

Khaled Zayed Ali Alawneh, MD

Associate Professor of Neuroradiology
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Faculty of Medicine
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Biography

I was born in Jordan on March 7th, 1976. I received Bachelor degree of Medicine and General Surgery from Kufa University, Iraq in 2001. After graduating, I completed a rotating internship at the Ministry of Health, Jordan. I joined the Royal Medical Services and worked as general practitioner for 18 months. In 2004, I joined four-years-residency training program at the Department of Diagnostic Radiology and Nuclear Medicine – Faculty of Medicine – Jordan University of Science and Technology (JUST). Thereafter, I worked at the National Center for Diabetes and Endocrinology as general radiologist from July 2008 to May 2009. I passed the Jordan Medical Council Exam for Board certificate in Diagnostic Radiology.

I was granted a scholarship from JUST to join advanced training fellowship program in Diagnostic and Interventional Neuroradiology at Carl Gustav Carus University Hospital – Faculty of Medicine – Dresden University of Technology from July 2009 to July 2012 where I returned as a faculty member at the Department of Diagnostic radiology and Nuclear Medicine – Faculty of Medicine - JUST

While I was an assistant professor, I was actively involved in teaching neuroimaging lectures for the 3rd and 5th year medical students as well as radiology residents at the Department of Diagnostic Radiology. Furthermore, I'm actively involved in research as well where I have collaborated with researcher from different institutions. We have developed a software to help in computer aided reporting system for lumbar disc herniation from MRI images (SIFT based ROI extraction for lumbar disk herniation CAD system from MRI axial scans). Also, I have supervised a master student to evaluate the effect of ionizing radiation on thyroid gland of radiology workers and compare it with non-radiology workers in the same hospital. In addition, I have collaborated with Department of Biomedical Systems and Informatics Engineering at Yarmook University to Generate Synthetic-Pseudo MR images from real CT images by mapping the MR image three intrinsic contrast parameters maps with the CT number mean and standard deviation values in the CT image of specific tissues, where the generated three maps are used to simulate the MRI sequence with different weightings depending on the proposed echo and repetition times in order finally to generate the Synthetic MR images. I am also collaborating with researchers from the School of Veterinary Medicine to evaluate the effect of certain heavy metals in laboratory animals and to characterize microRNAs in experimentally induced brain ischemia in dogs.

Education

Fellow of Diagnostic and Interventional Neuroradiology. July 2009-July 2012 Department of Neuroradiology.

Faculty of Medicine Dresden University of Technology, Germany.
Carl Gustav Carus University Hospital.

Board Certificate in Diagnostic Radiology.

Jordan Medical Council, Jordan.

September 2009

High Specialty Degree in Diagnostic Radiology.

Department of Diagnostic Radiology and Nuclear Medicine.
Faculty of Higher Education.
Jordan University of Science and Technology, Jordan.

July 2004-July 2008

General Practitioner Licensing Examination.

Jordan Medical Council, Jordan.

September 2002

Bachelor of Medicine and General Surgery.

Faculty of Medicine.
Kufa University, Iraq.

1994- June 2001

Professional Experience

Associate Professor.	2018 - Present
Assistant Professor. Department of Diagnostic Radiology and Nuclear Medicine. Faculty of Medicine. Jordan University of Science & Technology, Irbid, Jordan.	2012- 2018
General Radiologist. Department of Radiology. National Center of Diabetes and Endocrinology , Amman, Jordan.	July2008 -May 2009
Radiology resident Doctor. Department Of Diagnostic Radiology and Nuclear Medicine. Faculty of Medicine. Jordan University of Science & Technology, Irbid, Jordan.	July 2004-July 2008
General practitioner Royal Medical Services, Jordan.	2002- 2003
Intern. Ministry of Health, Jordan.	2001- 2002

Membership in Professional / Scientific Societies

Jordanian Medical Association	2001 to present
The European Society of Neuroradiology	2012 to present

Continuing Education

1. Live Interventional Neuroradiology, Neurology and Neurosurgery Course, LINNC, Paris, France. 2013, 2014, 2015 and 2016.
2. World Live Neurovascular Course, WLNC, Budapest, Hungary 2018.

Workshop Attended

1. Statistical Data Analysis using Minitab. Academic Development and Quality assurance Center, Jordan University of Science & Technology. 2017.
 2. Online Learning Design. Academic Development and Quality assurance Center, Jordan University of Science & Technology. 2018
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Publications in Refereed Journals

