation medicine with a venue in maintaining cutting-edge knowledge and skills in their fields including radiation oncology, radiology, nuclear medicine, nuclear cardiology, radiobiology, medical physics and radiation protection and other related disciplines. More importantly, ICRM2012 aims to promote radiation medicine, its practice and advancement in the region.

The ICRM2012 will also include scientific exhibition, where leading companies will display state-of-the-art products that have found clinical acceptance with particular relevance to the delivery of quality patient care.

There will also be a number of social events during the Conference. Such events include: gala dinners; visits to famous landmarks and historical sites; and opportunities to see the traditional way of life in Riyadh.

Please visit our website at: www.radmed.org for more information and updates about the Conference.

On behalf of the Organizing Committee, we look forward to seeing you at the Conference and wish you a pleasant stay in Riyadh!

With best regards.

Sincerely,

Belal Moftah, PhD, FCCPM
Chairman, ICRM2012 Organizing Committee
Chairman, Biomedical Physics Department

Mohammad Al-Shabanah, MD
Co-Chairman, ICRM2012 Organizing Committee
Head, Radiation Oncology

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ABOUT ICRM2012

The biennial International Conference on Radiation Medicine (ICRM2012). ICRM2012 is part of our continuing initiative in enhancing the development of medical and healthcare professionals with a focus on the applications of radiation in medicine, including medical physics, radiation oncology, radiology, radiation protection, nuclear medicine, nuclear cardiology and radiobiology. Our ultimate goal is to support our collegues in providing safe and quality patient care.

ICRM promotes improvements in healthcare and advances the dissemination and development of knowledge in the region.

The King Faisal Specialist Hospital and Research Centre (KFSH&RC), in collaboration with the International Atomic Energy Agency (IAEA), leading national and international institutions and professional societies, will host the "International Conference on Radiation Medicine (ICRM2012)" at its campus in Riyadh, Saudi Arabia, from 27 February - 01 March 2012.

To provide a more comprehensive scientific program and to enhance the quality of its content ICRM 2010 formed partnerships with the salient professional organizations in the world. Thus, ICRM2012 has officially been endorsed by the following national and international professional organizations:

- The American Association of Physicist in Medicine (AAPM)
- American Society for Radiation Oncology (ASTRO)
- European Society for Therapeutic Radiology and Oncology (ESTRO)
- European Association of Nuclear Medicine (EANM)
- International Atomic Energy Agency (IAEA)
- National Institute of Radiological Sciences (NIRS)
- Radiological Society of Saudi Arabia (RSSA)
- Saudi Cancer Society (SCS)
- Saudi Food and Drug (SFDA)
- Saudi Oncology Society (SOS)
- Saudi Society of Medical Radiologic Technology
- World Federation of Nuclear Medicine and Biology (WFNMB)
- World Health Organization (WHO)

CONFERENCE OBJECTIVES

This four-day meeting will provide a medium to share, discuss and disseminate innovative approaches, techniques, applications and best clinical practices, as well as educate healthcare professional about the state-of-art technology pertaining to the use of radiation in medicine including, but not limited to, radiation oncology, diagnostic imaging, radiobiology and radiation protection.

CONTACT INFORMATION

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WHO SHOULD ATTEND

Cardiologists	Radiation Oncologists
Clinical Scientists	Radiation Therapists
Dosimetrists	Radiobiologists
Engineers	Radiologists
Medical/Health Physicists	Nuclear Medicine Physicians
Neurosurgeons	Radiology Technologists
Nurses	Students
Physicians	Vendor Representatives

WORKSHOP SUMMARY

1. IAEA LDR/HDR Brachytherapy
2. Introduction to Radiation Medicine
3. IMRT/IGRT: Tomotherapy
4. IMRT/IGRT: Rapidarc
5. Stereotactic Radiosurgery: Cyberknife
6. Radiography - Updates and Trends
7. PET/CT application in treatment planning
8. PET/CT QC/QA
9. Radiobiology and Radiation Safety

REGISTRATION

To register for the conference, please compete the Registration Form and send it by fax or email to the indicated mailing address in the form. (Special rates for Students: SR100 for Conference; Early registration fee is SR 400 (for three days) and SR150 (for one day), if registration form is received on or before 14 February 2012. Late registration fee is SR 500 (for three days) and SR200 (for one day only) if received any time after 14 February 2012 date. Late/on-site registration fees are to be paid on-site on 26 February 2012 during the course registration period between 7:00 and 8:00 AM. Early registration fees are to be paid in full with submission of early registration form. Each workshop has a SR 150 registration fee, and admission is given priority to early registration participants. Late workshop registration will only be possible if seating is available (note that there is a limited workshop occupancy limit). Payments can be made in cash or certified cheque payable to "KFSH&RC Research Grant Fund". Interested attendees are urged to early register so that conference seating is guaranteed and workshop

50% Discount for students.

CME CREDIT APPLICATIONS

A total of thirty (30) CME credit hours have been submitted by the Saudi Commission for Health Specialties (SCHS). Credit hour submission has also been made to the American Academy of Continuing Medical Education (AACME) and the total CME accreditation will be announced during the meeting.

CERTIFICATE OF ATTENDANCE

Certificate of attendance will be available on the 4th day of the meeting only. Please collect your certificate from the registration desk just in front of the Prince Salman Auditorium before you leave.

SMOKING POLICY

The King Faisal Specialist Hospital & Research Centre recognizes the negative implications of smoking. Therefore, our policy is "No Smoking" in the auditorium, exhibition and registration areas, dining hall and restrooms.

HOSPITAL LIMOUSINE

A hospital limousine service is available upon request at hospital telephone extension 35555 for reasonable rates.

MOBILE PHONE POLICY

Mobile phones and pagers must be turned off or set on silent/vibrate mode during the meeting sessions.

KINGDOM OF SAUDI ARABIA
SAUDI FOOD & DRUG AUTHORITY

The Saudi Food and Drug Authority (SFDA) was established under the Council of Ministers resolution no (1) dated 07/01/1424 H, as an independent body corporate that directly reports to the Premier. The Authority objective is to ensure safety of food and drug for man and animal, and safety of biological and chemical substance as well as electronic products.

A Board of Directors chaired by HRH the Second Deputy Premier and Minister of Defense, Aviation and Inspector General, will managed the Authority. Its membership includes HRH Minster of Municipality and Rural Affairs as vice-chairman, and all pertinent ministers (HRH Minister of Interior, Minister of Health, Minister of Commerce and Industry, Minster of Agriculture, Minister of Water and Electricity, Minister of Finance and Minister of Economic and Planning). As well as, the Director General of Saudi Arabian Standards and Specification Organization, the Chairperson of Council of Chambers of Commerce and Industry in the Kingdom, the Authority's Executive Chief, and a person specialize in food and drug.

Vision
To be the leading regional regulatory authority for food, drugs and medical devices with professional and excellent services that contributes to the protection and advancement of the health in Saudi Arabia.

Mission
To ensure the safety of food; the safety, quality and efficacy of drugs; and the safety and effectiveness of medical devices, by developing and enforcing an appropriate regulatory system.

Authority's Main Objectives
The main purpose of the SFDA establishment is to regulate, oversee, and control food, drug, medical devices, as well as to set mandatory standard specifications thereof, whether they are imported or locally manufactured. The control and/or testing activities can be conducted in the SFDA or other agency's laboratories. Moreover, the SFDA is in charge of consumers' awareness on all matters related to food, drug and medical devices and all other products and supplies.

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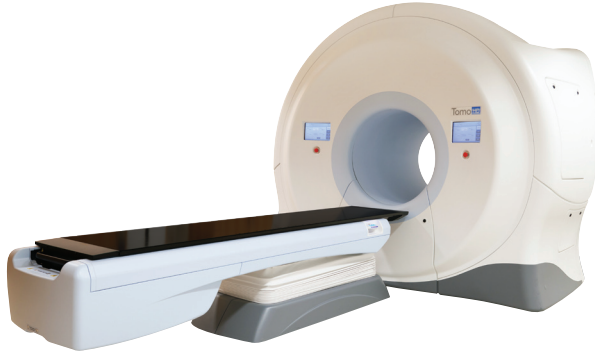
ACCURAY®

ADVANCING RADIATION ONCOLOGY TOGETHER



TOMOTHERAPY SYSTEM®

INTENSITY MODULATED RADIATION THERAPY TREATMENT, AS UNIQUE AS EVERY PATIENT

- Daily 3D image guidance (IGRT)
- Treat a broader range of tumors using a unique helical technique
- Deliver the highest quality individualized treatment to meet each patient's needs

CYBERKNIFE SYSTEM®

PERSONALIZE EVERY RADIOSURGERY TREATMENT, FOR EVERY PATIENT

- Non-invasive SRS and SBRT anywhere in the body
- Track and automatically correct for tumor motion during treatment
- Deliver high doses of radiation with extreme accuracy

CARL ZEISS MEDITEC

INTRABEAM® TARGIT® Therapy System

Over the years, diagnostic and therapeutic interventions have developed into more patient-focused, individualized, less invasive techniques. A perfect example of this paradigm shift is the **INTRABEAM** system produced by **Carl Zeiss**. This revolution in Radiotherapy comprises many advantages and affords a new dimension of flexibility.

- Efficient local tumor control
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- Improved patient convenience
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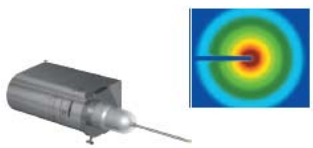
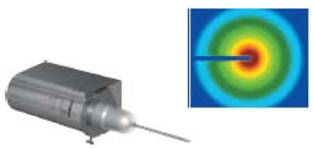
- Optimized system

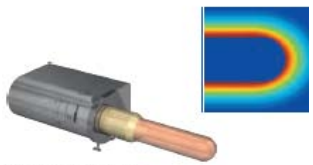
Effective Internal Radiation

"Go where the tumor is" is the philosophy that impels INTRABEAMR. The sterile INTRABEAMR applicator can be positioned directly into the tumor bed, allocating the precise radiation dose exactly where it is needed most. Radiotherapy delivery with the INTRABEAMR system stands for highly effective radiation with low doses. This approach is possible because the INTRABEAMR X-ray source generates low energy X-rays characterized by high relative biological effectiveness (RBE) allowing superior tumor-cell killing.

The Intra-Operative treatment with INTRABEAM shortens the duration of treatment and requires less working time on the part of physicists, physicians, and technicians, resulting in superior cost effectiveness.


Cerebral metastases


Spinal metastases


Endometrial cancer


Oral cancer


Gastrointestinal cancer


Skin cancer

شركة الخليج الطبية المحدودة

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John Gueulette	Universite Catholique de Louvain (Belgium)
Tagea Hamidudeen	King Faisal Specialist Hospital & Research Centre (Riyadh)
Najla Al-Harbi	King Faisal Specialist Hospital & Research Centre (Riyadh)
Osama Hassad	King Faisal Specialist Hospital & Research Centre (Riyadh)
Zeinab Hassan	King Faisal Specialist Hospital & Research Centre (Riyadh)
Adnan Al-Hebshi	King Faisal Specialist Hospital & Research Centre (Riyadh)
M. Abrar Hussain	King Faisal Specialist Hospital & Research Centre (Riyadh)
Abdullah Al-kafi	King Faisal Specialist Hospital & Research Centre (Riyadh)
Imadduddin Kanaan	King Faisal Specialist Hospital & Research Centre (Riyadh)
Ehab Khalil	King Faisal Specialist Hospital & Research Centre (Riyadh)
Celestino Legarde	King Faisal Specialist Hospital & Research Centre (Riyadh)
Rana Mahmood	King Faisal Specialist Hospital & Research Centre (Riyadh)
Fareed Mahyoub	King Faisal Specialist Hospital & Research Centre (Riyadh)
Fatimah Al-Marhoun	King Faisal Specialist Hospital & Research Centre (Riyadh)
Ahamad Masawi	King Faisal Specialist Hospital & Research Centre (Riyadh)
Osama Mawlawi	The University of Texas MD Anderson Cancer Center (USA)
Eman Meghad	King Faisal Specialist Hospital & Research Centre (Riyadh)
Connie Ming	King Faisal Specialist Hospital & Research Centre (Riyadh)
Belal Moftah	King Faisal Specialist Hospital & Research Centre (Riyadh)
Huda Al-Mohammed	King Faisal Specialist Hospital & Research Centre (Riyadh)
Manal Mustafa	King Faisal Specialist Hospital & Research Centre (Riyadh)
Umar Maganda Mwidu	King Faisal Specialist Hospital & Research Centre (Riyadh)
Ghadeer Nazer	King Faisal Specialist Hospital & Research Centre (Riyadh)
Ahmed Nobah	King Faisal Specialist Hospital & Research Centre (Riyadh)

Ruchana Parker	King Faisal Specialist Hospital & Research Centre (Riyadh)
Sameha Pickford	King Faisal Specialist Hospital & Research Centre (Riyadh)
Joe Poon	King Faisal Specialist Hospital & Research Centre (Riyadh)
Nasser Al-Rajhi	King Faisal Specialist Hospital & Research Centre (Riyadh)
Mohammed Al-Rowaily	King Faisal Specialist Hospital & Research Centre (Riyadh)
Wedyan Safar	King Faisal Specialist Hospital & Research Centre (Riyadh)
M. Gary Sayed	King Faisal Specialist Hospital & Research Centre (Riyadh)
Ghazi Alsbeih	King Faisal Specialist Hospital & Research Centre (Riyadh)
Hind Al-Selham	King Faisal Specialist Hospital & Research Centre (Riyadh)
Khalled Alshalali	King Faisal Specialist Hospital & Research Centre (Riyadh)
Salih Shaleya	King Faisal Specialist Hospital & Research Centre (Riyadh)
Mamoun Shehadah	King Faisal Specialist Hospital & Research Centre (Riyadh)
Mona Al-Turaiki	King Faisal Specialist Hospital & Research Centre (Riyadh)
Amr Mousa Taha	King Faisal Specialist Hospital & Research Centre (Riyadh)
Francis Tse	King Faisal Specialist Hospital & Research Centre (Riyadh)
Lorcel Ericka Venturina	King Faisal Specialist Hospital & Research Centre (Riyadh)
Paula Yates	King Faisal Specialist Hospital & Research Centre (Riyadh)

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HANI ABDEL-NABI, MD, PHD

Dr Abdel-Nabi earned his medical diploma from Alexandria University where he completed a residency in radiotherapy and nuclear medicine, earning a Master's Degree in the same field with emphasis on thyroid diseases.

Dr Abdel-Nabi was awarded a Fulbright scholarship to pursue advanced research at Ohio State University in Columbus, Ohio. He earned a PhD in Radiation Biology focusing on the effect of ionizing radiation of I-131 and I-125 on the thyroid gland by measuring single strand DNA damage and repairs. He also completed a residency and fellowship in Nuclear Medicine.

While at Ohio State, he had an opportunity to get involved in pre-clinical trials with radiolabeled antibodies and hand held gamma –probes, as well as clinical trials using dual labeled antibodies cocktails. Dr Abdel-Nabi continued his research with antibody conjugate for diagnosis and therapy for more than 3 decades.

Dr Abdel-Nabi became Professor of Nuclear Medicine at the State of New York University at Buffalo in 1990, where he served as Chairman of the Department from 2000 to 2010.

