



Curriculum Vitae; Dr. Qasim El-Dwairi

Name: Qasim El-Dwairi

Date of Birth: 08/04/1957.

Nationality: Jordanian.

Social Status: Married & have Five Children.

Qualification: **MBBS., Ph.D. (McGill University)**

Present Job Associate Professor (Applied for Professorship).
Anatomy & Cell Biology. Faculty of Medicine

Permanent Address: JUST. Faculty of Medicine. Irbid. PO Box 3030. Irbid
22110. Jordan.

Corresponding Address eldwairi@hotmail.com
eldwairi@just.edu.jo

Education: MBBS. Bangalore University India. 1978-1986 (Language Course, Premedical & Internship Included).

Ph.D. McGill University Montreal Canada. 1993-1998.

Professional Title: Associate Professor. Anatomy Department. Faculty of Medicine. JUST. Jordan. (applied for professorship)

Awards: Jordan-Indian Cultural Scholarship 1978 (MBBS).

JUST Scholarship 1993 Canada.

Certificates and Licensure:

All India Medical Council-1987. Bangalore.

Ministry of Health for Medical Practice-Jordan 1988.

Certificate in Educational Technology-1999.

Certificate in Education Evaluation and Measurement-1999.

Certificate in Basic Medical Education-2001-University of Jordan & WHO.

Certificate in Application of Polymerase Chain Reaction. Yarmouk University Jordan-2003.

Teaching Experience:

Undergraduate Studies: I Coordinated and Instructed the Following Courses:

Medical College

1. **GENERAL ANATOMY: MED112.**
2. **CELL BIOLOGY & HISTOLOGY: MED114.**
3. **CARDIO-VASCULAR SYSTEM: MED262.**
4. **RESPIRATORY SYSTEM: MED252.**
5. **HAEMOPOIETIC & LYMPHATIC SYSTEM:**
6. **MED272.**
7. **GASTRO-INTESTINAL SYSTEM: MED311.**
8. **ENDOCRINE SYSTEM MED321A.**
9. **NEUROSCIENCE (1) MED322.**
10. **URINARY & REPRODUCTIVE SYSTEM MED352A.**
11. **MUSCULO-SKELETAL & INTEGUMENTARY SYSTEM: MED331A.**
12. **NEUROSCIENCE (2): MED332B.**

Dental College

13. **GENERAL ANATOMY & EMBRYOLOGY: MED215A.**
14. **GENERAL HISTOLOGY: MED216**
15. **HEAD AND NECK ANATOMY: MED217A.**
16. **ORAL HISTOLOGY: DENT206.**

Postgraduate Studies

1. **ADVANCED ANATOMY AND CELL BIOLOGY: MED710.**
2. **EMBRYOLOGY: MED711A**
3. **HISTOLOGY: MED712**
4. **CLINICAL ANATOMY: MED712**
5. **MICRITECHNIQUES: MED715**
6. **TEACHING SKILLS: MED763A.**

Allied Medical & Pharmacy

17. **General Anatomy: Pharmacy, Paramedical and Nursing Students.**

Research Interests:

My interest is focused on **Integrated Medical Research** where researchers of different departments work together as one team. This type of research is more suitable to our region because of limitations of research facilities, time and expertise's.

My research activities include:

Functional/Molecular Aspects of Nitric Oxide.

Biology of Reproduction.

Morphology of Neuroanatomy

Genetics Bases of Diseases. (Polymorphism in Lung & Breast (Already graduated master Student. Currently ongoing project with a master student on Polymorphism and Primary Hypertension.

