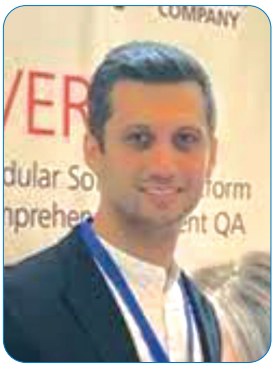
Invited International Speakers



Dr. Aram Rostami

- PhD in Medical Physics

Current position:

Senior medical physicist of national center for cancer care and research, Doha, Qatar.

Qualifications:

- PhD of medical physics (2014 -2018)
- Iran university of medical sciences, Tehran, Iran
- MSc of Radiation biology and radiation protection (2011-2014)
- Tehran university of medical sciences, Tehran, Iran
- BSc of Diagnostic Radiology (2007-2011)
- Hamedan university of Medical Sciences. Hamedan, Iran.

Current protocols:

'Optimization of Session Treatment Time in Ethos's Online Adaptive Radiotherapy" funded by a grant from Varian Medical Company.

Latest Publications:

1- Comparison of four commercial dose calculation algorithms in different evaluation tests Aram Rostami , Aluisio Jose De Castro Neto, Satheesh Prasad Paloor, Journal of X-Ray Science and Technology -2023.

2- Rectal wall sparing effect of a rectal retractor in prostate intensity-modulated radiotherapy H Ghaffari, Aram Rostami, MA Ardekani, B Mofid, SR Mahdavi. Journal of Cancer Research and Therapeutics – 2021.

3- Comparison of various common whole pelvic radiotherapy (WPRT) and local radiotherapy (LRT) procedures to treat prostate cancer based on dosimetric parameters SM Rezaeijo, B Hashemi, B Mofid, M Bakhshandeh, Aram Rostami. International Journal of Radiation Research - 2021.

4- Effectiveness of rectal displacement devices during prostate external-beam radiation therapy: A review M Sanei, H Ghaffari, MA Ardekani, SR Mahdavi, B Mofid, Aram Rostami. Journal of Cancer Research and Therapeutics – 2021 .

5- Novel treatment setup for urethral carcinoma radiotherapy: A complete response case report SH Molana, Aram Rostami*,, B Khajetash, FA Kalati, A Tavakol, H Zandi, Clinical Case Reports - 2020 (*corresponding author)
6- Early experiences of establishing telemedicine in the radiotherapy physics department at the time of the COVID-19 outbreak: When less staff is more effective Aram Rostami, M Akbari, SH Molana, M Sanei, FA Kalati, M Tajvidi, Informatics in Medicine Unlocked – 2020.
7- Rectal retractor application during image-guided dose-escalated prostate radiotherapy SR Mahdavi, H Ghaffari, B Mofid, Aram Rostami, R Reiazi, L Janani. Strahlentherapie und Onkologie – 2019.
8- Use of artificial neural network for pretreatment verification of intensity modulation radiation therapy fields SR Mahdavi, A Tavakol, M Sanei, SH Molana, F Arbabi, Aram Rostami*,The British Journal of Radiology - 2019 (*corresponding author).
9- Application of rectal retractor for post-prostatectomy salvage radiotherapy of prostate cancer: a case report and literature H Ghaffari, M Afkhami Ardekani, SH Molana, M Haghparast, Aram Rostami. Clinical Case Reports – 2019.
10- 2D dose reconstruction by artificial neural network for pretreatment verification of IMRT fields SR Mahdavi, M Bakhshandeh, Aram Rostami*. Journal of Medical Imaging and Radiation Sciences - 2018 (*corresponding author).

Dr.Arun Chougule

- Dean and Chief Academic Officer Swasthya Kalyan Group, Jaipur

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Dr. Arun Chougule is the Dean & Chief Academic Officer at Swasthya Kalyan Group of Institutes, Jaipur and Ex. Senior Professor and Head of Department of Radiological Physics, SMS Medical College & Hospitals, Jaipur, Ex. Pro Vice Chancellor, Rajasthan University of Health Sciences and Dean Faculty of Paramedical Science, Jaipur India. He has 39 years of professional and teaching experience in medical physics. He is considered as one of the pioneers in radiation experiment dosimetry and radiobiology in India. He has been on many significant positions and member to countless committee and organizations. He is Chair of education and training committee of International Organization of Medical Physics (IOMP), Chairman IOMP Accreditation Board. He is a member of the Board of Directors of the International Medical Physics Certification Board [IMPCB]. Currently he is immediate past President of Asia-Oceania Federation of Organization for Medical Physics (AFOMP) and past President of Association of Medical Physicist of India (AMPI). He has more than 165 publications in national and international journals and has presented more than 380 papers in national and international conferences. He has authored two books and edited 3 books. His research interests include radiation biology, experimental dosimetry in teletherapy, radiation safety and protection in radiology and radiotherapy, QA-QC in Radiology.

He has served as an expert to IAEA and has been regular associate to ICTP for 8 years. He has done a significant work for radiation safety Training programs of VLIR, Belgium, as key resource person for many years. He is recipient of CAS-TWAS, TWAS-UNESCO, APCASOT, UICC fellowships. He has been awarded with numerous awards mainly IOMP-IDMP 2016 for contribution of Medical Physics, AFOMP Member Excellent Presentation Awards, Outstanding Faculty award 2019 SMS Medical College, Govt. of Rajasthan, Dr. Farukh Abdulla Sher – e- Kashmir best researcher award for 2011-12. Recently he has been awarded as AFOMP outstanding medical physicists 2020 for his contribution to Medical Physics education, research, and professional development. His contribution to health sciences is recognised by awarding him a prestigious fellow of National Academy of Medical Sciences- FAMS in 2020. He has been awarded Fellow of IOMP- FIOMP in 2021. Prestigious Prof N.C Singhal Oration award 2019 and Prof L.S. Ramaswamy Oration award 2022.