Dr Abdel-Nabi supervised various research projects by junior faculty and authored over 150 manuscripts and abstracts including radiolabeled antibodies, Positron Emission Tomography with novel tracers such as C-11 choline, Iodine -124, C-11 PIB, and I-124 taxol as well as clinical studies with FDG PET, and PET/CT.

Dr Abdel-Nabi has been a reviewer for scientific journals, grant reviewer for national agencies and has been a member of the American Society of Nuclear Medicine since 1981.

WALTER CURRAN JR., MD

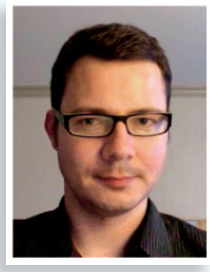
Walter J. Curran was appointed Executive Director of Winship Cancer Institute in September, 2009. He joined Emory in January, 2008, as the Lawrence W. Davis Chair of Radiation Oncology and Chief Medical Officer of Winship Cancer Institute.

Prior to joining Emory, Dr. Curran was Chairman of Radiation Oncology at Thomas Jefferson University in Philadelphia, Pennsylvania. He currently serves as Group Chairman and Principal Investigator of the Radiation Therapy Oncology Group (RTOG), a National Cancer Institute-funded cooperative group, a position he has held since 1997.

Dr. Curran, who is a Georgia Cancer Coalition Distinguished Scholar, has been a principal investigator on several National Cancer Institute grants and is considered an international expert in the management of patients with locally advanced lung cancer and malignant brain tumors. He has led several landmark clinical and translational trials in both areas and is responsible for defining a universally adopted staging system for patients with malignant glioma. He has authored or co-authored more than four hundred abstracts and scholarly papers, as well as numerous presentations, reviews and book chapters. He has been chairman or co-chairman of more than 40 clinical trials and a reviewer for twelve national/international journals. He serves as the Founding Secretary/Treasurer of the Coalition of Cancer Cooperative Groups and a Board Member of the Georgia Center for Oncology Research and Education (GA CORE). Dr. Curran is the only radiation oncologist to serve as Director of a National Cancer Institute Designated Cancer Center.

Dr. Curran is a Fellow in the American College of Radiology and has been awarded honorary memberships in the European Society of Therapeutic Radiology and Oncology and the Canadian Association of Radiation Oncology. In 2006, he was named the leading radiation oncologist/cancer researcher in a peer survey by the journal Medical Imaging. Under Dr. Curran's leadership Emory's Radiation Oncology Department has been recently selected as a "Top Five Radiation Therapy Centers to Watch in 2009" by Imaging Technology News. This review recognizes the most forward-thinking, U.S.-based cancer treatment centers, which have adopted advanced technology to optimize treatment and make a difference in patient care.

Dr. Curran graduated cum laude from Dartmouth College, received his MD degree from the Medical College of Georgia and is a Board Certified Radiation Oncologist. Curran completed his residency in the Department of Radiation Therapy at the University of Pennsylvania Medical Center and his internship in internal medicine at Presbyterian University of Pennsylvania Medical Center in Philadelphia.Chief Medical Officer, Emory Winship Cancer Institute.



TOM DEPUYDT, PHD

Since 2009, ir. Tom Depuydt is a certified medical physicist at the University Hospital of Brussels and is affiliated as a researcher to the Medical Imaging and Physical Science group of the Free University of Brussels, Faculty of Medicine. Currently he is involved in a research project supported by the Flemish government through the Hercules foundation to investigate new techniques for radiation therapy of moving tumors.

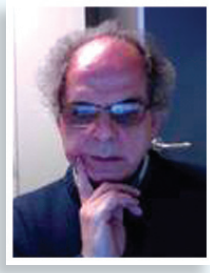
He holds a master degree in electrical engineering and a master degree in biomedical engineering and medical physics from the University of Leuven, and has worked as a medical physicist at the University Hospital of Leuven from 2004 until 2009. Currently ,as a researcher and teaching assistant of Professor Dirk Verellen, he is preparing a PhD thesis on the subject of real-time tumor tracking techniques. He is also engaged as a lecturer in teaching courses of the European Society for Radiotherapy and Oncology.

SLOBODAN DEVIC, PHD

Dr. Devic obtained his M.Sc. degree in non-ideal plasma physics and his Ph.D. degree in Solid State Physics in 1997 at the University of Belgrade, Serbia. He moved to the USA in 1998 where he worked as a Research Associate in Radiation Oncology Physics at the Mallinckrodt Institute of Radiology, St. Louis, Missouri.

Subsequently, he moved in 2000 to the Montreal General Hospital and McGill University where he was enrolled into the Medical Physics Residency program.

Upon finishing his residency in 2002 he joined the Medical Physics Unit at the McGill University and, in 2008, he moved to his current position at the SMBD Jewish General Hospital in Montreal. He is a Fellow of the Canadian College of Physicists in Medicine and his major research interests are radiochromic film dosimetry and its applications, image guided brachytherapy with particular interest in pre-operative endorectal brachytherapy, and the incorporation of the functional imaging information into radiotherapy treatment planning process. Dr. Devic is also teaching Physics in Nuclear Medicine course at the McGill University and as of 2009 he became a member of the Editorial board of the Medical Physics journal.



JOHN GUEULETT, PHD

After his master degree in Nuclear Physics and Radioprotection at the Université catholique de Louvain (Belgium), John Gueulette got his Ph.D. degree at the Université Paul Sabatier (Toulouse, France) in the department of Atomic Physics. His thesis on the "Relative Biological Effectiveness (RBE) of fast neutrons" oriented his researcher career towards radiobiology, especially towards the study of the biological effects of clinical hadron beams (fast and epithermal neutrons, protons and carbon ions).

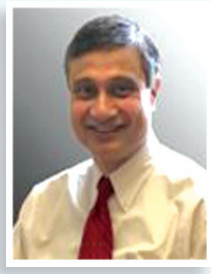
During these last 25 years, he visited the majority of the hadron facilities worldwide where he performed different types of radiobiological experiments (e.g., RBE/LET, influence of dose fractionation, OER, etc.) that led to the development of a procedure for the radiobiological calibration / intercomparison of clinical hadron beams. The latter, based on intestinal crypt regeneration in mice after irradiation in a single fraction is nowadays recognized as a standard.

Besides of his teaching at the university, John Gueulette is a member of different international scientific committees promoting hadron therapy and radiobiological research in the field of high-LET radiations. He is the author of more than 50 peer-reviewed papers on pre-therapeutical and pre-clinical radiobiology researches and contributed to several books summarizing the problematic of radiation therapy with hadrons.

LEONARD GUNDERSON, MD

Dr Leonard Gunderson received his Bachelor of Science degree at Montana State University (1960-64, Bozeman, MT, USA) and Master of Science in Anatomy at the University of North Dakota (1964-66, Grand Forks, ND, USA). He received his M.D. degree at the University of Kentucky (1966-69, Lexington, KY) prior to completing a straight surgery internship at the University of Utah (1969-70, Salt Lake City, UT). His residency in Radiation Oncology was completed at LDS Hospital/Univ Utah (1970-74; Salt Lake City) with subsequent staff positions at LDS Hospital, Massachusetts General Hospital(MGH)/Harvard Medical School (1976-80) and Mayo Clinic (1980-2009).

Dr. Gunderson is the current Chair of the ASTRO Board of Directors, Vice-Chair for the AJCC Staging Hindgut Task Force and Emeritus Professor & Consultant, Radiation Oncology Department, Mayo Clinic Arizona. Dr Gunderson served in leadership positions at both Mayo Clinic in Rochester Minnesota (Chair, Radiation Oncology, 1989-96; Chair of Oncology, 1996-2001) and Mayo Clinic Arizona (Chair, Radiation Oncology, 2001-07; Deputy Director of Clinical Affairs, Mayo Clinic Cancer Center, AZ, 2001-09). He also served in Radiation Therapy Oncology Group leadership (Chair, Gastrointestinal Cancer Committee, 1987-94; Vice-Chair, Disease Sites, 1994-2001).



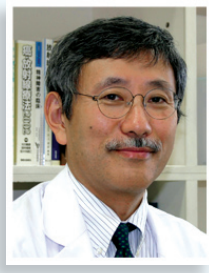
MOHAMMED SAIFUL HUQ, PHD

M. Saiful Huq received his PhD degree from the College of William and Mary in Virginia, USA, in 1984. After completing a Post Doctoral Fellowship in Medical Physics at Yale University in 1990, he joined the faculty at Jefferson Medical College of Thomas Jefferson University and Thomas Jefferson University Hospital in Philadelphia, where he stayed for 14 years. He is currently a Professor of Radiation Oncology at the University of Pittsburgh School of Medicine and University of Pittsburgh Cancer Institute and the Director of the Medical Physics Division in the Department of Radiation Oncology at UPMC Cancer Centers, where he is responsible for the development of scientific activities of a large group of physicists and management of clinical medical physics operations of 21 cancer centers in Western Pennsylvania. He is certified by the American Board of Radiology in Therapeutic Radiological Physics and has published over 92 manuscripts in peer reviewed journals.

Dr. Huq has served in many capacities in various national and international organizations. He is a Fellow of both the British Institute of Physics and the American Association of Physicists in Medicine (AAPM) and is a recipient of AAPM's Farrington Daniels Award. He is past president of the AAPM Delaware Valley Chapter and is currently a member of the AAPM Science Council, Vice Chair of the AAPM Therapy Physics Committee, and Chair of the AAPM Task Group 100. He has served on numerous AAPM Task Groups, notably TG51. Dr. Huq has also served as an expert on many IAEA initiatives, developing various documents which provide guidance to the world-wide radiotherapy community regarding various aspects of cancer therapy using external beam radiation. He is a co-author of the IAEA TRS398 Code of Practice and will be giving a continuing education course at this conference on this Code of Practice.

WASSIM JALBOUT, PHD

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.



TADASHI KAMADA, MD, PHD

Dr. Kamada received a Ph.D. from Hokkaido University for his study on radiotherapy of bile duct cancer in 1996. He has had 31 years of experience in clinical research on radiation oncology, including 17 years of experience in carbon ion radiotherapy at NIRS. He had been Director of the Particle therapy research group from 2006 to 2008 and Diagnosis and treatment advancement research group from 2006 to 2011. He has been Director of Research Center for Charged Particle Therapy, since 2008, and also the visiting professor of the national universities, such as Gunma, Hokkaido, Chiba, and Niigata University.

OSAMA MAWLAWI, PHD

Dr. Mawlawi is a Professor of imaging Physics and is the lead PET/CT physicist at MD Anderson Cancer Center (MDACC). Dr. Mawlawi started his career as a Medical Physicist at Memorial Sloan Kettering Cancer Center in New York where he worked as a research assistant from 1990-1998. He later moved to Columbia University School of Physicians and Surgeons where he worked as an Assistant Professor from 1998-2001. Dr. Mawlawi's has extensive expertise in PET/CT imaging of biomarkers and in Phase I/II clinical trials. His primary interest focuses on investigating factors affecting absolute quantification of PET/CT images. His ongoing research is aimed at developing novel techniques for PET/CT image acquisition, correction and reformation. Dr. Mawlawi has co-authored over 80 peer reviewed articles and book chapters and is the recipient of several grants from industry and professional societies. Dr. Mawlawi is a consultant for the IAEA and is an active member of several professional societies such as the SNM, AAPM, IEEE, and ACR. He is also the chair of the AAPM TG126 on PET/CT acceptance testing and QA. Dr. Mawlawi is board certified in Nuclear Medicine by the ABSNM as well as in Diagnostic Radiologic Physics by the ABR. He is currently the president of the American Board of Science in Nuclear Medicine.

AHMED MEGZIFENE, PHD

Ahmed Meghzifene was born in Algeria in 1954. After a graduate degree in engineering in 1981, he entered the field of radiation dosimetry and obtained his PhD in 1989. He was a awarded a post-doc research grant and worked as a research fellow at the French Henri Becquerel Laboratory (1989) and the Canadian National Research Council (1991) dosimetry laboratory. He has experience in both clinical radiotherapy physics and also in standardization at the level of primary and secondary standards laboratories. After an extensive involvement in the establishment of dosimetry and medical physics infrastructure in his home country, he joined the International Atomic Energy Agency (IAEA) in 1997 as a radiation physicist and in charge of the IAEA/WHO Network Secondary Standards Dosimetry Laboratories (SSDLs). In 2007, he was appointed Section Head of the Dosimetry & Medical Radiation Physics Section of the IAEA and also co-secretary of the IAEA/WHO Network of SSDLs. During the past 15 years, his profile has a dominant component of international activities, co-authoring publications and reports on radiotherapy physics and dosimetry. In the recent years, he has developed a special interest and commitment to promote the medical physics profession and support education and clinical training activities in IAEA Member States. He has published over 20 papers, 2 book chapters and delivered numerous key note talks at international conferences.

DAUD MOHAMAD, PHD

Daud Mohamad was appointed Deputy Director General for Nuclear Sciences and Applications, effective 1 January 2011. Prior to joining IAEA Director General Amano´s senior management team, Mr. Daud held the position of Director General of the Malaysian Nuclear Agency (Nuclear Malaysia) since September 2004. He had joined Nuclear Malaysia in 1978 and was one of the pioneer staff of the organization.

From 2008 to 2010, Mr. Daud served on the IAEA´s Standing Advisory Group on Nuclear Applications (SAGNA), and from 2001 to 2010 on the Steering Committee on Training and Education in Radiation Protection and Waste Safety. He had taken up many expert missions to a number of Member States on self-reliance and sustainability programme of nuclear institutions in Asia and the Pacific under the framework of the IAEA.

Mr. Daud has been actively involved with non-governmental organizations in the field as the President of Malaysia Radiation Protection Association (MARPA) and the Malaysian Association of Research Scientist (MARS).

Mr. Daud holds a Bachelor of Science degree from the Universiti Kebangsaan in Malaysia, a Master of Science degree from the McMaster University in Canada, and a PhD in High Level Radioactive Waste Management from the University of Glasgow/Scottish Universities Research Reactor Centre in the UK. He has published more than 70 technical papers and was Chief Editor for the book entitled Nuclear Science and Technology.

SHINICHIRO MORI, PHD

Dr. Mori received his bachelor's degree from the Faculty of medicine, Osaka University for his study on Allied health sciences in 2000. After completing the master's programs there in 2002, he worked for NIRS, and he received a Ph.D. from Osaka University for his study on medicine in 2006. In 2007, he became a researcher of Medical physics research group, Research center for charged particle therapy at NIRS, which developed a compact accelerator facility for carbon ion therapy. Since 2011 he has been Team leader of Image Guided Radiotherapy Team.

KOJI NODA, PHD

Dr. Koji Noda received his bachelor's degree from the Department of nuclear engineering, Kyushu University in 1979. After completing the master's programs there in 1981, he worked for the development of a PET cyclotron from 1981 to 1989, and he also studied the accelerator physics from 1985 to 1989 in the Institute for nuclear study, University of Tokyo. In 1989, he joined the HIMAC project at NIRS, and he was engaged in construction and development of the HIMAC synchrotron. He received his Ph.D. in 1992 from Kyushu University for the study of energy-loss cooling. From 2006 to 2011 he was also Director of Medical physics research group, which developed a compact accelerator facility for carbon ion therapy and contributed to a next-generation irradiation system at NIRS.