Research Highlights and Methodologies:

My research activities focus on **integrated type of research using various modern technologies**. My interests include:

Role of Intracellular Molecules, Proteins and DNA in Health and Diseases. During my Ph.D. program I completed several

courses on Methodologies in basic Medical Research (48-Credits). I worked also in several laboratories as **biology of reproduction (Dr. Hugh Clarke), Oncogenesis and mutation laboratory (Dr. Allan Peterson), and in cardiology and Intensive Care Laboratory at Royal Victoria Hospital, at Montreal.**

I have gained varied **techniques as protein regulation and characterization.** I have been trained in the methods of different **histological techniques as light and electron microscopy as well as Immunohistochemistry.** I have gained wide experience in the **manipulation of mammalian embryos and In-Vitro fertilization.** During my Graduate research at McGill University I have used different molecular biology and morphological tools in his published research projects (See Publications).

Postgraduate Supervision:

I supervised eight postgraduate students at our department

External Examiner:

I participated as external examiner for many postgraduate students at the Universities of Jordan and Yarmouk.

Other Academic Activities:

1. Modified Medical course “Histology and Cell Biology M 114”, I added two main chapters; Methodologies of Medical Research and Cloning & Stem cell to keep-up with advances in science which was endorsed by medical curriculum committee.
2. Administrative Experiences including chairman of Anatomy department
3. Chairman of Medical Conferences.
4. Coordinator Research committee.

Other Extra-Academic Activities:

1. I was **The Professional Guest at Aljazeera Television** on 15th Feb-2007 Commenting on The Possibility of Complete Separation of Head After Hanging of President Saddam Brother.
2. One of the Founders of Faculty Association of Jordan University of Science & Technology. The association is active in academic and social events
3. Manager & Founder of group on Facebook; “Medical Millennium; updates 2900 members”. The group post advances and discoveries of relevant medical subjects
4. Manager & Founder of group on Facebook “Faculty Members Jordanian Universities 576 members”. The group deal with advances in medical fields and academic issues.

Past Professional Experience:

General Practitioner and Chief Medical Officer Ministry of Health –Jordan 1988-1990.

Teaching Assistant at Dept of Anatomy JUST 1990-1993.

Research Fellow Montreal University 1997-98.

Memberships and Affiliations:

1. Jordan Medical Council.
2. Jordan Higher Council of Science & Technology.
3. All India Medical Council, Past member.
4. North America Anatomist Society, Past member.
5. Meakins-Christie Laboratories (McGill University), Past member
6. American Thorax Society, Past member.

Editor/Reviewer (Ex):

1. Reviewer International Anatomical Sciences.
2. Endocrinology, Past member.
3. Molecular and Cellular Neurobiology, Past member.

Committees:

1. Faculty Research Coordinator.
2. Medical Conferences Scientific Coordinator.
3. Medical Education Curriculum Committee.

4. Departmental Research Committee.
5. Reviewer JUST. Jordan Publication.

Conferences/ Workshops:

1. Participated in several conferences' in several countries

Publications:

1. Endotoxin-induced skeletal muscle contractile dysfunction: contribution of nitric oxide synthases.
El-Dwairi Q, Comtois A, Guo Y, Hussain SN. "Am J Physiol. 1998 Mar; 274(3 Pt):C770-9.
2. Ontogenesis of nitric oxide synthases in the ventilatory muscles.
El Dwairi Q, Guo Y, Comtois A, Zhu E, Greenwood MT, Bredt DS, Hussain SN. Am J Respir Cell Mol Biol. 1998 Jun; 18(6): 844-52.
3. Expression of nitric oxide synthases and GTP cyclohydrolase I in the ventilatory and limb muscles during endotoxemia.
Hussain SN, Giaid A, El Dawiri Q, Sakkal D, Hattori R, Guo Y. "Am J Respir Cell Mol Biol. 1997 Aug.; 17(2): 173-80.
4. Expression of nitric oxide synthases isoforms in normal ventilatory and limb muscles.
Hussain SN, El-Dwairi Q, Abdul-Hussain MN, Sakkal D J Appl Physiol. 1997 Aug; 83(2): 348-53.
5. Exhaled nitric oxide as a marker for serum nitric oxide concentration in acute endotoxemia. Hussain SN, Abdul-Hussain MN, El-Dwairi Q. J Crit Care. 1996 Dec; 11(4): 167-75.
6. Diaphragm sarcolemmal Injury is induced by Sepsis and Alleviated by Nitric Oxide Synthase inhibition.
Lin MC, Ebihara S, El Dwairi Q, Hussain SN, Yang L, Gottfried SB, Comtois A, Petrof BJ. Am J. Respir Crit. Care Med. 1998; 158: 1656-1663.