He is associated with over 27 national and international scientific organizations, Associate editor of 4 international journals and editorial board member of many journals. He is associate with many NGO's working in the field of cancer awareness. He has travelled across the world very widely.

ISRO Iranian Society of Radiation Oncology

Dr. E. Ishmael Parsai

- Ph. D. in Medical Sciences
  (Concentration in Radiation Oncology Physics).
- Professor of Radiation oncology,
  University of Toledo Health Science Campus.

Positions:

- Professor of Radiation oncology and Director of Graduate Medical Physics Program and Chief of Medical Physics Division
  University of Toledo Health Science Campus (2006– present)
- Oral Examiner; American Board of Radiology (2006 – present)
- Associate Editor, Medical Dosimetry Journal (2023 – present)
- President, Society of Directors of Academic Medical Physics Programs (2018 –2019)
- A member of editorial board for EMITEL, the international Medical Physics Dictionary that has nearly 6000 words translated to some 32 languages. We translated to PERSIAN Language. (2013 – 2017)
- Ph. D. in Medical Sciences (Concentration in Radiation Oncology Physics)
  University of Toledo Health Science Campus, Toledo, Ohio. 1995
- Completed requirements (all but dissertation) toward Ph.D. in Nuclear Physics 1988
  University of Missouri, Columbia (UMC), & Missouri University Research Reactor (MURR).
  Master of Science in Medical Physics, University of Missouri, Columbia, Missouri. 1985
- Master of Science in Nuclear Physics, University of Missouri–Kansas City, Kansas City, Mo. 1983
- B.S. in Electrical Engineering. Kansas State University, Manhattan, Kansas.1980

Current research:

- A Machine Learning Based Planning Quality Evaluation Tool for Radiosurgery of Multiple Intracranial Metastases Treated With Volumetric Modulated Arc Therapy. (April 2020).
- Applications of a Rectal Retractor in Radiotherapy Treatment of Pelvic Tumors. (June 2018).
- Retrospective Analysis of 3–Dimensional Pancreas Matching Based on Bone and Soft–Tissue Alignment. (August 2018).

Published book:

- E. Ishmael Parsai, Ana Isabel Bejarano Buele; "A Practical Guide to Inversely Optimized Treatment Planning"; ISBN hard cover: 978−1−951134−20−4; ISBN eBook: 978−1−951134−21−1; Medical Physics Publishing, in print September 2023.

Awards:

- 2014: Recipient of the College of Medicine and Life Sciences Dean's Award for Excellence in Clinical Research. University of Toledo.
- 2009: Recognition Plaque Awarded at the World Congress for Medical Physics Annual Meeting in Munich for 9 years of Service as the Editor of the Medical Physics World, the IOMP Bulletin

Main inventions and patents:

1. Flattening Filter Free (FFF) Linear Accelerator for Advanced External Beam radiotherapy.
2. Intracavitary Radiation System Description: A New GYN Catheter System for Delivery of High Dose rate Brachytherapy.
3. Unfiltered Radiation Therapy Use of non−uniform photon beam for advanced radiotherapy with the aid of inverse treatment planning system.
4. Expanding Multi−Lumen Applicator Operating Within a Balloon.
5. System for Concurrent Delivery of Thermo Brachytherapy in the Treatment of Cancer.
6. Concurrent Delivery of Interstitial Thermo Brachytherapy (Hyperthermia and Brachytherapy) in Treatment of Cancer.
7. Using Shaped Memory Alloy (SMA) Manufactured From Nitinol material as a Rectal Retractor in Radiation Oncology Applications.
8. Dual Branched Shaped Memory Alloy Organ Positioner to Prevent Damage to Healthy Tissue During Radiation Oncology Treatments.

Latest publications:

1 . Taghizadeh, Somayeh, Shvydka, Diana, Shan, A., and Parsai, E. Ishmael; "Optimization and Experimental Characterization of the Innovative Thermo−Brachytherapy Seed for Prostate Cancer Treatment"; Published in Medical Physics, December 2023

2. Salari, Elahheh, Elsamaloty Haitham, Ray, Aniruddha, Mersiha Hadziahmetovic, and Parsai, E. Ishmael; "Differentiating Radiation Necrosis and Metastatic Progression in Brain Tumors Using Radiomics and Machine Learning"; American Journal of Clinical Oncology, Vol. 46 #11:p 486−495, November 2023.
3. Salari, Elahheh, Byrne, Justin, Hadziahmetovic, Mersiha, and Parsai, E. Ishmael; Evaluation of Plan Quality Metrics in Single Isocenter Multiple Targets and Single Isocenter Single Target in the Treatment of Brain Metastases; J Oncology, 3 (1), 1090, May 2023.
4. Akbari, Fatemeh, Taghizadeh, Somayeh, Shvydka, Diana, Sperling, Nicholas, and Parsai, E. Ishmael; "Predicting Electronic Stopping Powers using Stacking Ensemble Machine Learning Method"; Accepted for publication in the Journal of Nuclear Instrumentation and Methods in Physics Research B; January 2023.
5. Salari, Elahheh, Xu, Shuai Kevin, Sperling, Nicholas, Parsai, E. Ishmael; Using Machine Learning to Predict Gamma Passing Rate in Volumetric Modulated Arc Therapy Treatment Plans; Published in Journal of Applied Clinical Medical Physics; December 2022.

