



Curriculum Vitae

PERSONAL INFORMATION

Dr. Mohammad Abdalla Aljamal



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Sex Male | Date and place of birth 4/07/1981 Iraq |
Nationality Palestinian

EDUCATION

- 01/9/2010 – 1/09/2013** Ph.D. in Medical Imaging (Radiotherapy Dosimetry), University Sains Malaysia/ Malaysia
- 1/9/2005 – 1/9/2008** MSc. Degree in Medical Radiation, University Sains Malaysia (USM)/ Malaysia
- 2000- 2004** B.Sc. in Medical Radiation from College of Health and Medical Technology/ Baghdad, Iraq.

WORK EXPERIENCE

- Aug. 2018 to present time** Dean Assistant, Faculty of Allied Medical Sciences
- Sept. 2014 to Aug. 2019** Chairman of Medical Imaging Department, Arab American University/Jenin/ Palestine.
- Sept. 2008 to present time** Works as a lecturer at The Arab American University/Jenin/ Palestine.

SCIENTIFIC PUBLICATIONS

- *M. Aljamal and A. Zakaria. Percentage Depth dose and Beam profile measurements using CT based gel dosimetry and Monte Carlo simulation, Global Journal on Advances in Pure & Applied Sciences, 07,(2015).*
- *M. Aljamal and A. Zakaria. Evaluating of CT based MAGAT gel dosimetry system for measuring 3D dose distribution, Australian Journal of Basic and Applied Sciences,8 (1), (2014).*
- *M. Aljamal and A. Zakaria. An application of CT based MAGAT gel dosimetry to measure 3D dose distribution, Journal of Innovative Science, Engineering and Technology, 1(9), (2014).*
- *M. Aljamal and A. Zakaria. Monte Carlo Modeling of a Siemens Primus 6 MV Photon Beam Linear Accelerator, Australian Journal of Basic and Applied Sciences, 7(10), (2013).*
- *M. Aljamal and A. Zakaria. "Radiological Properties of MAGIC polymer gel dosimetry" Journal of Physics: Conf. Series 423, (2013).*

PRESENTATIONS AND PARTICAPATION AT CONFERENCES AND WORKSHOPS:

- ❖ Presented a paper entitled "A new tissue-equivalent material applied to radiotherapy treatment dose measurement a feasibility study" at First Palestinian international conference on peaceful uses of Atomic energy, which was held during the period of [19-20/2/2017](#), at Palestine technical university- Kadoorie/ Tulkarm- Palestine.
- ❖ Organizer for "New technologies in Breast cancer detection and treatment workshop" held at Arab American University, [6 Nov. 2016](#).
- ❖ Organizer for the 1st workshop on Medical Imaging technology with cooperation with the Palestinian Association of Medical Radiation Technologist held at Arab American University, [8 Aug. 2016](#).
- ❖ Organizer for the 4th Palestinian Medical Imaging Conference with collaboration with Palestinian medical imaging association which held at Arab American University, [13-14 Aug. 2015](#)
- ❖ Participation in the 8th Pan Arab Radiology Conference (ACR 8), The 10th Jordanian radiology society Conference. [Sept. 10-13, 2015](#). **Amman, Jordan**