FRIDTJOF NÜESSLIN, PHD

Dr Nusslin has successfully completed his studies in the field of Physics and Physiology at the University of Tubingen and University of Heidelberg, respectively. He received his post doctorate degree at Max-Planck-Institute for Nuclear Physics in Heidelberg and has served as Assistant Medical Physicist in the Radiotherapy Department at Medizinische Hochschule Hannover, Senior Medical Physicist at the Clinic for Radiooncology in Nord-West-Krankenhaus Frankfurt/Main. He also became a Full Professor and Chair Section Medical Physics in Radiotherap Department at the University Hospital Tubingen and Biomedical Physics Professor since 2004 in the Clinic for Radiotherapy & Radiation Oncology at Klinikum rechts der isar der Technischen Universitat Muchen. He is a honorary member of the Czech Association for Medical Physicists (CAMP), the European Federation of Organisations for Medical Physics (EFOMP), DEGRO (German Society of Radiooncology), OEGRO (Austrian Society of Radiooncology); Distinguished Affiliate Professor, Technische Universität München (TUM), Fellow Institute of Advanced Studies (TUM-IAS), Richard-Glocker Award DGMP.

Currently, Dr. Nuesslin is the President of Deuthsche Geselischaf fur Medizinische Physik (DGMP) at the European Federation of Organization for Medical Physics (EFOMP) and also President of International Organization for Medical Physics (IOMP).

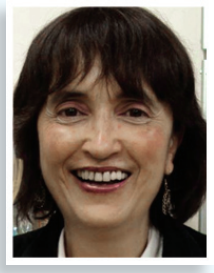
Dr. Nuesslin's scientific activities covers Dosimetry and Treatment Planning Optimization, Conformal Radiotherapy, Image Guidance, Advanced Technologies (particle beam therapy, laser application in imaging & particle beam therapy), Biological & Molecular Imaging including Modeling in Tumorbiology.

ROBERTO ORECCHIA , MD

Dr. Orecchia graduated from the University of Turin cum laude having obtained post doc degrees in Radiotherapy, Medical Oncology and Diagnostic Imaging. From 1980 to 1994 he conducted his medical and scientific activity as a physician and university researcher at the Radiology Institute of the University of Turin.

In 1994 he became a full professor in Radiotherapy and occupied the Chair of Radiotherapy at the University of Milan and Director of the Radiation Therapy Department at the European Institute of Oncology (IEO) in Milan up to date. He is also the Scientific Director of CNAO (Centro Nazionale di Adroterapia Oncologica) Foundation, in Pavia, where has been built the first Italian centre for proton and carbon ion therapy and Deputy Scientific Director at IEO. He is coordinators of ULICE project (Union of Light Center in European), funded in the frame of EU 7th Program with 8.4 M Euro, and involving 20 EU centres. He has been President of AIRO (Associazione Italiana di Radioterapia Oncologica) and Board member of the ESTRO (European Society of Treapeutic Radiology and Oncology). To date, he is President of ISIORT (International Society of Intraoperative Radiotherapy) and Board member of EUSOMA (European Society of Mastology).

Roberto Orecchia's scientific activity involves different aspects of radiotherapy and oncology related to both technical and clinical aspects, mainly on breast and prostate cancers, and on high-tech radiation therapy. He published more than 230 papers on peer reviewed journal with Impact Factor.



MARÍA DEL ROSARIO PEREZ, MD

Dr María del Rosario Pérez is a medical doctor who has worked at the Unit Interventions on Healthy Environments (IHE), Department of Public Health and Environment (PHE) of the World Health Organization (WHO) since April 2007.

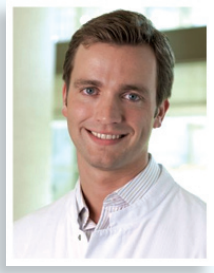
Her main responsibility at WHO is the technical coordination of the WHO Global Initiative on Radiation Safety in Health Care Settings. Her work at WHO also includes the development of guidance, norms and standards on ionizing radiation and human health and the provision of technical support to preparedness and response in radiation emergencies.

Dr. Pérez has been involved in the revision of the International Basic Safety Standards (BSS) for Protection against Ionizing Radiation and for the Safety of Radiation Sources since her arrival at WHO. In June 2009 she was nominated to represent WHO at the Joint BSS Secretariat as well as at the IAEA Radiation Safety Standards Committee (RASSC). She also represents WHO at the Inter-Agency Committee on Radiation Safety (IACRS),and serves as WHO observer the ICRP Committee 3 on Medical Exposures, the Group of Scientific Experts referred to in Article 31 of the Euratom Treaty and its Working Party on Medical Exposures.

Dr Pérez received her M.D. in 1980 from the School of Medicine of Buenos Aires University in Argentina, where she later specialized on Radiation Oncology. In 1990 she obtained a diploma in Radiation Protection and Nuclear Safety at the IAEA post-graduate course jointly hosted by the School of Engineering of Buenos Aires University and the Argentine National Atomic Energy (CNEA), and completed her formation in Epidemiology in the National Academy of Medicine.

Her professional activity has been related with radiation protection and human health for more than twenty years. She contributed to the implementation of programs of education and training in radiation protection in Latin America, where she actively promoted regional cooperation on medical and public health response in emergencies.

Dr. Pérez was the head of the Radiopathology Laboratory at the Nuclear Regulatory Authority, director of the REMPAN Liaison Institution in Argentina, member of the National Advisory Council in Radioisotopes and Radiations, alternate representative of Argentina at United Nations Scientific Committee on the Effects of Atomic Radiation (UNSCEAR) and consultant of UNSCEAR on Effects of Ionizing Radiation of the Immune System. She participated in international expert teams involved in the preparedness and response in radiation emergencies. She coordinated research projects on the effects of ionizing radiation on the immune system, foetal brain, and dermal endothelial cells, and co-authored more than 90 technical papers in her areas of expertise.



STEFAN RIEKEN, MD

Dr. Rieken went to schools in Germany and the USA. He studied medicine at the universities of Heidelberg (Germany), Denver (USA), Vienna (Austria) and Bern (Switzerland). He obtained his medical degree at the Medical Faculty, University of Heidelberg in November 2007, and has worked at the Department of Radiation Oncology, headed by Prof. Jürgen Debus, ever since. He completed his doctoral thesis on signal transduction in cell migration at the Department of Pharmacology in Heidelberg (Prof. Stefan Offermanns) in 2008.

His main scientific interest focuses on modifiability of tumor cell motility by photon and particle irradiation, high precision radiotherapy techniques, primary brain tumors and gynaecological malignancies. He has authored 8 scientific and peer-reviewed papers and co-authored 10 further publications.

TOSHIKAZU SUZUKI, PHD

Dr. Toshikazu Suzuki received the B.S. degree in 1979 from Hokkaido University of Engineering, the department of nuclear engineering.

He worked as an engineer in Hitachi for the development of a fast breeder reactor from 1979 to 1980.

In 1980, he joined the division of radiation instruments of Fuji Electric as a researcher of radiation detector.

There, he developed a BF3 proportional counter, a neutron rem-counter, a silicon semiconductor detector, a personal dose meter, a surface contamination monitor, a CsI based reactor emergency monitor during 1980 to 2000.

From 2000 to 2002, he was a marketing and development manager of Saint-Gobain Crystal & Detectors, Japan. A LaBr3 scintillator and a CZT semiconductor detector for medical application were experienced in the company.

Since 2002, he took the current position, Section Head, External Dosimetry Section, Department of Radiation Emergency Medicine, Research Center for Radiation Emergency Medicine, at the National Institute of Radiological Sciences (NIRS), Chiba, Japan. At NIRS, he is in charge of external exposure assessment and detector development in radiation emergency medical preparedness.

He also serves as a member of the Nuclear Safety Commission of Japan.

HIDEO TATSUZAKI, MD, PHD

Dr. Hideo Tatsuzaki graduated from the University of Tsukuba, School of Medicine, Japan, in 1983 with a Medical Degree. After that, he finished a combined course of radiobiology and clinical radiation oncology at the University of Tsukuba Graduate School with Ph.D.

During his carrier, he worked as a Clinical Fellow in the Massachusetts General Hospital, U.S.A., as an assistant professor in the University of Tsukuba, Japan, as a First Officer in the International Atomic Energy Agency, and as a Section Head of International Co-operation Section of NIRS.

Since 2006, he has been on the current position, Section Head, Diagnosis Section, Department of Radiation Emergency Medicine, and Research Center for Radiation Emergency Medicine, at the National Institute of Radiological Sciences (NIRS), Chiba, Japan. At NIRS, he is in charge of many training courses in radiation emergency medical preparedness.

He also serves as a member of the International Commission on Radiation Units and Measurements, ICRU, and serves as a Visiting Professor of the University of Hiroshima.

ELWIN TILSON, PHD

Dr. Elwin Tilson began his career in radiologic sciences in the late 1960s when he received his initial radiography training though the U.S. Army. He earned his bachelor's degree in Radiologic Sciences from Arizona State University, his master's degree in Education from San Francisco State University, and his doctorate in a computer related area from the University of Georgia.

After seven years of full time clinical practice, Dr. Tilson became an Assistant Professor of Radiologic Technology but continued to be involved clinically. His clinical specialty is in the area of Computed Tomography and digital imaging. In 1982, he became the founding member and head of the Department of Radiologic Sciences at Armstrong Atlantic State University in Savannah, GA where he has been ever since.

Elwin has been very active professionally over the years and has held positions in professional societies for many years including Chair of the Board for the Association of Educators in Radiologic and Imaging Sciences. He has made over 60 professional presentations with over 30 at national and international meetings, as well as publishing over 50 articles in professional publications, and co-authored two books and one computer program. He also served as Editor of the journal Radiologic Sciences & Education.

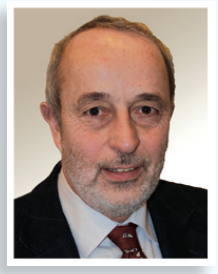
Dr. Tilson's current research interests are centered around the interplay between radiation dose and image quality.

HIROSHI TSUJI, MD, PHD

Dr. Tsuji received a Ph.D. from Tsukuba University for his study on proton radiotherapy of hepatocellular carcinoma in 1996. He has had 28 years of experience in clinical research on radiation oncology, including 16 years of experience in carbon ion radiotherapy at NIRS. From 2008 to 2011, he had been Director of the Particle therapy research group for developing advanced clinical therapy, which led to the present research program. He has been also the visiting professor of the Hiroshima University.

HIROHIKO TSUJII, MD, PHD

In 1968, Dr. Tsujii was graduated from Hokkaido University, Japan and trained at St. Vincent Medical Center, New York. He was involved in pi-meson therapy project at Los Alamos in1978, and PSI in 1982. He received a Ph.D. from Hokkaido University for his study on radiation therapy in 1985. In 1988, he had been the Professor, Proton Medical Research Center of Tsukuba University. He had been Director of Research center for charged particle therapy in 1994, and Executive Director of NIRS in 2008. He has been Research fellow at NIRS, and also the visiting professor of Gunma University. He received the scientific awards; Princess Takamatsu cancer research fund in 2005, and NISTEP scientist in 2006. He acted as Chairman of PTCOG in 2006-'09.



JACK VENSELAAR, PHD

Dr. Jack Venselaar received his PhD in 2000 at the Leiden University in The Netherlands on the topic of accuracy requirements of external beam therapy treatment planning. He is a senior specialist medical physicist with experience in the field of radiotherapy and brachytherapy physics, radiation protection and hyperthermia. He has pursued research in the field of dosimetry, quality assurance and technology of brachytherapy since the 80s. His contributions to brachytherapy physics and technology include dosimetry of high-activity sources, development and establishment of dosimetry protocols, advanced quality control procedures and systems, development of quality audit systems, and brachytherapy radiation protection data. He has been a board member of the Netherlands Commission of Radiation Dosimetry (NCS) and participated in several of the NCS committees including one chair position. From 2001 to 2008 he has been the chair of the Brachytherapy Physics Quality Systems (BRAPHYQS) group of GEC-ESTRO. Dr. Venselaar acts as a liaison between the GEC-ESTRO Committee of ESTRO and the AAPM Brachytherapy Subcommittee and the ABS Physics Committee. He has been the national coordinator of the Patterns of Care in Brachytherapy study project of GEC-ESTRO. He has been a consultant in several assignments for the International Atomic Energy Agency (IAEA) for both teaching and advisory activities. From 2001 - 2009 he has been a teacher for brachytherapy physics lectures in the international ESTRO Teaching Course on Modern Brachytherapy Techniques.

SHADA WADI-RAMAHI, PHD

Shada Wadi-Ramahi, is a medical physicist specializing in radiation oncology. She obtained her PhD from Rush University Medical Center, Chicago, in 2003 and became certified by the ABR in 2006. Dr. Wadi-Ramahi is a 1998 Fulbright Scholar.

She has been working at the King Hussein Cancer Center (KHCC)in Amman, Jordan, since 2004, where currently she is the Head of the Medical Physics Section. Dr. Wadi-Ramahi established the Plaque brachytherapy service and 4DCT imaging and helped in initiating the IMRT program in the Radiation Oncology Department at KHCC. Nationally, she is very active with the Jordanian Nuclear Regulatory Commission (JNRC) in collaborative projects with the European Union (EU), to establish national quality assurance standards for radiation therapy and national radiation accidents reporting system. Very recently, in Sept 2011, she was elected as the president of the Jordan Association of Physicists in Medicine. Regionally, Dr. Wadi-Ramahi is actively involved in IAEA-sponsored projects for the strengthening of the profession of medical physics.

SHIGERU YAMADA, MD, PHD

Dr. Yamada received a Ph.D. from Chiba University for his study on Gastrointestinal oncology in 1994. He has been specializing in Gastrointestinal oncology since 1985, and he has carried out work in Space Radiation at NASA Johnson Space Center in Houston. He has had 18 years of experience in clinical research on radiation oncology, including 14 years of experience in carbon ion radiotherapy at NIRS. Since 2010, he has been Head, Treatment team 2, Radiation oncology section of Hospital, Research center for charged particle therapy.

NAOYOSHI YAMAMOTO, MD, PHD

Dr. Yamamoto received a Ph.D. from Chiba University for his study on the pathological findings of the lung after carbon ion therapy in 2004. He has had 24 years of experience in pulmonary medicine and clinical research on radiation oncology, including 10 years of experience in carbon ion radiotherapy at NIRS. Since 2011, he has been Head of Radiation oncology section of Hospital, Research center for charged particle therapy.