6. Xie, Kanru, Shvydka, Diana, Sperling, Nicholas, Salari, Elahheh, and Parsai, E. Ishmael; A Virtual Multi−Featured Single Photon Source and High−Definition Multileaf Collimator for Monte Carlo Modeling of Modern Linac in MCNP5". Submitted to Journal of Technology in Cancer Research & Treatment; May 2022.
7. Saul−McBeth, Jessica, Dillon, John, Launder, Dylan, Hickey Maura, Biswas Priosmita, Salari Elahheh, Parsai, E. Ishmael, Conti, Heather R.; "Radiation Exposure Perturbs IL−17RAMediated Immunity Leading to Changes in Neutrophil Responses That Increase Susceptibility to Oropharyngeal Candidiasis"; Journal of Fungi (MPDI), 8(5), 495; 2022.
8. Parsai, E.I., Salari, E., Shvydka, D., Wan, Jui "Flattened Photon Beams, an Obsolete Feature in Modern LINACS"; International Journal of Radiation Research, Vol 20, #4, October 2022.
9. Salari, E., Parsai, E. Ishmael, Shvydka, D., Sperling, N.; "Evaluation of Parameters Affecting Gamma Passing Rate in Patient−Specific QA's for Multiple Brain Lesions IMRS Treatments" Journal of Clinical Medical Physics, 23(1) e13467, Jan 2022.
10. Saul−McBeth, Jessica, Dillon, John, Kratch, J., Lee, A., Launder, Dylan, Abutaha, E., Williamson, A., Schroering, A., Michalski, G., Biswas, P., Conti, III, S., Shetty, A., McCracken, C., Bruno, V., Parsai, E. Ishmael, and Conti, Heather R.; "Mechanisms of Healing in Oral Mucositis: Surprising Role for IL−17 RA in Regulation of Inflammation"; Frontiers in Immunology, Vol 12, Article 687627, June 2021.

Dr. Mary Joan

- Associate Professor of Radiation Physics Radiological Safety Officer Department of Radiation Oncology Christian Medical College and Hospital Ludhiana, Punjab – 141008 (INDIA).

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Current Position:

Associate Professor of Radiation Physics and Radiological Safety Officer, Department of Radiation Oncology, Christian Medical College and Hospital, Ludhiana (INDIA) 26 June 2021- Present.
Professional Experience: 4th October 2008 – Present.
Teaching experience at the doctoral, postgraduate and the undergraduate levels of medical education.

Areas of Competence:

Radiological Physics, Radiotherapy Treatment Planning, Dosimetry, Quality Assurance, Nuclear Medicine, Radiation Protection, Interventional Radiology, Emergency Management

Research Experience, Publications and Achievements:

- Peer reviewer for 10 international journals and one international newsletter
- Co Editor-in-Chief of SCMPCR newsletter
- Editorial Board member of an international journal
- 4 research projects
- 36 publications and 2 book chapters
- 46 invited talks, 72 presentations
- 9 awards, 4 travel grants, 2 best paper awards, 5 best paper nominations
- 93 conferences attended
- Member of 9 professional bodies
- Holding 3 leadership positions in professional bodies
- 4 professional certificate courses completed.

Leadership For Education, Awareness and Capacity Building:

- Organized 34 CME programmes, conferences, workshops, crash courses promoting education in medical physics, awareness and capacity building as Organizing Chairperson, Organizing Secretary, Scientific Committee Chairperson, organizing committee member and scientific committee member.

Professional Community Service:

- 10 cancer and radiation awareness programmes organized for radiation professionals, health professionals, women health professionals and breast cancer screening programme and awareness talks delivered in the local language to the rural girls and women.

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Dr. Hector Rene Vega-Carrillo

- Nuclear Engineering

Professor Vega-Carrillo has a large experience in research and teaching in nuclear sciences. Vega-Carrillo´s research interests include experimental and computational spectrometry and dosimetry of neutrons and gamma-rays, design of subcritical nuclear reactors using uranium and thorium. He has published more than 200 papers in scientific journals, more than 40 books and more than 400 papers in scientific meetings.

Since 2005 Vega-Carrillo has been the International Scientific Committee and Chairperson of the International Symposium on Solid State Dosimetry (ISSSD). He has been invited professor in universities in Mexico, Spain, Colombia and Peru. Since 1981 he has been faculty member at the Universidad Autonoma de Zacatecas; up to 2023 he was liaison officer by Mexico at the Nuclear Energy Agency. He was co-founder of the Irradiation and Dosimetry Mexican Society (SMID, AC).

Professor Vega-Carrillo is member of the editorial board as managing editor of Applied Radiation and Isotopes and member of the editorial board of Radiation Physics and Engineering and Graduate Journal of Interdisciplinary Research, Reports & Reviews journals. Member of various scientific societies.