- ❖ Mohammad Aljamal and A. Zakaria Percentage depth dose (PDD) and Beam profile measurements using CT based MAGAT gel dosimetry system and Monte Carlo calculation (2015). *World Conference on Health Sciences, Turkey* (paper presentation).
- ❖ Mohammad Aljamal and A. Zakaria. "Comparison of Dose Distributions for 6 MV photon beam in MAGAT gel and Water phantom using Monte Carlo Simulation" (2013). *International Conference on Medical and Health Sciences (ICMHS), Malaysia* (paper presentation).
- ❖ Mohammad Aljamal and A. Zakaria. "Radiological Properties of MAGIC polymer gel dosimetry" (2013). *International conference on Science and engineering in mathematics, chemistry and physics*, Indonesia (paper presentation).
- ❖ Mohammad Aljamal and A. Zakaria. "Monte Carlo simulation of a 6 MV Primus Linac Photon beam" (2012). *8th National Seminar on Medical Physics MAMP. Advances in Medical Imaging and Radiotherapy, Malaysia*. I have been awarded as the winner of the best oral presentation (paper presentation).
- ❖ Mohammad Aljamal and A. Zakaria. "polymer gel dosimetry" (2011). *Transdisciplinary Research Seminar in Medical Radiation and Nanotechnology*, Malaysia (paper presentation).
- ❖ Mohammad Aljamal and A. Zakaria. "Optimization of computed Tomography imaging protocol to extract dose information from gel dosimetry" (2011). *16th National Conference on Medical and Health Sciences, Malaysia* (paper presentation).
- ❖ Mohammad Aljamal. "MAGIC polymer gel dosimetry using x- ray computed tomography: a feasibility study. *2nd USM Penang International Postgraduate Convention 2008 (Health and Medical Sciences Conference)*, Malaysia (paper presentation).

TRAINING COURSES

2/12/2018-6/12/2018	Radiation Safety Officer (RSO) Course at Diagnostic Imaging and Nuclear Medicine Department, King Faisal Specialist Hospital, Riyadh, Saudi Arabia.
1/6/2017-30/6/2017	Clinical Attachment under the international Atomic Energy Agency's (IAEA) Technical Co-operation program at Department of Nuclear medicine and PET imaging, Singapore general hospital, Singapore.
31/12/2015-1/1/2016	Medical physics workshop in Computed Tomography, Medical Education Center, Doha, Qatar
16/6/2015-18/6/2015	Training course "How to read Thermoluminescent dosimeter (TLD)" at Royal Scientific Society, Amman/ Jordan.
18/7/2009-18/8/2009	Training course in Department Nuclear Medicine and PET imaging, King Hussein Cancer Center, Amman / Jordan.
Feb. 2008 –Jun 2008	Training course in Radiotherapy Department (USM Hospital / Malaysia).

TEACHING THE FOLLOWING UNDERGRADUATE COURSES

- Nuclear Medicine
- Magnetic Resonance Imaging
- Radiation protection
- Radiological Physics
- Computed Tomography
- Special procedure
- Radiographic Anatomy
- Musculoskeletal System
- Radiographic positioning & related Anatomy

RESPONSIBILITIES AT THE ARAB AMERICAN UNIVERSITY

- ❖ Head, Scientific, Planning and Development of BSc. programs at Faculty of Allied Medical Sciences.
- ❖ Administrative works
- ❖ Member of College Committee.
- ❖ Academic advisor for students
- ❖ Participate in meeting and events required by college and department.
- ❖ Developing and implementing new methods of teaching
- ❖ Designing, preparing and developing teaching materials
- ❖ Delivering lectures, seminars and tutorials
- ❖ Assessing students' coursework
- ❖ supervising students' research activities

OTHER ACTIVITY

- ❖ I have reviewed the medical imaging curriculum and modified it based on international slandered on 2015, where credit hours for the past curriculum was 144 hr while the new curriculum become 135 hr and I'm responsible in the school to review it every 5 years based on market needs and medical imaging field development
- ❖ I was as an external reviewer for Msc. Degree program In Medical imaging introduced by Al-Quds university.

- ❖ Chairman of Scientific committee of “New technologies in Breast cancer detection and treatment workshop” held at Arab American University, 6 Nov. 2016.
- ❖ Chairman of Scientific committee of 1st workshop on medical imaging Palestinian held at Arab American University, 8 Aug. 2016
- ❖ Chairman of Scientific committee of 4th Palestinian Medical Imaging Conference held at Arab American University, 13-14 Aug. 2015
- ❖ Member of Scientific committee of 1st National Conference on Applied Biomedical Sciences held on April, 2015 at Arab American University.
- ❖ Member of Palestinian Medical Imaging Association

LINGUISTIC SKILLS

- ❖ English Language (very good).