TERRY YOSHIZUMI, PHD

Dr. Yoshizumi received his PhD degree in Physics from the University of Cincinnati in 1980. He completed Postdoctoral Training at the Memorial Sloan-Kettering Cancer Center in 1981. He subsequently joined Yale University; in 1997 he moved to Duke University where he is now full professor of Radiology and Radiation Oncology. He serves as Head of the Health Physics Group (HPG) at Duke. The group consists of Radiation Safety Office (clinical), Health Physics Graduate Program (academic), and Duke Radiation Dosimetry Laboratory, DRDL (research). Duke Radiation Safety Program is one of the largest and most complex academic radiation safety programs in the U.S. The HPG draws seven faculty members from various academic departments at Duke. DRDL supports medical radiation dosimetry, small animal dosimetry, and development of new nanoparticle radiation detectors. DRDL has been supported by various federal grants and industry grants and contracts. DRDL is known as the leading CT dosimetry laboratory in the world, and also recognized as leader in small animal dosimetry by NIAID/NIH. Dr. Yoshizumi is board certified by the ABR, ABMP and ABSNM. He has been active in various professional societies and served as President of the Medical Health Physics Section of the Health Physics Society (HPS) and as Board of Directors in HPS. He has published over 98 papers in peer-reviewed journals, has over 190 abstracts, and has 10 award winning papers. He was elected to the Fellow of the American Association of Physicists in Medicine in 2011.

SESSION CHAIRPERSONS

Fahd Abdulkhaliq	National Guard Health Affairs, Jeddah, KSA	Abdelilah Aboussekhra	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Mohei Eldin Abouzeid	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA	Tarek Amin	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Ibrahim Alanazi	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA	Jihad AlSadah	King Fahd University of Petroleum and Minerals, Dhahran, KSA
Yassir Bahader	King Abdulaziz University, Jeddah, KSA	Yassir Al Barakati	National Guard Health Affairs, Jeddah, KSA
Camelia Constantinescu	King Faisal Specialist Hospital & Research Centre, Jeddah, KSA	Ismail Al-Dahlawi	King Fahad Specialist Hospital, Dammam, KSA
Fouad Al-Dayel	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA	Saad Aldelaijan	Saudi Food and Drug Authority, Riyadh, KSA
Abdul-Rahman Alhadab	King Abdulaziz Medical City, Riyadh, KSA	Osman Elhanafi	King Abdullah Medical City, Makkah, KSA
Col. Ahmed Alenezi	Riyadh Military Hospital, Riyadh, KSA	Naheed Gamali	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Kostas Chantziantoniou	Saudi ARAMCO Medical Services Organization, Dhahran, KSA	Suliman Al-Ghamdi	National Guard Health Affairs, Jeddah, KSA
Anan Al-Karmi	King Fahad University of Petroleum & Minerals, Dharan, KSA	Khalid Abu-Khabar	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Nabil Maalej	King Fahd University of Petroleum and Minerals, Dhahran, KSA	Rana Mahmood	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Noor Mail	National Guard Health Affairs, Jeddah, KSA	Hadeer Mair	King Abdulaziz Oncology Center, Riyadh, KSA
Musaed Alie AlMalki	Ministry of Health, Riyadh, KSA	Fareed Mayhoub	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Brian Meyer	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA	Salman Milliebari	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Ueber Miola	Riyadh Military Hospital, Riyadh, KSA	Saleh Almofada	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Ahmad Mohaleb	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA	Jazi Al-Mokhlef	Health Physics Est., Riyadh, KSA
Sameer Natto	Umm Al-Qura University, Makkah, KSA	Majid Al-Othman	Saudi ARAMCO Medical Services Organization, Dhahran, KSA
Saleh Othman	King Saud University, Riyadh, KSA	Mohammed Al-Rowaily	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Eyad Alsaeed	King Khalid University Hospital, Riyadh, KSA	Fathi Alsaeedi	King Abdulaziz Medical City – National Guard, Jeddah, KSA
Ghazi Alsbeih	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA	Sultan Al-Sedairy	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Essam Senan	King Faisal Specialist Hospital & Research Centre, Jeddah, KSA	Mohammad Al-Shabanah	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Mohammad Alsubael	King Saud University, Riyadh, KSA	Hamad Alsuhabani	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Rhonwyn Tighe	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA	Khaled Al-Yousef	King Abdulaziz Medical City, Riyadh, KSA
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SESSION MODERATORS

Mushabab Assiri	King Fahad Medical City, Riyadh, KSA
Belal Moftah	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
M. Gary Sayed	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Abdulaziz Al-Sugair	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA

SESSION & WORKSHOP COORDINATORS

Moheieldin Abouzied	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Omer Demirkaya	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Peter Hall	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Zeinab Hassan	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Adnan Al-Hebshi	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
M. Abrar Hussain	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Yasser Khafaga	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Fareed Mahyoub	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Belal Moftah	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Ahmed Nobah	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Sameha Julie Pickford	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
M. Gary Sayed	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Ghazi Alsbeih	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA
Mahmoud Tuli	King Faisal Specialist Hospital & Research Centre, Riyadh, KSA

SCIENTIFIC PROGRAM

2012 INTERNATIONAL CONFERENCE ON RADIATION MEDICINE (ICRM2012)

Clinical Applications and Innovative Approaches

King Faisal Specialist Hospital & Research Centre, Riyadh, Saudi Arabia, 26 February – 01 March 2012

SCIENTIFIC PROGRAM

SUNDAY, 26 FEBRUARY 2012

IAEA/KFSH&RC Regional Training Course on Medical Physics Aspects in Low and High Dose Rate Brachytherapy

VENUE: : RESEARCH CENTRE 304

Time	8:00 - 8:45AM	8:45 - 9:30AM	COFFEE BREAK	10:00 - 10:40AM	10:40 - 11:20AM	11:20 - 12:00NN	COFFEE BREAK	1:30 - 2:10PM	2:10 - 2:50PM	2:50 - 3:30PM	COFFEE BREAK	4:00 - 5:00PM	5:00 - 6:00PM
COURSE TITLE	Registrations, Administrative Formalities and Inauguration	L1: Introduction to Brachytherapy (Belal Moftah)		L2: Radiobiology of Low and High Dose Rate Brachytherapy (Ghazi Alsbeih)	L3: Clinical Aspects and Indications for Brachytherapy (Rana Mahmoud)	L4: Sources and Equipment (Jack Venslaar)		L5: Calibration of Sources (Wassim Jalbout)	L6: Conventional TPS Calculations (Jack Venslaar)	L7: QA Procedures for HDR/ LDR (Zeinab Hassan)		Practical Session 1 & 2 (Choose one) P1: QA Procedures for HDR Unit (Slobodan Devic) P2: QA Procedures for LDR Unit (Zeinab Hassan)	Practical Session 2 & 1 (Choose one) P1: QA Procedures for HDR Unit (Slobodan Devic) P2: QA Procedures for LDR Unit (Zeinab Hassan)

PRE ICRM2012 COURSE

Introduction to Medical Physics and Radiation Protection

VENUE: ONCOLOGY LECTURE HALL

	Chairperson: **Musaed Al-Malki**			BREAK	Chairperson: **Ibrahim Al-Anazi**			PRAYER	Chairperson: **Fareed Mahyoub**		
Time	9:00 - 9:15AM	9:15 - 9:45AM	9:15 - 9:45AM		10:30 - 11:00AM	11:00 - 11:30AM	11:30 -12:00NN		1:00 - 1:30PM	1:30 – 2:00PM	2:00 - 3:00PM
COURSE TITLE	Course Overview	Radiation Protection I (Ibrahim Al-Duhaini)	Radiation Protection II (Ibrahim Al-Anazi)		Diagnostic X-ray (Ibrahim Al-Anazi)	Radiation Therapy/ Physics (Belal Moftah)	Radiation Biology (Ghazi Alsbeih)		CT (Nabil Iqeilan)	Nuclear Medicine (Omer Demirkaya)	Examination and Concluding Remarks (ALL Speakers)
8:00-10:00PM	Evening presentation and dinner (by invitation) sponsored by: Attieh Medico Co. A presentation by Dr. Tom Depuydt, The VERO System										

DAY 1 (MONDAY, 27 FEBRUARY 2012)

TIME							
7:00 AM	ON-SITE REGISTRATION VENUE: PRINCE SALMAN AUDITORIUM AND RESEARCH CENTRE LOBBY						
7:30-8:30AM	Breakfast VENUE: PRINCE SALMAN AUDITORIUM FOYER, RC 1ST FLOOR, POST GRADUATE CENTER, RC 304						
8:30-9:30AM	**SESSION 1: CONTINUING EDUCATION COURSES (PART I)**						
Course Number	CEC1	CEC2	CEC3	CEC4	CEC5	CEC6	CEC7
Course Title	**Introduction to Radiation Medicine**	**Advanced Radiotherapy Clinical Applications**	**IAEA Brachytherapy**	**Radiography**	**Advanced Nuclear Medicine Techniques**	**Radiobiology & Radiation Protection**	**Writing & Publishing**
Venue	PGC CR3	Prince Salman Auditorium	RC 304	PGC CR8	PGC Auditorium	PGC CR1	PGC CR7
Coordinator	Yasser Khafaga	Adnan Al-Hebshi	Belal Moftah	Gary Sayed	Mahmoud Tuli	Ghazi Alsbeih	Peter Hall
Chairperson	Abdul-Rahman Alhadab	Majid Al-Othman	Camelia Constantinescu	Naheed Gamali	Ahmad Al-Mohaydeb	Musaed AlMalki	Fouad Al-Dayel
8:00AM			L8: Dose Calculations- TG 43 (Shada Wadi-Ramahi)				
CEC Lecture 1 8 :30-8:50AM	Radiation in Medicine : Introduction (Mohammad Shabanah)	IORT: Rationale and Historical Perspective (Leonard Gunderson)		An Overview of Radiologic Technology Professions (M. Gary Sayed)	Clinical Applications of SPECT/CT (Mahmoud Tuli)	Introduction to Biology (Ghazi Alsbeih)	The Changing World of Scientific Publishing (Peter Hall)
CEC Lecture 2 8:50-9:10AM	Radiation Oncology Process (Yasser Khafaga)	A Novel IGRT device for SBRT: the UZ Brussel experience (Tom Depuydt)	L9: Treatment Planning (Wassim Jalbout)	I am a recently graduated radiographer or a technologist - what comes next? (Erwin Tilson)	Advances in Non-invasive Cardiac Imaging (Ahmad Fathala)	Biological Effects of ionizing radiation (Ghazi Alsbeih)	How To Get Your Work Published: An Overview (Peter Hall)
CEC Lecture 3 9:10-9:30AM	Nuclear Cardiology (Hani Alsergani)	MRI: Simulation for Radiotherapy Treatment Planning (Slobodan Devic)		Radiography Education and Professional Societies in Saudi Arabia (Essam Mattar)	Quantification in PET/CT imaging: barriers and solutions (Osama Mawlawi)	Biological Effects of Non-ionizing Radiation (Abdelilah Aboussekhra)	Choosing the Right Journal (Peter Hall)
9:30-10:00AM	COFFEE BREAK						

10:00-10:30 AM	**SESSION 2: ICRM2012 OPENING CEREMONY** **VENUE: PRINCE SALMAN AUDITORIUM** Broadcast to PGC Auditorium and Research Centre 1st Floor Lobby	
	Recitation of the Holy Quran	**Dr Mohammad Samman**, Senior Scientist, Research Centre
	Opening Remarks	**Dr Belal Moftah**, Chairman, ICRM Organizing Committee
	Speaker's Keynote Address	**Interlinkage of Radiation Medicine Professional Groups in Successfuly Combating Cancer** **Prof. Fridtjof Nusslin**, President, International Organization for Medical Physics
	Co-Organizers Welcome Addresses	**Dr. Maria del Rosario Perez,** Responsible Officer for the Global Initiative on Radiation Safety in Health Care Settings, World Health Organization (WHO)
		H.E. Dr. Daud Mohamad, Deputy Director General, International Atomic Energy Agency (IAEA)
		H.E. Dr. Mohammed Al Kanhal, President, Saudi Food and Drug Authority (SFDA)
	Patronage Welcome Addresses	**H.E. Dr. Qasim Al Qasabi**, Chief Executive Officer, King Faisal Specialist Hospital and Research Centre (KFSH&RC)
10:45AM-12:10PM	**SESSION 3: PLENARY STATE-OF-THE-ART LECTURES A** **VENUE: PRINCE SALMAN AUDITORIUM** Chairpersons: Ali S. Al-Zahrani and Mohammad Al-Shabanah	
10:45-11:10AM	SoA Lecture 1	Title: **"IAEA Support to Medical Radiation Physics"** Lecturer: Ahmed Meghzifene
11:10-11:35AM	SoA Lecture 2	Title: **"Imaging and Radiation Therapy: Impact on the Process Phases"** Lecturer: Roberto Orecchia
11:40AM-12:10 PM	SoA Lecture 3	Title: **"Overview of Carbon Ion Radiotherapy"** Lecturer: Hirohiko Tsujii
12:10 -1:30 PM	Lunch Break (Al-Maather Cave Park) and Prayer	Poster Viewing Session opens at Post Graduate Center

DAY 1 (MONDAY, 27 FEBRUARY 2012)			
SESSION 4: PARALLEL SESSIONS I			
1:30-3:30PM	**SESSION 4 A: RADIATION ONCOLOGY** Chairpersons: **Essam Senan and Jihad Alsadah**	**SESSION 4 B: DIAGNOSTIC IMAGING** Chairpersons: **Hamad Alsuhabani and Kostas Chantziantoniou**	**SESSION 4 C: RADIOBIOLOGY, RADIATION PROTECTION & OTHER TOPICS** Chairpersons: **Anan Al-Karmi and Mohammad Alsubael**
Venue	Prince Salman Auditorium	Post Graduate Centre Auditorium	Post Graduate Centre (Class Room 1)
1:40 - 2:05 PM	RO Lecture 1 Title: **"New Technologies in Modern Radiation Therapy: Advanced Techniques"** Lecturer: M. Saiful Huq	DI Lecture 1 Title: **"Review of recent CT perfusion accidents in the US: dosimetry, risk analysis, and lessons learned""** Lecturer: Terry Yoshizumi	RRPO Lecture 1 Title: **"Measurement of Internal Radiation Contamination"** Lecturer: Toshikazu Suzuki
2:05 - 2:30 PM	RO Lecture 2 Title: **"The Role of Chemo-radiation for Colorectal and Anal Cancer"** Lecturer: Leonard Gunderson	DI Lecture 2 Title: **"Role of I-124 PET/CT"** Lecturer: Hani Abdel Nabi	RRPO Lecture 2 Title: **"Carbon Ion Radiotherapy in a Hypo-fraction Regimen for Stage I Non-Small Cell Lung Cancer"** Lecturer: Noayoshi Yamamoto
2:30 - 2:55 PM	RO Lecture 3 Title: **"Advances in Malignant Glioma Care Based on International Research"** Lecturer: Walter Curran	DI Lecture 3 Title: **"PET/CT QA/QC and Acceptance Testing"** Lecturer: Osama Mawlawi	RRPO Lecture 3 Title: **"Radiobiological characterization of clinical high-LET radiation beams"** Lecturer: John Guelette
2:55 - 3:20 PM	RO Lecture 4 Title: **"Carbon Ion Radiotherapy for Bone & Soft Tissue Sarcomas, Head & Neck (Skull Base)"** Lecturer: Tadashi Kamada	DI Lecture 4 Title: "**Current Trends in CT Applications: 2D & 3D Imaging"** Lecturer: Elwin Tilson	RRPO Lecture 4 Title: **"Accidents in Radiation Therapy – First Do No Harm"** Lecturer: M. Saiful Huq
3:20 - 3:30 PM	Discussion	Discussion	Discussion
3:30 - 4:00 PM	ASR PRAYER AND COFFEE BREAK		