Dr. Abdul Sattar Khaled

- Clinical Scientist
  The Christie NHS Foundation Trust — Proton Beam Therapy

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Education:

The NHS Scientist Training Programme, United Kingdom (Medical Physics): Registered Medical Physicist 2013 – 2016
The University of Liverpool, United Kingdom – MSc Clinical Science (Medical Physics) 2013 _ 2016
The University of Manchester, United Kingdom– undergraduate Mphys Physics Upper Second Class. 2009 _ 2013

Awards:

- MEFOMP Presenter Award 2023
  MEFOMP Conference Oman International Speaker award May 2023
- Medical Physicist of The Year 2022
  The National Center for Cancer Care and Research November 2022
- 2nd Best Oral Presentation Award
  The 21st Asia–Oceania Congress of Medical Physics 10–12 December 2021
- Medical Physicist of The Year 2021
  The National Center for Cancer Care and Research November 2021

Publication:

- Rostami A, Neto AJC, Paloor SP, Khalid AS, Hammoud R. Comparison of four commercial dose calculation algorithms in different evaluation tests. Journal of X–ray Science and Technology. 2023 ;31(5):1013–1033. DOI: 10.3233/xst–230079. PMID: 37393487.

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Dr. Giuseppe Felici

- Scientific Director
- Sordina IORT Technologies

Dr. Giuseppe Felici is a medical physicist with dynamic skills in radiotherapy, specifically in the realms of Flash and Spatially Fractionated Radiotherapy. He attained his physics degree from La Sapienza University (Rome), continued on with a Master's course in linac design at Tor Vergata University (Rome), and specialized in Medical Physics at UCSC Gemelli.

He has extensive work experience in the field, being the R&D Manager and Scientific Director at Sordina IORT Technologies S.p.A, has been on the company's Board since 2018.

Since 2020, Felici has held a pivotal role as a member of the International Electrotechnical Commission, dedicated to shaping Medical Linacs Technical Standards. He also became a guest member of the American Association of Physicists in Medicine, dealing with FLASH (ultra-high dose rate) radiation dosimetry. He is also engaged as a stakeholder in the European Project Empire UHDPulse.

Felici has authored more than 40 national and international patents and over 90 scientific publications, with an H-index of 15. He is also the associate Editor of Medical Physics journal.

key Accomplishments:

- Developed a Monte Carlo based software for precise IORT linac dosimetry.
- Designed and patented LIAC HWL technology, enhancing radiation protection for top-tier mobile IORT linacs
- Created the first-ever Treatment Planning System for IORT linacs, enabling 3D imaging via CT and US, along with planification and image guided docking (protected by three patents,
- Designed, engineered and patented the ElectronFlash linac, contributing to the study of the "Flash" Effect in Radiation Therapy.
- Pioneered the IORT Flash medical device, currently pending patent approval
- Designed, tested and validated several Flash dosimeters.
- Successfully secured the EIC Accelerator Grant in 2022 for the 'LIACFlash' project - Established a partnership with HEALITALIA and contributed to the winning PE6 project as part of the Italian PNRR initiative. First step towards Italian Very High Energy Electrons radiotherapy.

Dr. Vincent Gregoire

- Professor In radiation oncology,
  PhD in radiation biology
  Léon Bérard Cancer Center, Lyon (France)

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Prof. Vincent GREGOIRE graduated as a Medical Doctor (MD) in 1987 from the Université Catholique de Louvain in Belgium. He was board certified in Radiation Oncology in Belgium in 1994 and obtained his PhD in Radiation Biology in 1996 after a fellowship at the Netherlands Cancer Institute in Amsterdam (The Netherlands) and at MD Anderson Cancer Center in Houston (USA). Since his return from the USA, Prof. GREGOIRE was appointed at the Academic Hospital of the Catholic University of Louvain in Brussels (Belgium) where he was the Director of the Center for Molecular Imaging, Oncology and Radiotherapy, Full Professor in Radiation Oncology, and Head of Clinic in the Department of Radiation Oncology. From May 1st 2018, Prof. Vincent GREGOIRE is the Head of the Radiation Oncology Dept. at the Léon Bérard Cancer Center in Lyon (France). He coordinates the Head and Neck Radiation Oncology program where the publication of the consensus guidelines for selection and delineation of target volumes brought him worldwide recognition. Beside his clinical activities, Vincent GREGOIRE has been running a translational research program on tumor microenvironment, on the integration of functional and molecular imaging for treatment planning, and on the molecular basis of increased radiosensitivity in HPV-infected cells. Vincent GREGOIRE has directed or codirected 15 PhD theses and has authored or co-authored more than 330 peer-reviewed publications and 20 book chapters. He has delivered close to 1000 abstract presentations, lectures or teaching seminars worldwide, including award lectures such as the IFHNOS KK Ang lecture in 2014 and the Blair Hesketh BAHNO Memorial Lecture in 2015. He is member of the editorial board of Radiotherapy & Oncology and is a member of numerous scientific societies, including ASTRO and ESTRO, on which he serves on various committees. He has been the President of ESTRO from 2007 to 2009. Vincent GREGOIRE is the past vice-President of the board of EORTC, past-Chairman of the Radiation Oncology Group of the EORTC and of the Head & Neck group of the EORTC. Vincent GREGOIRE was acting chairman of an ICRU Report Committee on “dose prescription, specification and reporting in IMRT”. He has been nominated chairman of ICRU in October 2018. In 2008, he was awarded Honorary Fellow of the British Royal College of Radiology, and in 2016 Honorary Fellow of the Irish College of Radiology. In 2014 he received the Breur Award from ESTRO and in 2015, he was awarded Honorary ESTRO Physicist. In 2018, he received the Jens Overgaard legacy award from ESTRO.