1. **Khaled Alawneh**, Liqaa Raffee and Shadi Hamouri (2017) Delayed Endovascular Stenting of Right Subclavian Artery Pseudoaneurysm Caused by Gunshot Accident in a Syrian Refugee: A Case Report. American Journal of vascular and endovascular surgery.
2. **Khaled Alawneh**, Musa Alshehabat, Hytham Al-Ewaidat, Liqaa Raffee, Duaa Forihat and Yousef Khader (2018) Asymptomatic Effect of Occupational Radiation Exposure on Thyroid Gland Hormones and Thyroid Gland Ultrasonographic Abnormalities. Journal of Clinical Medicine.
3. **Khaled Alawneh**, Liqaa Raffee, Haytham A. Al Ewaidat and Ahed J Alhatib (2018) The impact of exposure to medical radiation on Lead and thyroid function test. Accepted, Research Journal of Medical Science.
4. **Khaled Alawneh**, Mays Al-dwiekat, Mohammad Alsmirat and Mahmoud Al-Ayyoub (2015) Computer-aided diagnosis of lumbar disc herniation. Published in: Information and Communication Systems (ICICS), 2015 6th International Conference, Conference paper.
5. Mahmoud Al-Ayyoub, Nusaiba Al-Mnayyis, Mohammad A. Alsmirat, **Khaled Alawneh**, Yaser Jararweh and Brij B. Gupta (2018) SIFT based ROI extraction for lumbar disk herniation CAD system from MRI axial scans. Journal of Ambient Intelligence and Humanized Computing.
6. Haitham Odat, **Khaled Alawneh** and Mohannad Al-Qudah (2018) Facial Nerve Paralysis after Onyx Embolization of a Jugular Pranglioma: A Case Report with a Long Term Follow Up. Journal of Clinical Medicine.
7. Liqaa Abdulridha Raffee, Yousef S Khader, Alaa O. Oteir, **Khaled Z. Alawneh**, Rola S. Saqan, Bronwyn Beovich, Brett Williams (2018) Final Year Dental Students' Perception of Knowledge, Training and Competence in Medical Emergency Management. Global Journal of Health Science.
8. Al Ewaidat, Haytham; Zheng, Xiaoming; Khader, Yousef; Theeb, Mostafa Abdelrahman; Alhasan, Mostafa Khaled Mustafa; Rawashdeh, Mohammad Ahmmad; Al Mousa, Dana Samir; **Alawneh, Khaled Zayed** (2018) Radiation Dose and Image Quality in Adult Computed Tomography Scans. Journal of Medical Imaging and Health Informatics.
9. Liqaa A Raffee, Shaher M Samrah, Hani Najih Al Yousef, Mahmoud Abu Abeleh, **Khaled Z Alawneh** (2017) Incidence, characteristics, and survival trend of cardiopulmonary resuscitation following in-hospital compared to out-of-hospital cardiac arrest in Northern Jordan. Indian Journal of Critical Care Medicine. India.

10. Ahed Jumah Al-Khatib and Lama W. Al-Mehaisen Liqaa A. Raffee , **Khaled Zayed Alawneh** (2016) Overexpression of HSP90 in Skin of Diabetic Rats Impacts Wound Healing Process. Research Journal of Biological Science.
11. MH Al-Omari, A Al-mnayyis, N Obeidat, Z Amarin, F Zayed, L Rousan, H Al-balas, **K Alawneh**, M El-heis, Z Omari, R Hanania (2014) Fallopian tube recanalisation using dedicated radiographic tubal assessment set in angiography suite. Journal of Medical Imaging and Radiation Oncology.
12. Jehan Hamadneh, Ahed Jumah Alkhatib, Geir Bjorklund, Saleh A Alrasheidi, Shereen Hamadneh, Mahmoud Banihani, Liqaa A Raffee, **Khaled Zayed Alawneh** (2014) The Role of Heat Shock Protein 90 in Human Reproduction . Research Journal of Biological Sciences.
13. NM Mhaidat, KH Alzoubi, OF Khabour, **KZ Alawneh**, LA Raffee, ES Alsatari, EI Hussein, KE Bani-Hani (2016) Assessment of genotoxicity of vincristine, vinblastine and vinorelbine in human cultured lymphocytes: a comparative study. Published, Balkan Journal of Medical Genetics.
14. Al Ewaidat, Haytham , **Khaled Alawneh** (2018) The Assessment of Multidetector Computed Tomography. Accepted, Iranian Journal of Radiology.

Research in progress

1. **Khaled Alawneh**, Isam Abu-Qasmieh. Generation of Synthetic-Pseudo MR images from real CT images by mapping the MR image three intrinsic contrast parameters maps with the CT number mean and standard deviation values in the CT image of specific tissues, where the generated three maps are used to simulate the MRI sequence with different weightings depending on the proposed echo and repetition times in order finally to generate the Synthetic MR images.
2. Musa A Alshehabat, **Khaled Alawneh**, Liqaa Raffee. Characterization microRNAs in experimentally induced brain ischemia in dogs
3. **Khaled Alawneh**, Liqaa Raffee, Musa A Alshehabat, A.J. Alkhatib. Characterization of Heat Shock Protein 90 (HSP90), inducible Nitric Oxide Synthase (iNOS) and Vascular Endothelial Growth Factor (VEGF) in the Skin of Diabetic Rats
4. **Khaled Alawneh**, Bashar Abu Zayed, Liqaa Raffee. New Technique in treatment of brain dural Arteriovenous Fistula.
5. **Khaled Alawneh**, Liqaa Raffee Bashar Abu Zayed. Effectiveness of Epidural Injection in cervical and lumbar disc prolapse under CT scan guidance.