DAY 1 (MONDAY, 27 FEBRUARY 2012)		
	SESSION 5: PANEL DISCUSSIONS	
	SESSION 5 A: INNOVATIVE APPROACHES IN RADIATION THERAPY Moderators: **Belal Moftah and Mushabab Assiri**	**SESSION 5 B: INNOVATIVE APPROACHES IN DIAGNOSTIC IMAGING, RADIOBIOLOGY & RADIATION SAFETY** Moderators: **Abdulaziz Al-Sugair and M. Gary Sayed**
Venue	Prince Salman Auditorium	Post Graduate Centre Auditorium
4:00 - 5:30 PM	RT PD1 Title: **"IMRT with Ion Beams"** Presenter: Hirohiko Tsujii	DIRS PD1 Title: **"Current Approaches in Neuro Radiology"** Presenter: Ibrahim Alorainy
	RT PD2 Title: **"Intraoperative Irradiation Techniques/Dose: Electron Beam(IOERT) and High Dose Rate Brachytherapy (HDR-IORT)"** Presenter: Leonard Gunderson	DIRS PD2 Title: **"CT Doses and Impacts on Population Health"** Presenter: Elwin Tilson
	RT PD3 Title: **"The Role of Radiation Therapy in the Treatment of Recurrent/Metastatic Tumors"** Presenter: Roberto Orecchia	DIRS PD3 Title: **"Innovative Approaches in Nuclear Medicine"** Presenter: Hani Abdel Nabi
	RT PD4 Title: **"Chemo/Radiation in Cancer Management"** Presenter: Walter Curran	DIRS PD4 Title: **"Advances in PET Imaging"** Presenter: Osama Mawlawi
	RT PD5 Title: **"Stereotactic Body Radiation Therapy (SBRT) : Physical Aspects and Associated Challenges"** Presenter: Saiful Huq	DIRS PD5 Title: **"Radiobiology"** Presenter: John Gueulette
	RT PD6 Title: **"Novel technologies in imaging and particle beam radiotherapy using high intense short pulsed laser technology"** Presenter: Fridtjof Nusslin	DIRS PD6 Title: **"Patient Dose Measurements"** Presenter: Terry Yoshizumi
	RT PD7 Title: **"Novel IGRT devices"** Presenter: Tom Depuydt	DIRS PD7 Title: **"Radiation Protection in Health Care – Challenges and Opportunities"** Presenter: Maria del Rosario Perez
	Discussions Presenters: All Panelists	Discussions Presenters: All Panelists
7:30 PM	**Bus Pick-up for Gala Dinner (In front of North Tower Entrance)**	
8:00-10:00PM	Gala Dinner and Evening Presentation Sponsored by **Al-Faisaliah Medical Systems** Venue: **Carlton Ritz**	

DAY 2 (TUESDAY, 28 FEBRUARY 2012)

8:00-9:30AM	SESSION 6: CONTINUING EDUCATION COURSES (PART II)						
Course No	CEC1	CEC2	CEC3	CEC4	CEC5	CEC6	CEC7
Course Title	**Introduction to Radiation Medicine**	**Advanced Radiotherapy Clinical Applications**	**IAEA Brachytherapy**	**Radiography**	**Advanced Nuclear Medicine Techniques**	**Radiobiology & Radiation Protection**	**Writing & Publishing**
Venue	PGC CR3	Prince Salman Auditorium	RC 304	PGC CR8	PGC Auditorium	PGC CR1	PGC CR7
Coordinator	Yasser Khafaga	Adnan Al-Hebshi	Belal Moftah	Gary Sayed	Mahmoud Tuli	Ghazi Alsbeih	Peter Hall
Chairperson	Osman Elhanafi	Jazi Al-Mokhlef	Sameer Natoo	Rhonwyn Tighe	Mohei Abouzeid	Ibrahim Al-Anazi	Abdelilah Aboussekhra
CEC Lecture 4 8:00-8:20AM	Radiobiology (Ghazi Alsbeih)	Radiation Therapy: New Approaches for Treating Prostate Cancer (Roberto Orrechia)	L10: Image Guided Brachytherapy (Slobodan Devic)	Radiation Safety Concerns in CT (M. Gary Sayed)	Advances in SEPCT/CT Technology (Salem Sassi)	IAEA Quality Assurance Team for Radiation Oncology (QUATRO) Project (Mohammad Al-Shabanah)	How Not To Annoy the Editors and Reviewers: Read the Instructions (Peter Hall)
CEC Lecture 5 8:20-8:40AM	Nuclear Medicine (Mahmoud Tuli)	Status and Future Plan of HIMAC (Koji Noda)		Recent Developments in Radiography and Radiologic Technology (Elwin Tilson)	Radioisotope Targeted Therapy: State of Play (Salem Sassi)	Radiobiology of clinical high-LET beams (John Guelette)	Get It Right First Time! Language, Structure, Phrasing, Format etc (Peter Hall)
CEC Lecture 6 8:40-9:00AM	Medical Imaging (Nabil Maalej)	Multi-dimensional Image Guided Carbon Ion Radiotherapy (Shinichiro Mori)	L11: Acceptance Testing & Commissioning of HDR (Jack Venselaar)	Recent Developments in Nuclear Medicine Technology – Updates (Mohammed Al-Rowaily)	Characterization of Single Pulmonary Nodules With Standard Uptake Values: Myth or Reality (Hani Abdel Nabi)	Fetal dose and radiation risk (Ibrahim Al-Anazi)	Writing Style (Peter Hall)
CEC Lecture 7 9:00-9:20AM	Radiopharmaceuticals and Tracers (Ibrahim Aljammaz)	Clinical Benefit of Tomotherapy (Stefan Rieken)		Applications of Ultrasound Imaging (Nabil Iqeilan)		Variation of Radiosensitivity Between Individuals (Ghazi Alsbeih)	Figures, Graphs and Tables (Peter Hall)
9:20-10:00AM	COFFEE BREAK						

DAY 2 (TUESDAY, 28 FEBRUARY 2012)	
10:00-12:30PM	**SESSION 7: PLENARY STATE-OF-THE-ART LECTURES B** VENUE: PRINCE SALMAN AUDITORIUM Chairperson: **Tarek Amin** and **Ali M. Al-Zahrani**
10:00-10:30AM	SoA Lecture 4 Title: **"Atoms for Peace: Meeting Basic Human Needs through Science and Technology"** Lecturer: Daud Mohamad
10:30- 11:00AM	SoA Lecture 5 Title: **"The Radiation Therapy Oncology Group (RTOG): Recent History and Future Opportunities"** Lecturer: Walter Curran
11:00-11:30AM	SoA Lecture 6 Title: **"Labeled monoclonal antibodies in diagnosis and therapy: Past, present and future"** Lecturer: Hani Abdel Nabi
11:30AM-12:00NN	SoA Lecture 7 Title: **"Molecular image guidance in the radiation therapy process"** Lecturer: Fridtjof Nuesslin
12:00-12:30PM	SoA Lecture 8 Title: **"Intraoperative Irradiation as a Component of Treatment for Locally Unresectable/Locally Recurrent Cancers"** Lecturer: Leonard Gunderson
12:30-1:45PM	PRAYER AND LUNCH BREAK (AL-MAATHER CAVE PARK)

DAY 2 (TUESDAY, 28 FEBRUARY 2012)			
SESSION 8: PARALLEL SESSIONS II			
1:45-3:30PM	**SESSION 8 A: RADIATION ONCOLOGY** Chairpersons: **Eyad Alsaeed and Ueber Miola**	**SESSION 8 B: DIAGNOSTIC IMAGING** Chairpersons: **Ahmed Alenezi and Suliman Alghamdi**	**SESSION 8 C: RADIOBIOLOGY & RADIATION PROTECTION & OTHER TOPICS** Chairpersons: **Saad Aldelaijan and Khaled Al-Yousef**
Venue	Prince Salman Auditorium	Post Graduate Centre Auditorium	Post Graduate Centre (Class Room 1)
1:45- 2:15 PM	RO Lecture 5 Title: **"Innovations in Brachytherapy: Moving from 2D to 3D, and on to IGABT, A Medical Physicist Perspective"** Lecturer: Jack Venselaar	DI Lecture 5 Title: **"4D PET/CT Imaging and its Application"** Lecturer: Osama Mawlawi	RRPO Lecture 5 Title: **"Biological Applications of Radio Induction Therapy"** Lecturer: Mohammed Mohiuddin
2:15-2:40 PM	RO Lecture 6 Title: **"Principles and Technique of PBI (Partial Breast Irradiation) and ELIOT"** Lecturer: Roberto Orecchia	DI Lecture 6 Title: **"Personalized Medicine: The Role of Molecular Imaging"** Lecturer: Salem Sassy	RRPO Lecture 6 Title: **"Intestinal Crypt Regeneration in Mice as a Biological System for Clinical Hadron Beam Intercomparison: Rationale, Procedure and Results "** Lecturer: John Gueulette
2:40 - 3:05 PM	RO Lecture 7 Title: **"Esophago-Gastric Cancer: Chemoradiation, Indications & Results"** Lecturer: Leonard Gunderson	DI Lecture 7 Title: **"New development in MRI guided radiation therapy(MRgRT)"** Lecturer: Abdelhamid Saoudi and Suliman Alghamdi	RRPO Lecture 7 Title: **"Carbon Ion Radiotherapy for Patients with Locally Recurrent Rectal Cancer and Pancreatic Cancer"** Lecturer: Shigeru Yamada
3:05- 3:30 PM	RO Lecture 8 Title: **"Challenges of the Medical Physicist as a team player in a Radiotherapy Department"** Lecturer: Fridtjof Nusslin	DI Lecture 8 Title: **"Monitoring of effective dose in interventional and cardiac catheterization procedure"** Lecturer: Terry Yoshizumi	RRPO Lecture 8 Title: **"Carbon Ion Radiotherapy for Prostate and liver"** Lecturer: Hiroshi Tsuji
3:30 - 4:00 PM	**PRAYER & COFFEE BREAK**		

DAY 2 (TUESDAY, 28 FEBRUARY 2012)

SESSION 9: PARALLEL SESSIONS

4:00 - 5:30 PM	SESSION 9A: WHO'S WHO AT ICRM 2012 Chairpersons: **Sultan Al-Sedairy and Adnan Ezzat**	SESSION 9B: RADIATION ONCOLOGY TRACK Chairpersons: **Rana Mahmood and Yassir Al Barakati**	SESSION 9C: RADIATION ONCOLOGY PHYSICS TRACK Chairpersons: **Nabil Maalej and Noor Mail**	SESSION 9D: DIAGNOSTIC IMAGING TRACK Chairpersons: **Saleh Othman and Fahd Abdulkhaliq**	SESSION 9E: RADIATION BIOLOGY AND SAFETY TRACK Chairpersona: **Ibrahim Alenazi and Salman Milliebari**
Venue	Prince Salman Auditorium	Post Graduate Centre Auditorium	Post Graduate Centre (Classroom 1)	Post Graduate Centre (Classroom 3)	Post Graduate (Classroom 8)
4:00 - 4:10 PM	**King Faisal Specialist Hospital and Research Centre (KFSH&RC):** Prof. Dr. Rashed Al-Rashed Al-Hmaid	RO Abstract 1 **Combination of Advanced Radiation Techniques of Adaptive IMRT/IGRT with CyberKnife SRS and Volume Based 3D HDR Brachytherapy in a Single Case With Critical Challenges** R. Mahmood, A. Hebshi and M. Aldehaim	ROP Abstract 1 **Commissioning a Monte Carlo Based Treatment Planning System at King Fahad Specialist Hospital Dammam** L.A. Abdullah, B. Jalal, N. Maalej and W. Abdel-Rahman	DI Abstract 1 **An Observer Performance Study With Two CAD Systems Having The Same Standalone Performance: Can Reader's Aided Performances With The Two Systems Differ?** O. Demirkaya and B. Sahiner	RBS Abstract 1 **Computer Software for Radiation Safety training in Hospitals** M. Ahmed
4:10 - 4:20 PM	**Saudi Food and Drug Authority (SFDA):** Dr. Saleh Al Tayyar	RO Abstract 2 **RapidArc: Two Years Clinical Experience** Y. Albarakati, E. Khawandanah, Y. Khan, M. Khan, F. Saeedi, N. Mail, N. Al-Safadi, S. Al-Ghai and A. Saoudi	ROP Abstract 2 **The Impacts of Dental Filling Materials on RapidArc Treatment Planning and Dose Delivery: Challenges and Solution** N. Mail , Y. AlBarakati , M. Khan, F. Saeedi, N. Safadi , S. Al-Ghai , A. Saoudi	DI Abstract 2 **Assessment of ASIR Reconstruction Algorithm in Terms of Image Quality and Patient Dose** F. Abdulkhaliq, N. Mail and A. Saoudi	RBS Abstract 2 **Software for the Management of Health Physics and Radiation Safety Program** M. Ahmed
4:20 - 4:30 PM	**World Health Organization (WHO):** Dr. Maria del Rosario Perez **Interanational Atomic Energy Agency (IAEA):** Prof. Daud Mohammad	RO Abstract 3 **IORT for Breast Cancer, King Abdulaziz University Hospital Experience** Y. Bahadur, A. Constantinescu, E. Fawzy, M. Ezzat and A. Hassona	ROP Abstract 3 **Radiochromic Film Dosimetry of HDR Ir-192 Source Radiation Fields** S. Aldelaijan, H. Mohammed, N. Tomic, L. Liang, F. DeBlosis, A. Sarfehnia, W. Abdel-Rahman, J. Seuntjens and S. Devic	DI Abstract 3 **Role of Magnetic Resonance in Breast Cancer** H. Serrai, A. Saoudi, A. Al-Shehri and S. Al-Ghai	RBS Abstract 3 **Biodistribution and Internal Dosimetry of Technetium 99M Pertechnetate in Thyroid Scintigraphy: In Vivo and Phantom Study** A. Rei and D. Soejoko
4:30 - 4:40 PM	**National Institute of Radiological Sciences (NIRS):** Dr. Hirohiko Tsujii	RO Abstract 4 **Intensity Modulated Radiotherapy (IMRT) versus Conventional 3-DRT for Pediatric Abdominal Neuroblastoma** M. El Beltagi and Y. Khafaga	ROP Abstract 4 **Spatially Fractioned Grid Radiation Therapy (SFGRT) : The first Grid Block Fully Clinically Integrated with Treatment Planning System** A. Nobah, M. Mohiuddin and B. Moftah	DI Abstract 4 **Classification of Sub-masses in malignant breast ultrasound image: A case study** W. Basheer and O. Hamid	RBS Abstract 4 **King Abdulaziz Medical City Patient Reference Dose Levels in Fluoroscopic Procedures** A. Senhou, A. Al Suwayan and S. Penn