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Dr. Jesper Grau Eriksen

- Senior consultant at the Department of Oncology and professor at Dept. of Experimental Clinical Oncology Aarhus University Hospital

Jesper Grau Eriksen is 55 years old, graduated from University of Southern Denmark in 1996 and became a specialist in clinical oncology in 2008. He received his PhD in 2004 from University of Aarhus. Present position is as senior consultant at the Department of Oncology in the head and neck cancer team and as professor at Dept. of Experimental Clinical Oncology, both positions at Aarhus University Hospital.He is an active member of the Danish Head and Neck Cancer group (DAHANCA) and board member of the Scandinavian Society of Head and Neck Oncology (SSHNO). He has for many years been involved in post-graduate training on a national and international basis and is at present chair of ESTRO Educational Council and director of the ESTRO School of Radiotherapy and Oncology.Jesper Grau Eriksen's research has all the years focused on clinical and biological aspects of head and neck cancers as well as educational perspectives. He is supervisor of 12 current or former PhD students and he has >150 publications, mostly in peer-reviewed journals with a Scopus H-index of 31. He has >250 conference abstracts as either oral or poster presentations.He received the Professor Carl Krebs Honory Award in 2017. He is honorary member of the Spanish Society of Radiation Oncology (SEOR) 2017 and recipient of the ESTRO Emmanuel van der Schueren medal 2021. In 2023 he received the European Head and Neck Society (EHNS) Merit Award.

Prof. Pedro Carlos Lara, M.D., Ph.D.

- Radiation/Clinical Oncologist

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Actual positions

- Director Canarian Comprehensive Cancer Center, San Roque University Hospital, Las Palmas
- Head of Department of Oncology, Canarian Comprehensive Cancer Center, San Roque University Hospital, Las Palmas,
- Full Professor and Chair Oncology and Radiotherapy Universidad Fernando Pessoa Canarias
- Director Canarian Institute for Cáncer Research
- President Radiation Oncology National Commission, Spanish Government Ministry of Health
- President Radiotherapy & Radiation Oncology Section European Union of Medical Specialties

Education:

- 1985 completion of medical studies at the University of Granada. Spain
- 1988 Ph.D. thesis University of Granada, Spain
- 1990 Radiation/Clinical Oncology specialist Granada University Hospital, Spain

Professional experience/appointments:

- 1983-87 Research student/fellow Oncology Granada University Hospital, Spain 1987:1991Training in Radiation Oncology, Granada University Hospital, Spain
- 1987: Visiting trainee in Instituto de Tumori di Milano, Italy
- 1988: Visiting trainee in MD Anderson Cancer Center, USA
- 1990: Visiting trainee in Academisch Medisch Centrum, The Netherlands
- 1991-2008: Consultant Radiation Oncologist, Las Palmas University Hospital, Spain
- 1991-1995: Associate Professor of Radiation Oncology Las Palmas University, Spain
- 1995 Fellow Traslational Research, NKI, The Netherlands
- 1996: Full Professor of Radiation Oncology, Las Palmas University, Spain.
- 2001-onwards Member Canarian Institute for Cancer Research,Spain
- 2009-2018: Head, Radiation Oncology, Las Palmas University Hospital. Spain
- 2011-2016: President Ethic Committee Las Palmas University Hospital,Spain
- 2011-onwards: Director and Patron Canarian Institute for Cancer Research,Spain
- 2013-2018: Full Professor and Chair of Clinical Oncology and Hematology Las Palmas University, Spain.
- 2015-2021: Director University Oncology Campus, SEOR/Francisco de Vitoria University Madrid Spain.
- 2018-onwards. Full Professor and Chair of Oncology and Radiotherapy Hematology Fernando Pessoa Canarias University ,Spain .

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- 2018-onwards. Head, Oncology Dept, San Roque University Hospital. Spain
- 2018-onwards.Director Canarian Comprehensive Cancer Center

Professional membership & associations:

- ASEICA(Spanish Assoc Cancer Research)
  2008-12: Board of Directors
- EACR (European Organization for Cancer Research)
  2009-Onwards:Member
- ESTRO (European Society for Radiotherapy and Oncology)
  2015-to date: ESTRO Grants Committee
  2015-to date: ESTRO Clinical Committee Member
  2015-to date: ESTRO National Societies Committee Member
  2018-onwards: HERO-ESTRO Spain Initiative Member
- EORTC (European Organization for Research and Treatment of Cancer)
  2013-to date: EORTC Radiation Oncology, Gynecology, Urology Groups Member
  2015-to date: Liason member steering committee GU group
  2014:EORTC GYN Group Meeting Las Palmas Local Organizer
  2015:EORTC ROG Group Meeting Las Palmas Local Organizer
  2017:EORTC GU Group Meeting Las Palmas Local Organizer
  SEOR (Spanish Society Radiation Oncology)
  2013-2015: SEOR Vice-president
  2015-17: SEOR President
  2017-2019: SEOR: Past President
  2017-2021: Director Oncology University Campus SEOR//Fancisco de Vitoria University.
- SEOC: (Spanish Society Clinical Oncology)
  2015-Onwards: SEOC. Founder
  2015-Onwards: SEOC. Secretary
- FESEO (Spanish Federation of Oncological Societies)
  2017-2019. Vice-president
- Spanish Government Ministry of Health,
  2018-onwards. President Radiation Oncology National Commission
- UEMS (European Union of Medical Specialties)
  2016-Onwards: UEMS Spanish representative Radiation/Clinical Oncology
  2018-Onwards.President UEMS Radiation/Clinical Oncology Group

Research:

(Pubmed Lara PC, also Lara P,Lara-Jimenez, PC) H Index Web Of Science:27

> 100 indexed publications

> 300 Meeting participations

12 PhD students promoted

Member of the editorial board of Radiation Oncology, Reports of Practical Oncology and Radiotherapy, Clinical Traslational Oncology and Clinical and Traslational Radiation Oncology journals. He is actively publishing and reviewing scientific articles for several journals and participating in national and international scientific, educational and research meetings.

Fossati Piero

- Full professor of Radiation Oncology
  Karl Landsteiner Medical University, Krems, Österreich

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Education

- 1991-1997:"La Sapienza" University of Rome - Electronic Engineering, Rome, Italy
- 1997-2002: "La Sapienza" University of Rome – Medicine and Surgery, Rome, Italy
- 2002 – 2006: University of Milan – Residency in radiation oncology, Milan, Italy

Clinical and scientific activity

- Jan 1998 – Apr 1998: Istituto superiore di sanità, Rome, Italy- Researcher
- Nov 2006 – Oct 2009: University of Milan – Medicine and Surgery, Milan, Italy
- Research fellowship on project : "precision radiotherapy and hadrontherapy. Image guided radiotherapy (IGRT) techniques implementation"
- Nov 2009 – Jul 2017 University of Milan – Medicine and Surgery, Milan, Italy
  Full time employment as researcher
- Oct 2005 – Jul 2017: Fondazione CNAO, Milan, Italy
  Scientific and clinical cooperation with CNAO Foundation
- Nov 2006 –Aug 2007: CDI (Centro Diagnostico Integrato), Milan, Italy
  Cooperation with the' Cyberknife' department for clinical trials design
- Jan 2012- Jul 2017: European Institute of Oncology, Milan, Italy
  Member of radiation oncology department clinical staff
- Oct 2017- Present: EBG MedAustron GMBH, Wiener Neustadt, Österreich
  Scientific Director, Director of the Carbon Ion Program
- Oct 2022- Present: Karl Landsteiner Medical University, Krems, Österreich
  Full professor of Radiation Oncology

International cooperation:

- Sep 2007 – Dec 2007: National institute of Radiological Science, Chiba, Japan
  Fellow at the hadrontehrapy department
- Apr 2009 –Aug 2009: National institute of Radiological Sciences, Chiba, Japan
  Fellow at the hadrontehrapy department
- Mar 2012 –Nov 2012 Belgian Hadron Therapy Center, Brussels, Belgium
  Member of the international experts group
- Oct 2014 – May 2015 Member of the "experts group", co-author of the IAEA report on "Particle Therapy in 21st Century: Relevance to Developing Countries", Austria
- Nov 2016 – present Chairman of the scientific advisory board of WPE (West

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German Proton Therapy Centre in Essen), Essen, Germany

- Jan 2016 – April 2020 External supervisor in the PhD program of the Faculty of Medicine and Dentistry, University of Bergen, and Haukeland University Hospital on the topic: "Accuracy of clinical dosing of carbon ion radiation", Bergen, Norway
- 2016 – 2019 Member of the ICRU (International Commission on Radiation Units and Measurements) report committee 22 and co-author of the ICRU Report 93 on " Prescribing, Recording, and Reporting Light Ion Beam Therapy "

Clinical trials

- Apr 2016 – present: Co-Principal Investigator of the trial: "SACRO Sacral Chordoma: Surgery Versus Definitive Radiation Therapy in Primary Localized Disease"(accruing)
- Apr 2020- present: Principal Investigator of the prospective phase II trial "PARC: Preoperative, proton- radiotherapy combined with chemotherapy for borderline resectable pancreatic cancer" (accruing)
- August 2021- present: Principal Investigator of the prospective phase II trial " Phase II Trial of Hypo-fractionated Highly Conformal Radiotherapy for Locally Advanced Pancreatic Carcinomas" (accruing)

Latest Publications:

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Dr. Cem Onal

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Prof Cem Onal is the founder physician of the Radiation Oncology Department at Baskent University Adana Dr Turgut Noyan Research and Treatment Center, where he also serves as Chair and Professor. Prof Onal earned his medical degree from Hacettepe University Medical School in Ankara, Turkey in 1999 and completed his residency in radiation oncology at Hacettepe University School of Medicine in Ankara in 2004. He established Radiation Oncology units in 2006 in Adana, 2017 in Iskenderun, and 2020 in Ankara. Prostate cancer, breast cancer, and gynecological malignancies are his primary areas of interest. He has extensive experience treating prostate cancer with intensity modulated radiotherapy and image guided radiotherapy, as well as brachytherapy for gynecological tumors, stereotactic radiotherapy, and radiosurgery. He is the director of the MR-Linac unit and has extensive experience using MR-Linac to treat prostate cancer and abdominal tumors. He also has extensive experience with computed tomography-guided brachytherapy, intensity modulated radiotherapy, image-guided radiotherapy, stereotactic body radiotherapy/radiosurgery, and helical tomotherapy. He has more than 200 publications in international and national journals. Additionally, he has over 380 international and national abstracts that have been presented at various scientific meetings. He serves as a peer reviewer for 100 journals. He lectures on new radiotherapy facilities in national and international course programs.