4:40 - 4:50 PM	**American Association for Radiation Oncology (ASTRO):** Prof. Leonard Gunderson	RO Abstract 5 **Systematic Re-planning During Volumetric Modulated Arc Therapy (VMAT) in the Treatment of Nasopharyngeal Cancer** M. Khan, N. Safadi, S. Al-Ghai, N. Mail and A. Saoudi	ROP Abstract 5 **Quality Assurance Using 3D Gel at KFSH&RC** A. Al-Mousa, Moh'd A. Al Kafi, K. Rabaeh, A. Basfar and Belal Moftah	DI Abstract 5 **Image Quality and Dose Management for Chest X-rays in Digital Radiology** A. Alshafea, A. Sulieman, H. Osman	RBS Abstract 5 **The Multi-transmit Approach in Localized Magnetic Resonance Spectroscopy: Feasibility and Applications** Hacene Serrai
4:50 - 5:00 PM	**American Association of Physicist in Medicine (AAPM):** Prof. Saiful Huq	RO Abstract 6 **Stereotactic Radiosurgery for Idiopathic Trigeminal Neuralgia : Is CyberKnife Safe?** A. Al-Hebshi, A. Mousa, M. AlDeham, A. Hussain and F. AlOtaibi	ROP Abstract 6 **Novel Composition of Normoxic 3D Polymer Gel Dosimeters fro Radiation Therapy Planning** K. Rabaeh, A. Basfar, A. Al Mousa, Moh'd A. Al-Kafi and B. Moftah	DI Abstract 6 **PET and Breast Lesions** A. Zytoon and K. Murakami	RBS Abstract 6 **Dosimetry of Radiobiological Irradiations Using Radiochromic Film** S. Aldelaijan, A. Nobah, I. Aldahlawi, N. Tomic, G. Alsbeih, B. Moftah and S. Devic
5:00 - 5:10 PM	**The European Society for Therapeutic Radiology and Oncology (ESTRO):** Prof. Roberto Orecchia	RO Abstract 7 **Palliative Radiotherapy for Patients Hospitalized in a Palliative Care Unit: A Report from Saudi Arabia** Al-Shahri, M. Al-Omir, A., Al-Shabanah, M., El-Sebaei, M.	ROP Abstract 7 **Linearization of the Radiochromic Film Dosimetry System Dose Response** S. Devic, N. Tomic, S. Aldelaijan, F. Deblois, J. Seuntjens; D. Lewis	DI Abstract 7 **Gated SPECT Phase Analysis for Predicting CRT Response** S. Othman	RBS Abstract 7 **Relationship Between Genetic Polymorphic Variations and Complications to Radiotherapy in Head and Neck Cancer Patients** N. Al-Harbi, M. Al-Buhairi, K. Al-Hadyan, M. ElSebaie, Nasser Al-Rahi and G. Alsbeih
5:10 - 5:20 PM	**Saudi Cancer Society (SCS):** Dr. Abdullah Al-Amro	RO Abstract 8 **Pretargeted Radionuclide Therapy in Breast Cancer** M. Al-Rowaily, M. Chico	ROP Abstract 8 **Application of Gold Nanoparticles in Radiation Therapy** A. Alanazi	DI Abstract 8 **Classics of Myocardial Perfusion Imaging: A History of the Most Frequently Cited Articles (1973-2010)** M. G. Sayed and M. Tuli	RBS Abstract 8 **Establishing a Reference Biological Dosimetry Laboratory for the Assessment of Radiation Overexposure in Saudia Arabia** G. AlSbeih, K. Al-Hadyan, A. Venturina, M. Shoukri, B. Moftah and A. Al Zahrani
5:20 - 5:30 PM	**Saudi Oncology Society (SOS):** Dr. Esam Murshid **Saudi Society of Medical Radiologic Technology (SSMRT):** Dr. Esam Mattar	RO Abstract 9 **Helical Tomotherapy Versus Conventional Planning for Post Mastectomy Breast Cancer** Z. Hassan, O. Hassad, M. Elsebai, M. Al Shabana, and B. Moftah	ROP Abstract 9 **Significance of Bright and Dark Streaking in CT Images of KV and MV Qualities** A. Hussain, B. Moftah, N. Mail and A. Saoudi	DI Abstract 9 **Investigating the Role of PACS in MRI Quality Control** M. Bayoumi, A. Bahri, A. Rahman, A. Abdouli, N. Al Shibli, S. Buhumaid and J. Al-Suwaidi	RBS Abstract 9 **Establishing a PET Radiopharmaceutical Production Facility** S. Milliebari and K. Al-Safi
7:30 PM	**Bus Pick-up for King Abdulaziz Museum (In front of North Tower Main Entrance)**				
8:00-10:30PM	King Abdulaziz Museum Visit Evening Presentation and Dinner Sponsored by: **Gulf Medical Co.** Presentation by: **Dr. Stefan Rieken** Venue: **Marriot Hotel**				

DAY 3 (WEDNESDAY, 29 FEBRUARY 2012)							
8:00-9:30AM	**SESSION 10: CONTINUING EDUCATION COURSES (PART III)**						
Course No	CEC1	CEC2	CEC3	CEC4	CEC5	CEC6	CEC7
Course Title	**Introduction to Radiation Medicine**	**Advanced Radiotherapy Clinical Applications**	**IAEA Brachytherapy**	**Radiography**	**Advanced Nuclear Medicine Techniques**	**Radiobiology & Radiation Protection**	**Writing & Publishing**
Venue	PGC CR3	Prince Salman Auditorium	RC 304	PGC CR8	PGC Auditorium	PGC CR1	PGC CR7
Coordinator	Yasser Khafaga	Adnan Al-Hebshi	Belal Moftah	Gary Sayed	Mahmoud Tuli	Ghazi Alsbeih	Peter Hall
Chairperson	Ismail Al-Dahlawi	Fathi Alsaeedi	Hassan Al Ghamdi	Mohammed Al-Rowaily	Mohieldin Abouzied	Abdelilah Aboussekhra	Brian Meyer
CEC Lecture 8 8 :00-8:20AM	**Applications of Non-ionizing Radiation** (Abdelillah Aboussekhra)	**SRS Clinical Aspects** (Adnan Al-Hebshi)	**L12: Radiation Protection Room Planning & Regulatory Aspects** (Tharmarnadar Ganesh)	**Recent Developments in MRI** (Rami Niazy)	**FDG-PET based differential Uptake Volume Histograms in NSCLC patients** (Slobodan Devic)	**CT Dose Concerns and Future (Size Specific Dose Estimate in Pediatric and Adult body CT Examination)** (Nabil Iqeilan)	**Plagiarism, Redundant Publication and Other Ethical Issues** (Peter Hall)
CEC Lecture 9 8:20-8:40AM	**Medical Physics** (Belal Moftah)	**Analogy between Stereotactic Radiosurgery & Microsurgery** (Imaddudin Kanaan)		**Professional Certification and Registration** (Elwin Tilson)	**Value of FDG PET following first chemotherapy cycle in patients with newly diagnosed Non Hodgkin's Lymphoma.** (Hani Abdel Nabi)	**Intestinal Crypt System for Hadron Beam Intercomparison?** (John Gueulette)	**Dealing With Rejection** (Peter Hall)
CEC Lecture 10 8:40-9:00AM	**Radiation Protection and Emegencies** (Ibrahim Duhaini)	**IGRT Based Helical Tomotherpay** (Stefan Rieken)	**Incidents & Accidents in Brachytherapy** (Jack Venselaar)	**MS Degree Programs in Radiological and Imaging Sciences** (Gary Sayed)		**Radiation Protection & Safety at the SFDA** (Nasser Alaboudi)	**General Discussion**
CEC Lecture 11 9:00-9:20AM	**Future Opportunities in Radiation Medicine** (Gary Sayed)	**Challenges Associated With Small Field Dosimetry** (M. Saiful Huq)		**An Interactive Q&A Session** (Tilson, Mattar, Rowaily, Iqeilan and Sayed)	**PET/CT QA/QC** (Osama Mawlawi)	**CT Scanner Shielding Methods** (Terry Yoshizumi)	
9:20-10:00AM	**COFFEE BREAK**						

DAY 3 (WEDNESDAY, 29 FEBRUARY 2012)	
10:00-12:30AM	**SESSION 10: PLENARY STATE-OF-THE-ART LECTURES C** VENUE: PRINCE SALMAN AUDITORIUM Chairperson: **Yassir Bahader and Hadeer Mair**
10:00-10:30AM	SoA Lecture 9 Title: **"Overview of TEPCO Fukushima Daiichi NPP Accident"** Lecturer: Toshikazu Suzuki
10:30- 11:00AM	SoA Lecture 10 Title: **"KFMC Proton Therapy Facility"** Lecturer: Abdullah Al Amro
11:00-11:30AM	SoA Lecture 6 Title: **"Advances in PET Imaging and their Applications in Oncology"** Lecturer: Osama Mawlawi
11:30AM-12:00PM	SoA Lecture 7 Title: **"CT Doses and Impacts on Population Health"** Lecturer: Elwin Tilson
12:00-12:30PM	SoA Lecture 8 Title: **"Patient dose management and operator radiation protection in vascular procedures"** Lecturer: Terry Yoshizumi
12:30-1:30PM	PRAYER AND LUNCH BREAK (AL-MAATHER CAVE PARK)

DAY 3 (WEDNESDAY, 29 FEBRUARY 2012)									
1:30 -5:00PM	SESSION 11: WORKSHOPS (PART I)								
Workshop Title	IAEA LDR/HDR Brachytherapy	Introduction to Radiation Medicine	Tomotherapy	RapidArc	CyberKnife	Radiography - Updates and Trends	PET/CT Applications on Treatment Planning	PET/CT QC/QA	Radiobiology & Radiation Protection
Venue	Room 304, ORA (adjacent to room 304) - 3rd floor of the Research Building	Radiotherapy Large Planning Room	Tomotherapy Planning Station and Treatment Unit	Radiotherapy Conference Room, 2100EX (T2) Treatment Unit	Cyberknife Treatment Unit, Streotactic Planning Station Area	Radiology Conference Room	PET/CT Imaging Unit, Small Planning Room (Dosimetry Unit)	PET/CT Center in the Department of Radiology	Radiation Biology Section, Room B29, Radiation Safety Office, Room B51, Biomedical Physics Dept., Research Centre
Coordinator	Zeinab Hassan	M. Gary Sayed	Sameha Julie Pickford	Ahmed Nobah	M. Abrar Hussain	M. Gary Sayed	Moheieldin Abouzied	Omer Demirkaya	Fareed Mahyoub, Ghazi Alsbeih
Instructors	Belal Moftah, Zeinab Hassan, Slobodan Devic, Hind Al-Selham, Rana Mahmood, Mohammed Al-Dehaim, Eman Meghad, Umar Maganda Mwidu	Medhat El-Sebaie, Ghadeer Nazer, Mona Al-Turaiki, M. Gary Sayed	Ehab Khalil, Omar Chibani, Mamoun Shehadah, Wedyan Safar, Paula Yates, Sameha Pickford, Connie Ming, Emilie Beauchemin	Ahmed Nobah, Mohammad Beltagi, Umar Mwidu, Lorcel Ericka Ventruina, Francis Tse, Julia Brown	Adnan Al-Hebshi, M. Abrar Hussain, Imaduddin Kanaan, Amr Mousa Taha, Joe Poon, Fatimah Al-Marhoun, Abdullah Al-kafi	M. Gary Sayed, Naheed Gamali, Bandar Alghamdi, Edna Camino, Khalid Aldossari, Abdulrahman Alathel, Ahamad Masawi, Khalled Alshalali, Manal Mustafa, Rana Abu Aish, Mohammed Al-Rowaily, Tagea Hamidudeen	Moheieldin Abouzeid, Nasser Al-Rajhi, Osama Hassad, Ruchana Parker	Osama Mawlawi, Omer Demirkaya and Salih Shaleya	John Gueulette, Fareed Mahyoub, Ghazi Alsbeih, Ibrahim Al-Anazi, Najla Al-Harbi, Celestino Legarde
1:30 -3:30PM	Session I	Session I	Session I	Session I	Session I	Session I	Session I	Session I	Session I
3:30 - 4:00 PM	PRAYER & COFFEE BREAK								
4:00 -5:30PM	Session II	Session II	Session II	Session II	Session II	Session II	Session II	Session II	Session II

DAY 4 (THURSDAY, 1 MARCH 2012)									
8:00AM – 12:00Noon	SESSION 12: WORKSHOPS (PART I)								
Workshop Title	IAEA LDR/HDR Brachytherapy	Introduction to Radiation Medicine	Tomotherapy	RapidArc	CyberKnife	Radiography - Updates and Trends	PET/CT Applications on Treatment Planning	PET/CT QC/QA	Radiobiology & Radiation Protection
Venue	Room 304, ORA (adjacent to room 304) - 3rd floor of the Research Building	Radiology	TomoTherapy Planning Station and Treatment Unit	Radiotherapy Conference Room, 2100EX (T2) Treatment Unit	Cyberknife Treatment Unit, Streotactic Planning Station Area	Radiology Conference Room	PET/CT Imaging Unit, Small Planning Room (Dosimetry Unit)	PET/CT Center in the Department of Radiology	Radiation Biology Section, Room B29, Radiation Safety Office, Room B51, Biomedical Physics Dept., Research Centre
Coordinator	Zeinab Hassan	Gary Sayed	Sameha Julie Pickford	Ahmed Nobah	M. Abrar Hussain	M. Gary Sayed	Moheieldin Abouzied	Omer Demirkaya	Mr. Fareed Mahyoub, Dr. Ghazi Alsbeih
Instructors	Belal Moftah, Zeinab Hassan, Slobodan Devic, Hind Al-Selham, Rana Mahmood, Mohammed Al-Dehaim, Eman Meghad, Umar Maganda Mwidu	M. Gary Sayed, Naheed Gamali, Bandar Alghamdi, Edna Camino, Khalid Aldossari, Abdulrahman Alathel, Ahamad Masawi, Khalled Alshalali, Manal Mustafa, Rana Abu Aish, Mohammed Al-Rowaily, Tagea Hamidudeen, Ruchana Parker	Ehab Khalil, Omar Chibani, Mamoun Shehadah, Wedyan Safar, Paula Yates, Sameha Pickford, Connie Ming, Emilie Beauchemin	Ahmed Nobah, Mohammad Beltagi, Umar Mwidu, Lorcel Ericka Ventruina, Francis Tse, Julia Brown	Adnan Al-Hebshi, M. Abrar Hussain, Amr Mousa Taha, Joe Poon, Fatimah Al-Marhoun, Abdullah Al-kafi	M. Gary Sayed, Naheed Gamali, Bandar Alghamdi, Edna Camino, Khalid Aldossari, Abdulrahman Alathel, Ahamad Masawi, Khalled Alshalali, Manal Mustafa, Rana Abu Aish, Mohammed Al-Rowaily, Tangea Hamidudeen	Moheieldin Abouzeid, Nasser Al-Rajhi, Osama Hassad, Ruchanna Parker	Osama Mawlawi, Omer Demirkaya and Salih Shaleya	John Gueulette, Fareed Mahyoub, Ghazi Alsbeih, Ibrahim Al-Anazi, Najla Al-Harbi, Celestino Legarde
8:00-9:30 AM	Session I	Session I	Session I	Session I	Session I	Session I	Session I	Session I	Session I
9:30-10:00 AM	PRAYER & COFFEE BREAK								
10:00 AM-12:00 PM	Session II	Session II	Session II	Session II	Session II	Session II	Session II	Session II	Session II
12:00 PM	CLOSING CEREMONY/DISTRIBUTION OF CERTIFICATES VENUE: PRINCE SALMAN AUDITORIUM								
12:30-1:30 PM	PRAYER AND LUNCH Venue: Prince Salman Auditorium Foyer								
1:30-8:00 PM	Bus Pick-up (Venue: North Tower Entrance) to Al-Thumama Desert Camp, Falcon Show and Dinner								