Giuseppe Curigliano

- M.D. Ph.D. Full Professor of Medical Oncology
  University of Milano

The Eighth International Clinical Oncology Congress

Giuseppe Curigliano, M.D. Ph.D. is a distinguished Full Professor of Medical Oncology at the University of Milano. He serves as the Head of the Division of Early Drug Development at the European Institute of Oncology in Milan and is a Fellow of the European Academy of Cancer Sciences. With a strong focus on translational cancer research, he has made significant contributions to clinical practice guidelines and treatment strategies, especially for breast cancer. Identified as Clarivate™ world's most influential researchers in 2022, Dr. Curigliano has published numerous research articles and editorials, and is mainly active within clinical trials with strong translational research. One of his current projects aims to identify a new potential tool for a better selection of high-risk patients eligible for post neoadjuvant investigational drugs and a new surrogate for neoadjuvant drug efficacy for TNBC, by evaluating magnitude of lymphocytic infiltration in the residual disease after NACT. As a member of the scientific advisory board of the BIG and ESMO, he is actively involved in the "Developing Countries Task Force", aimed to develop academic clinical research within India to build an internationally competitive clinical research network. He also has established active collaborations with cancer centers in Argentina, Brazil, Egypt and Libia.

Education:

- 1993: Medical degrees with Summa cum laude honours from Università Cattolica del Sacro Cuore, Policlinico Gemelli, Roma
- 1998: Specialist Qualification with honours in Medical Oncology from Università Cattolica del Sacro Cuore, Policlinico Gemelli, Roma
- 2006: PhD with Summa cum laude honours in Clinical Pharmacology from Università di Pisa
- 2012: MSc with Summa cum laude honours in Health Management from Università Cattolica del Sacro Cuore, Milano

Editorial Board Member:

- ESMO Open (Editor in Chief)
- Cancer Treatment Review (Co-Editor in Chief)
- The Breast (Co-Editor in Chief)
- European Journal of Cancer (Associate Editor for Breast Cancer Section)

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- Current Opinion in Oncology (Associate Editor for Breast Cancer Section)
- The Oncologist (Associate Editor for Breast Cancer Section)
- Cardio-Oncology (Associate Editor)
- Journal of Clinical Oncology (Breast Cancer Editor)
- Annals of Oncology (Breast Cancer Editor)
- OncoReview (Associate Editor)
- Current Opinion in Oncology (Associate Editor for Breast Cancer Section)
- Breast Cancer Research and Treatment (Medical Oncology Editor)

Annete Haworth

- Director, Institute of Medical Physics, School of Physics
- Director, postgraduate Medical Physics programme
- University of Sydney

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I am an ACPSEM certified medical physicists (Registration number R00005), accredited in Radiation Oncology Medical Physicist and have more than 25 years clinical and research experience. My PhD (awarded with distinction) involved development of bio-effect models in prostate cancer radiotherapy. After developing the first Australian program for prostate cancer therapy with permanently-implanted radioactive seeds, I maintained a focus on prostate cancer radiotherapy, and in 2010-2014 successfully lead a PdCCRS funded project to further develop the bioeffect model for focal brachytherapy, establish imaging protocols to extract data to inform the model and develop software to automate treatment planning for brachytherapy and external beam radiation therapy using the bio-effect model. I lead a research team with multiple national and international collaborations, 5 post-doctoral fellows and 12 PhD students. I have received several competitive grants including an NHMRC project grant (2016) to further the development of the "BiRT" project. The BiRT project will develop imaging biomarkers to provide quantitative tumour characteristic descriptors to inform a biological model for radiotherapy treatment planning and treatment response in multiple tumor site including prostate, liver, colorectal cancer and breast. I have had significant involvement in the design, management and quality assurance of clinical trials. I am a Life Member of TROG, and member of the Board of Directors. I was a member of the Scientific Committee for 10 years and have led the QA program for several trials. I am the principal investigator for the SI-BiRT (sequential imaging in biofocussed radiotherapy) clinical trials (ANZCTR UTN U1111-1221-9589).Since August 2023 I have taken on the conjoint role of Director, Radiation Oncology Medical Physics at Westmead and Blacktown Hospitals. The service provides a full range of high-quality radiation therapy treatments with a team that is actively engaged in further developing its reputation as a world leader in radiation oncology related research and development.

Education:

- 2005: PhD, awarded with distinction, University of Western Australia.
  Subject of thesis: post implant dosimetry and evaluation of implant quality in I-125 prostate implants
- 1997: MSc by research, University of Western Australia.

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Subject of thesis: Investigation, dosimetry and optimisation of dose delivery techniques for total body irradiation

- 1981: BSc (Hons) in Physics, Leeds University (UK).

Book chapters:

1. Annette Haworth and Geoffrey Ibbot. Medical Physics for Clinical Trials. Modern Technology of Radiation Oncology, Volume 3 (Ed.: J Van Dyk) Chapter 15. Medical Physics Publishing, Wisconsin 2013, ISBN 978-1-930524-57-6, pp. 487-511.
2. Tomas Kron and Annette Haworth (editors). Proceedings of the XVII International Conference on the Use of Computers in Radiation Therapy (ICCR 2013), 6–9 May 2013, Melbourne, Australia. Journal of Physics: Conference Series 489 (2014)
3. Wong JHD, Haworth A, Marques da Silva AM et al. Medical Physics During the COVID-19 Pandemic (Ed: KH Ng and MS Stoeva) Chapter 5. CRC Press 2021 , ISBN: 978-0-367-69375-6 pp. 36-46
4. IAEA Training Course series 56(Rev.1) Postgraduate Medical Physics Academic Programmes IAEA, Vienna, 2021 ISSN 1018–5518. Expert consultant for contribution and review.