DAY 1-3 (MONDAY - THURSDAY, 27 FEBRUARY – 29 FEBRUARY 2012)	
12:30 - 1:30 PM	SESSION 13: POSTER VIEWING SESSIONS
Venue	RESEARCH CENTRE GROUND FLOOR LOBBY OR PRINCE SALMAN AUDITORIUM FOYER
	POSTER SESSION 13A: RADIATION ONCOLOGY TRACK
Poster 1	Anaplastic Thyroid Cancer - Retrospective Review of 120 Cases, R. Mahmood, M. AlDehaim, F. Hussain, A. Memon and A. AlHebshi
Poster 2	DWI and SWI Sequences as MRI Biomarkers for the Early Detection of Tumor Recurrence from Treatment Induced Brain Injury, A. Al Sayyari
Poster 3	Risks of Lung Fibrosis and Pneumonitis Using Electron for Postmastectomy Radiotherapy, H. Omer, A. Sulieman, C. Kappa, K. Theodoru, L. Tsougos and zzT. Kilindris
Poster 4	Commissioning of a Total Skin Electron Therapy (TSET) Technique, M. AlHassan, I. AlDahwai, N. Maalej, W. Abdelrahaman
Poster 5	Comparison of Dose Distribution in Total Body Irradiation with Two Latteral-Opposed Fields for 6 and 18 MV Photon Beams, M. AlKhaldi, I. AlDahlawi, B. Jalal, W. Abdel-Rahman
Poster	A Qualitative Study of RapidArc TM Radiotherapy Planning in the Treatment of Nasophrynx Patients, E. Khawandanah, Y. Khan, Y. Albarakati, N. Mail, S. Al-Ghamdi, and A. Saoudi
Poster 7	A Comparison Between Volumetric Modulated Arc Therapy (VMAT: RapidArc) and 3-D Conformal Radiotherapy in Cranio-Spinal Irradiation (CSI), T. Alawi, N. Safadi, S. Al-Ghamdi and A. Saoudi
Poster 8	New Development in MRI Guided Radiation Therapy (MRgR), A. Saoudi and S. Al-Ghamdi
Poster 9	Cervical Cancer High Dose Rate (HDR) Brachytherapy: From Orthogonal to 3-D Image-Based Treatment Planning KAUH-Jeddah Experience, Y. Bahadur, A. Hassouna, M. El Sayed, C. Constantinescu, M. Naseem, A. Naga and N. Ghassal
Poster 10	Intracranial Arteriovenous Malformations Treated Using A Linear Accelerator-Based Radiosurgery System, A Single Institution Experience, A. Mousa, A. Hebshi, J. AlWatban, M. Alsbaie, and I. Kanaan
Poster 11	3D Anatomy-based Planning Optimization for High Dose Rate Vaginal Vault Brachytherapy, Y. Bahadur, A. Hassouna, C. Constantinescu, A. Naga, N. Ghassal and M. Ezzat
Poster 12	Volumetric Modulated Arc Therapy (VMAT) for Endometrial Cancer, R. Mahmood and L.E.T. Venturina
Poster 13	The Image Base 3D High Dose Rate Brachytherapy for Cervix Cancer - KFSH&RC Experience, R. Mahmood, U. Mwidu, M. AlDelhaim, Z. Hassan, H. AlMuhammad and F. Mahyoub
Poster 14	CNS metastasis of breast cancer origin: prevalence, risk assessment, and endurance subsequent to It, M. El-Sebaie, M. Al-Shabanah, D. Ajarim, T. Al-Twegri, A. Al-Sayed, M. Nabiel, M. A. Al-Salam, A. Darwish, A. El-Tegani, E. Khalel and A. Al-Hebshi

Poster 15	I-131 and I-131 MIBG Therapy at KFSH&RC Riyadh, F. Mahyoub and M. Tuli
Poster 16	Comparison Between Varian High Definition (HD-MLC) and Millennium MultiLeaf Collimators in Terms of Conformity and Dose Homogeneity in VMAT Treatment Planning, S. Jaber, Y. Albarakati, N. Mail and A. Saoudi
Poster 17	Spatially Fractionated Grid Radiation: A Novel approach in the management of unresectable Sarcomas-A KFSH&RC Experience, M. Rana, A. Nobah, M. Mohiuddin, B. Moftah, R. Pant, M. Shaheen
Poster 18	Comparison of TomoTherapy and RapidArc in hippocampal sparing brain radiotherapy in pediatrics, G. Nazer, M. Nazmy, B.Moftah, Y. Khafaga
	Poster Session 13B: Diagnostic Imaging Track
Poster 19	Molecular Imaging: Current Status of Radiopharmaceuticals (An Overview), S. Imam, T. El-Maghraby, S. Altuwaijri
Poster 20	Sonographic Features of Benign and Malignant Breast(s) Masses, M. Mahmoud, B. Ahmed, M. Mohamed, M. Abdelaziz, O. Hamid, O. Osman and A. Sulieman
Poster 21	Effecttive Dose Estimation During Pediatric Conventional Radiography, Omer Saeed, Abdelmoneim Sulieman and H. Osman
Poster 22	Estimation of Entrance Surface Dose for the Adult Patients During Common Diagnostic Xray Examination, Mohamed Yousef, Abdelmoneim Sulieman, Khadija Mokhtar and Hamid Osman
Poster 23	Evaluation of Patients Doses in Different Multi Slice Computed Tomography Modalities, Abdelfatah Nemer, Abdelmoneim Sulieman, Hamid Osman
Poster 24	Fetal Femoral Length as a Parameter for Estimation of Fetal Weight Using Ultrasound, Mustafa Mahmoud, Bushra Ahmed, Elisir Saeed; Omer Hamid, and Abdelmoneim Sulieman
Poster 25	Entrance Dose Measurement for Routine X-ray Examination in Al Obied City, G. Tayseer, A. Sulieman and H. Osman
Poster 26	Conventional and Color Doppler Sonography in Predicting Malignancy in Thyroid Nodules, Mohammed Rania, Awad Elkareem, H. Osman
Poster 27	Orthopedist Radiation Exposure : State of Art and Future Prediction, H. Osman; A. Sulieman; Hanan Elnour; Mustafa Mahmoud; M. Elsamani; Adam Sam
	Poster Session 13C: Radiation Biology and Safety Track
Poster 28	Aspects of Radiopharmaceuticals Production, S. Milliebari and A. Deya
Poster 29	Role of Research Coordinator in Organizing Project Involving Cervical Cancer Patients, A. Venturina, S. Al-Qahtani, M. Al-Dehaim, M. El-Sebaieh, M. Medhat, R Mahmoud and G. AlSbeih
Poster 30	Comparison of KFSH&RC Internal & External TLD Monitoring Services from 2008 until 2011 Using 6600 Plus and Lite TLD, F. Mahyoub and I. Al-Gain
Poster 31	A Bibliometric Analysis of One-Hundred Most Cited Articles, including a Classic, in Radiation Dosimetry A. Helmi, H. Al-Humaidan, N, Al-Mulhem and G. Sayed
Poster 32	Radiogenic Risks From Diagnostic Radiology, Osman H., Sulieman. A., El-Nour H.
Poster 33	The Top 10 at 10: Most-Cited Articles in Medical Dosimetry, G. Nazer, P. Yates and M. G. Sayed

ACRONYMS USED IN THE SCIENTIFIC PROGRAM

AAPM:	American Association of Physicist in Medicine
ASTRO:	American Society for Radiation Oncology
CEC:	Continuing Education Course
DI:	Diagnostic Imaging
DIRS:	Diagnostic Imaging Radiobiology and Radiation Safety
ESTRO:	European Society for Therapeutic Radiology and Oncology
IAEA:	International Atomic Energy Agency
KFSH&RC:	King Faisal Specialist Hospital and Research Centre
MoH:	Ministry of Health
NIRS:	National Institute of Radiological Sciences
RC 304:	Research Centre 304
PGC:	Post Graduate Center
PGC CR1:	Post Graduate Center Classroom #1
PGC CR3:	Post Graduate Center Classroom #3
PGC CR7:	Post Graduate Center Classroom #7
PGC CR8:	Post Graduate Center Classroom #8
PGC Auditorium:	Post Graduate Center Auditorium
PSA:	Prince Salman Auditorium
RBS:	Radiation Biology and Safety
RC 304:	Research Centre 304
RO:	Radiation Oncology
ROP:	Radiation Oncology Physics
RRPO:	Radiobiology, Radiation Protection & Others
RT:	Radiation Therapy
SCS:	Saudi Cancer Society
SFDA:	Saudi Food and Drug Authority
SoA:	State-of-the-art
SOS:	Saudi Oncology Society
SSMRT:	Saudi Society of Medical Radiologic Technology
T2:	Treatment Unit 2
WHO:	World Health Organization

ACKNOWLEDGEMENTS

Co-Organizers:

Our special appreciation to

- International Atomic Energy Agency (IAEA)
- World Health Organization (WHO)
- Saudi Food and Drug Authority (SFDA)
- National Institute of Radiological Sciences (NIRS)

for their support of this international conference as the co-organizers.

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We would like to thank the following international and national organizations for endorsing and supporting this conference.

- The American Association of Physicist in Medicine (AAPM)American Society for Radiation Oncology (ASTRO)
- European Society for Therapeutic Radiology and Oncology (ESTRO)
- European Association of Nuclear Medicine (EANM)
- Radiological Society of Saudi Arabia (RSSA)
- Saudi Cancer Society (SCS)
- Saudi Oncology Society (SOS)
- Saudi Society of Medical Radiologic Technology (SSMRT)
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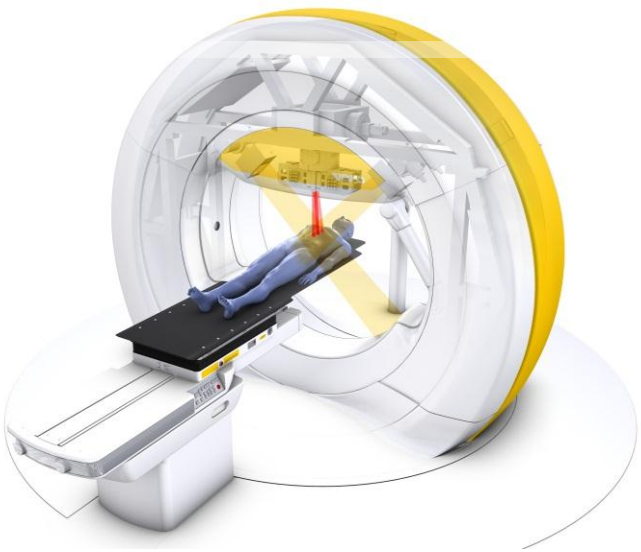
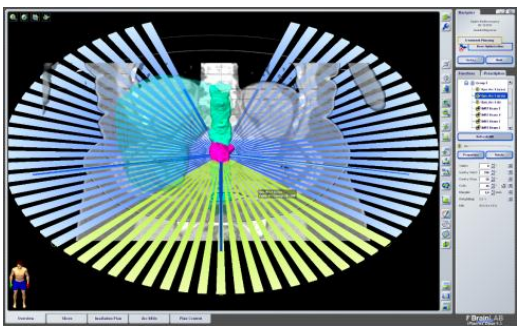
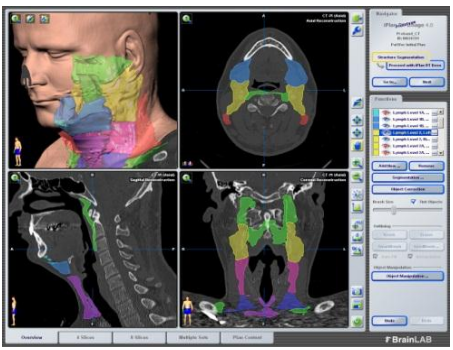
Leading The Fight Against Cancer







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BRAINLAB

شركة فيصل مساعد السيف وشركاه المحدودة
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INTRAOP