Akbar Beiki-Ardakani

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Education:

- Clinical Physicist Residency program at Princess Margaret Hospital (Jan 2004 – Dec 2005).
- Radiation Science Program, Radiation Therapy, Michener Institute and University of Toronto (1999-2000).
- Satisfied all courses required for Ph.D program in Physics, Shiraz University, Shiraz, Iran (1988-92).
- M.Sc. in Applied Physics & Astrophysics, Shiraz University, Shiraz, Iran (1984-87).
- B.Sc. in Physics, Shiraz University, Shiraz, Iran (1979-84).

Latest research and projects:

- Asymmetric Loading of Radioactive 125Iodine Plaques in the Treatment of Uveal Melanoma (Presented at International society of Ocular Oncology Biennial conference 24-28 March 2017 Sydney Australia, Presented by Wantanee Dangboon)
- Commissioning of Pinnacle TPS for Eyeplaque planning, 2017
- CT Imaging for Penile Brachytherapy, (presented at ASTRO 2014, San Francisco, US)
- MR-based rectal applicator reconstruction in HDR rectal brachytherapy, (presented at ESTRO 2012 Barcelona, Spain)
- Catheter position validation using online x-ray guidance for MRI-based HDR prostate brachytherapy with J. Abed and et al (presented at 17th ISRRT World Congress and the 70th CAMRT Annual General Conference to be held in Toronto, June 7-10, 2012).
- Retrorespective study of uniformly loaded plaque in Juxtapapillary Choroidal Melanoma to re-evaluate minimum tumor margin dose requires in COMS protocol (presented in AAPM 2010, Philadelphia)
- Technique for Accurate GTV Definition in MR-Guided HDR Prostate Brachytherapy with Jenny Lee, M.Math, Kristy Brock, Ph.D, and other (presented at ABS 2010 Chicago, USA)
- Improving Quality assurance for COMS eye plaque using pinhole gamma camera. An imaging technique and an exposure rate technique has been proposed to enhance the quality assurance for EPT by detecting discrepancy in seed loading due to human error or other factors (. Med. Phys. 35 „10..., October 2008).

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- Verification and performance testing of IGTX in delivery of junction fields using polymer gel. Two tests have been performed on this subject and results show IGRT has same accuracy as conventional laser set up for junction delivery (The results for this project presented at IOMP 2005 Germany and DRO Research Day, Toronto 2005).

Latest publications:

- M. Arjmand, F Ghassemi , P. rafiepour, H. Poorbaygi, A. Beiki-ardakani, et al, " Dosimetric Investigation of Six Ru-106 Eye Plaques by EBT3 Radiochromic Films and Monte Carlo Simulation", J Biomed Phys Eng, 2022/1/19
- Ghassemi F, Sheibani S, Arjmand M, Poorbaygi H, Kouhestani E, Sabour S, Samiei F, Beiki-Ardakani A, Jabarvand M, Sadeghi Tari A. "Comparison of Iodide-125 and Ruthenium-106 Brachytherapy in the Treatment of Choroidal Melanomas" Journal of Clinical Ophtalmology. Vol 14, 2020 Feb, P 339-346
- Weersink RA, Patterson S, Ballantyne H, Di Tomasso A, Borg J, Vitkin A, Rink A, Beiki-Ardakani A. "An improved treatment planning and quality assurance process for Collaborative Ocular Melanoma Study eye plaque brachytherapy". Brachytherapy. 2019 Jun 21
- Rachel Gerber, A. Rink, J. Croke, J. Borg, Akbar Beiki-ardakani, "Comparison of dosimetric parameters derived from whole organ and wall contours for bladder and rectum in cervical cancer patients treated with intracavitary and interstitial brachytherapy",. Radionther Oncol. 2018 Jun;127(3):456-459
- J. Skliarenko, M. Carlone, K. Tanderup, M. Milosevic, Akbar Beiki-ardakani, et all. "Technique adaptation, strategic replanning, and team learning during implementation of MR-guided brachytherapy for cervical cancer", Brachytherapy, 2018 Jan-Feb; 17(1):86-93
- Jessica Convet, Kathy Han, Rachel Gerber, Akbar beiki-ardakani, et al. "Patient-reported sexual adjustment after definitive chemoradiation and MR-guided brachytherapy for cervical cancer". Brachytherapy 2019 Mar-Apr;18(2):133-140
- Sanmamed N, Berlin A, Beiki-Ardakani A, Ballantyne H, Simeonov A, Chung P. "Magnetic Resonance Imaging-guided Brachytherapy Re-irradiation for Isolated Local Recurrence of Soft Tissue Sarcoma". Cureus. 2018 Apr 10;10(4)
- Dose-Volume Parameters and the Development of Late Bladder and Rectal Toxicity after MRI-Guided Brachytherapy for Locally Advanced Cervix Cancer. Accepted for publication in Brachytherapy Journal(2017) with Kathy Han et al