FIGHTING CANCER AT ITS CORE

MOBETRON

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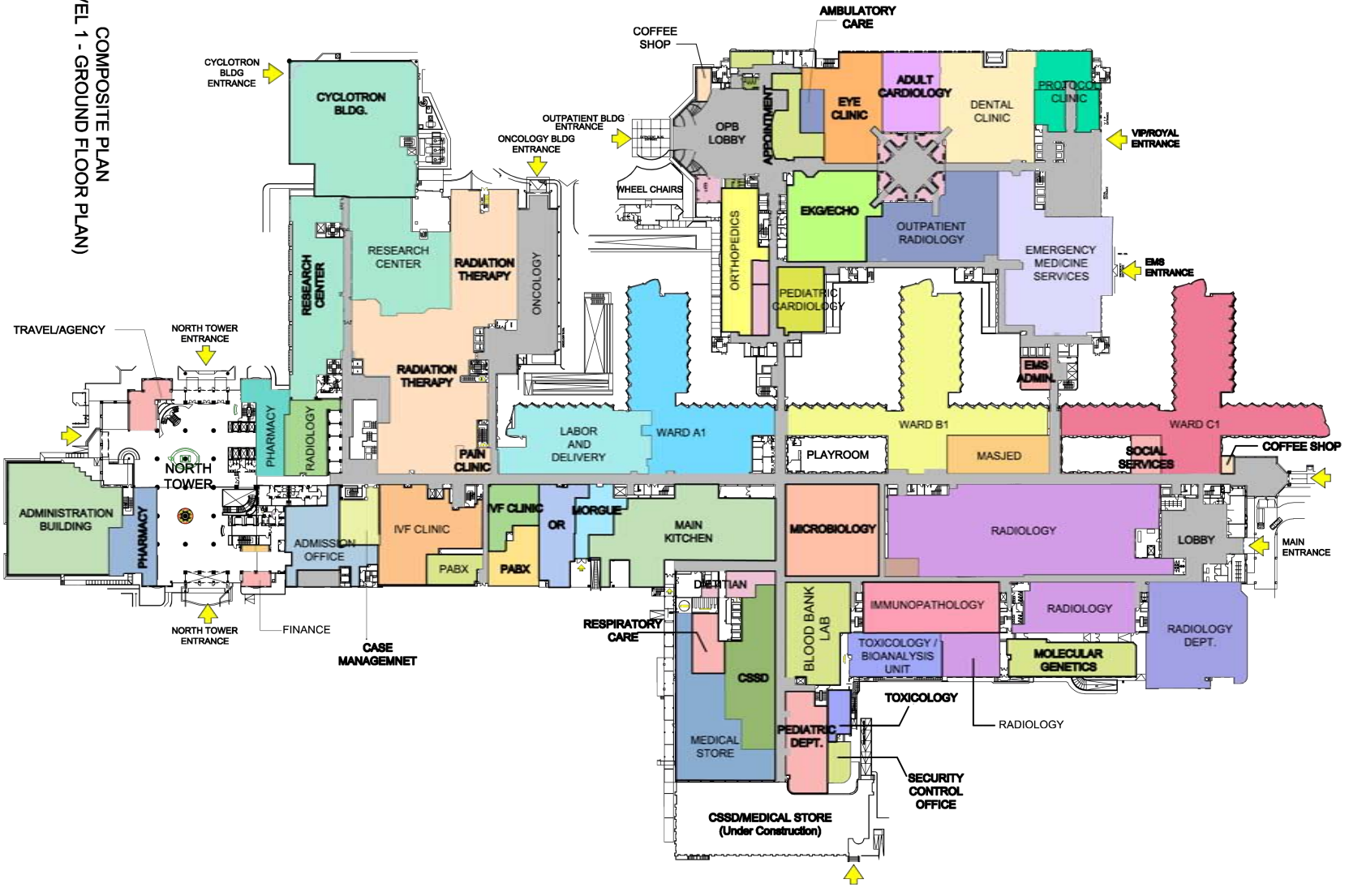
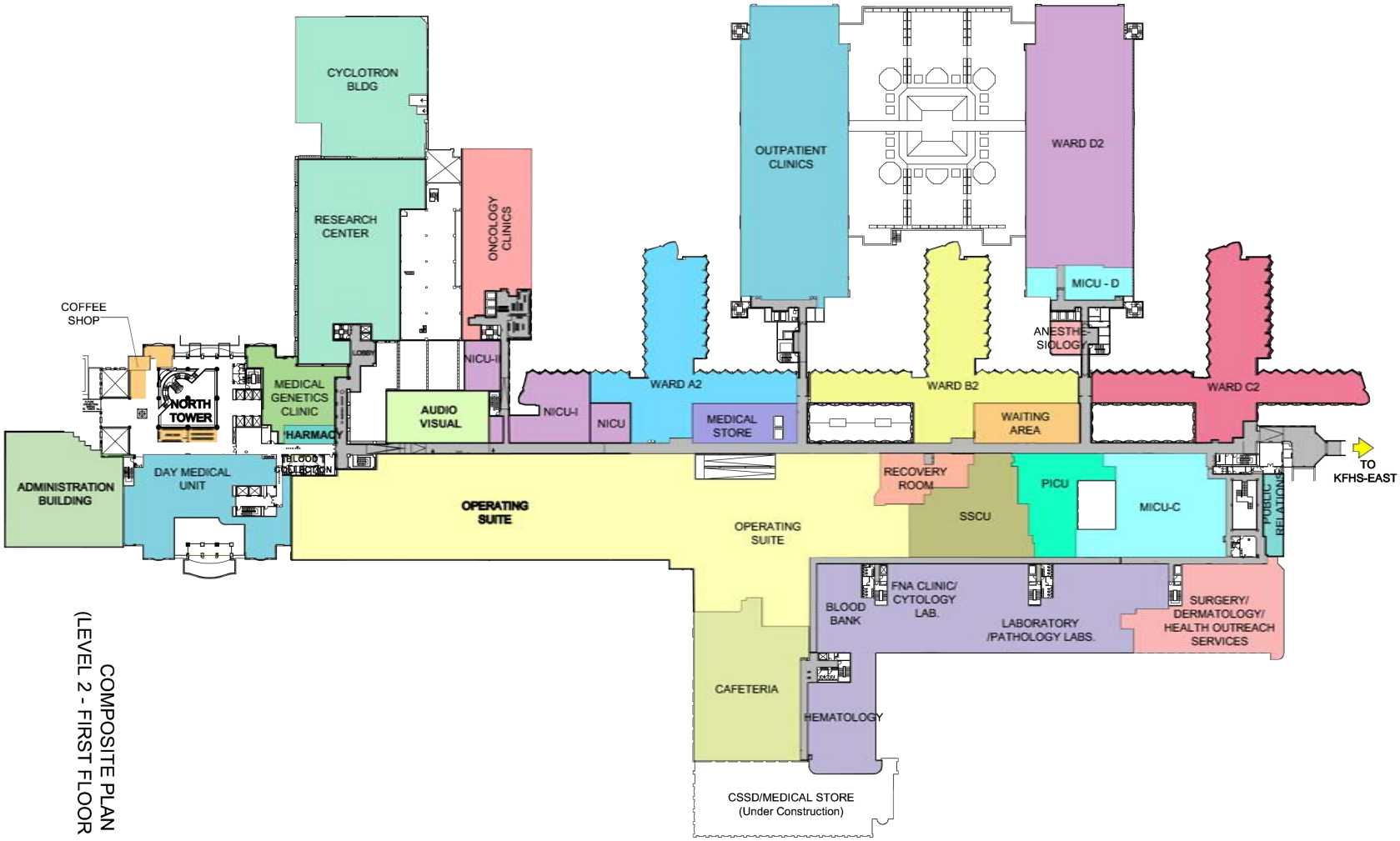
PRINCE TURKI BIN ABDULAZIZ AL AWAL ROAD
ZAHRAWI STREET
ZAHRAWI STREET
WEST COMPOUND
SUBSTATION
CLUBHOUSE
AUCTION YARD
STORE
NEW SHADED YARD
SHADED BUS PARKING
TRANSPORTATION SHADED PARKING
HALA LIMOSINE PARKING
BATCHING PLANT AREA
CONTRACTORS OFFICE & WAREHOUSE
BODY PAINT BUILDING
G-COMPLEX
F-COMPLEX
SOLICO
INCINERATOR BUILDING
GREEN HOUSE
NEW INCINERATOR BUILDING
NEW CENTRALIZED FACILITY WORKSHOP
W.H.
W.H.
W.H.
LOGISTIC
WAREHOUSE 1
WAREHOUSE 7
WAREHOUSE 6
WAREHOUSE #2
NEW SUBSTATION
NEW WAREHOUSE 4
NEW PHARMACY WAREHOUSE
RADIOACTIVE
SUBSTATION
LARGE ANIMAL HOLDING AREA
LABORATORY ANIMAL FACILITY
13 WAREHOUSE 12 MEDICAL RECORDS
MOBILE BLOOD BANK
TRANSPORTATION SERVICES BUILDING
PROPOSED SEWAGE TREATMENT PLANT
PROPOSED ELECTRICAL SUB-STATION
CENTRAL PLANT
CENTRAL PLANT
TANK FARM GATE
KING ABDULLAH CANCER CENTER & LIVER DISEASES
"E" COMPLEX
CED VILLA
BANK
ADMIN BLDG
NORTH TOWER
RESEARCH CENTER
OLD MCO
TRAINING DEVELOPEMENT CENTER
ITA
WAREHOUSE 9
W.H.
MULTI STORY PARKING
SEWAGE TREATMENT PLANT 2,300m³ / day
WATER TREATMENT PLANT
SUBSTATION
POWERHOUSE
SHOPS
SQUASH COURT
SOCIAL CLUB
SWIMMING POOL
CSSD/ MEDICAL STORE
"C" COMPLEX
"A" COMPLEX
"B" COMPLEX
SS
SEC
MASJID
PALM VILLA-II

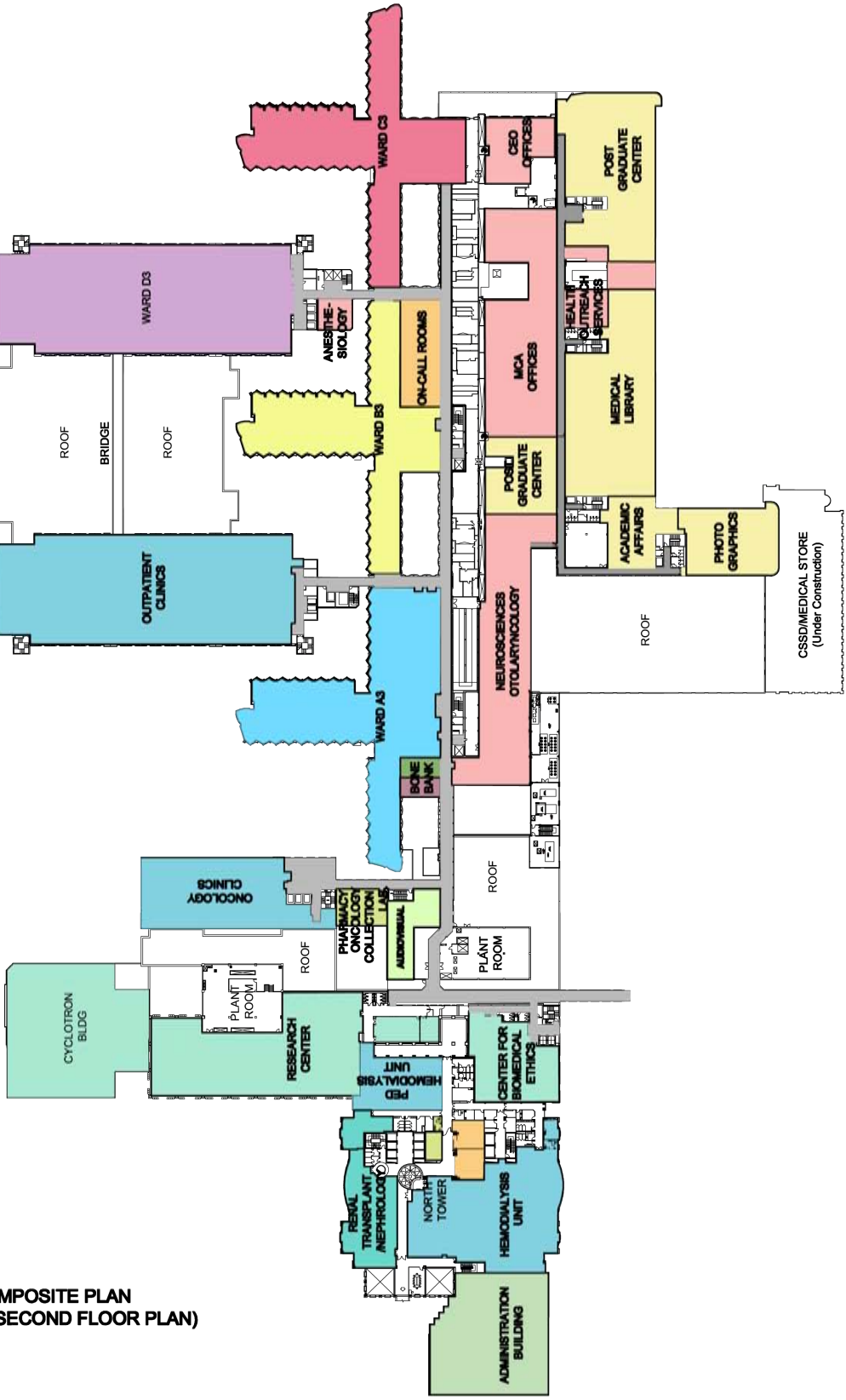
KFSH & RC EXISTING SITE PLAN

COMPOSITE PLAN
(LEVEL 1 - GROUND FLOOR PLAN)

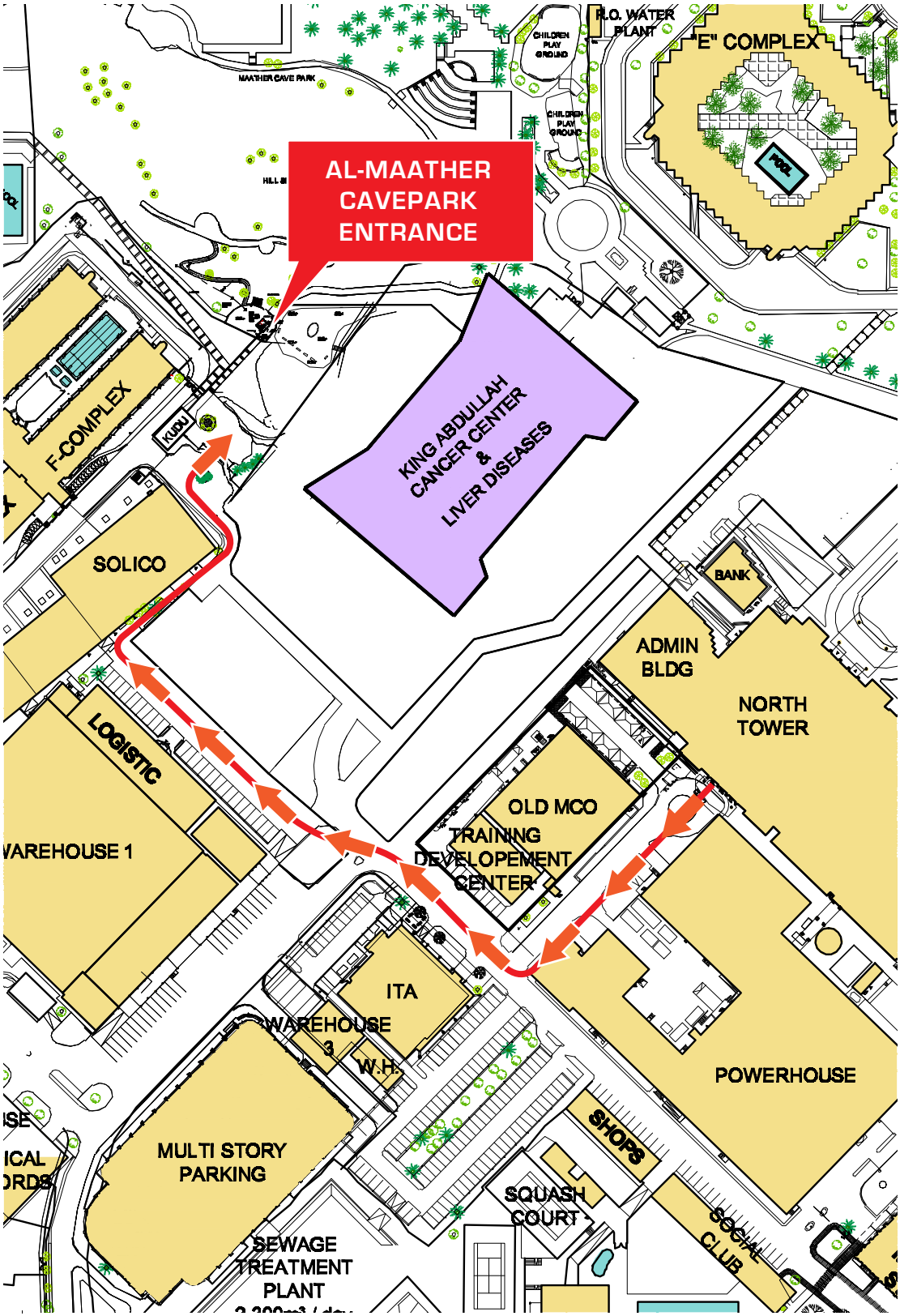




COMPOSITE PLAN
(LEVEL 2 - FIRST FLOOR PLAN)



COMPOSITE PLAN
(LEVEL 3 - SECOND FLOOR PLAN)


AL-MAATHER
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ENTRANCE
KING ABDULLAH
CANCER CENTER
&
LIVER DISEASES
MAATHER CAVE PARK
CHILDREN
PLAY
GROUND
P.O. WATER
PLANT
"E" COMPLEX
POOL
F-COMPLEX
KUDU
SOLICO
BANK
ADMIN
BLDG
NORTH
TOWER
LOGISTIC
OLD MCO
TRAINING
DEVELOPEMENT
CENTER
ITA
WAREHOUSE
3
W.H.
POWERHOUSE
MULTI STORY
PARKING
SHOPS
SQUASH
COURT
SOCIAL
CLUB
SEWAGE
TREATMENT
PLANT

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