7. Lipopolysaccharide-induced diaphragmatic contractile dysfunction in mice lacking the inducible nitric oxide synthase. Comtois AS, El-Dwairi Q, Laubach VE, Hussain SN” Am J Respir Crit Care Med. 1999 Jun; 159(6): 1975-80.
8. Long and Short Terms Treatment Effect of Peganum harmala on Female Albino Rats Fertility and Pregnancy. QA El-Dwairi. Asian Journal of Chemistry 19 (5), 3887.
9. Histo-Functional Effects of Peganum Harmala on Female Albino Rats Fertility and Pregnancy. Qasim El-Dwairi Asian Journal of Chemistry Vol.19 No5 (Februray-2007).
10. Effects of Vitamin B12 and Folic Acid on Hyper-Homocysteinemia with acute Myocardial Infarction. Mohammad Khalid Nusier and Qasim Abdel El-Dwairi. Journal of Health Science, 53(1) pp 16-22 (2007).
11. Two Subpopulation of Human Purkinje Neurons; An Electron Microscopy Study. Qasim A. El-Dwairi. Neuroendocrinology Letters in Vol. 28 No.3, June 2007.
12. Histo-Functional Effects of Peganum harmala on Male Rat’s Spermatogenesis and Fertility. Qasim A. EL-Dwairi and Saleh M. Banihani. Neuroendocrinology Letters in Vol. 28 No.3, June 2007.
13. Golgi type 1 and Golgi type II neurons in the Ventral Anterior Thalamic Nucleus of adult Human: Morphological Features and Quantitative Analysis. Saleh M. Banihani and Qasim A. EL-Dwairi . Cell Mol Neurobiol. 2008 May;28(3):411-6. Epub 2008 Feb 9.
14. A New Approach for GenCos Profit Based Unit Commitment in Day-Ahead Competitive Electricity Markets Considering Reserve Uncertainty. Y.Y Yamin, Q. El-Dwairi and S. M. Shahidehpour. International Journal of Electrical Power & Energy Systems 29(2007) 609-616.
15. A Golgi study of the camel cuneate nucleus. The Anatomical Record. 295: 2191-

- 2204.Zaqout SI, Alhussain SM, Al Saffar R and Qasim El Dwairi (2012).
16. Deviation of the fully protracted tongue: is it a reliable indicator for language cerebral dominance?. EQ Abu Ghaida J, Hani SB, Mustafa A Med Hypotheses 83 (3), 270-2
 17. Neuronal cell types in the spinal trigeminal nucleus of the camel brain. QA El-Dwairi, SM Al-Hussain, AS Banihani, ZM Bataineh, L Djouhri, Brain Sciences 13 (2), 312
 18. Morphometric study of foramina transversaria in Jordanian population using cross-sectional computed tomography. QA El-Dwairi, JHA Ghaida, HM Isa, AA Al-Mousa, W Marshdeh, Anatomical Science International 96, 70-78
 19. Medical education across three colleges of medicine: perspectives of medical students. QA El-Dwairi, I Mustafeh, M Khatatbih, MI Malki, AG Mustafa. Heliyon 11426 (DOI: 10.1016/j.heliyon.2022.e11426)
 20. Sildenafil Effect on Testosterone-Induced Prostate Hypertrophy and Relaxation of Urinary Bladder Neck Muscles. Qasim A El-Dwairi, Karem H Alzoubi, Rania Mahafdeh. 025/6/30. Journal Toxicology Reports. Pages 102080
 21. Anatomical variations of the azygos lobe from a developing country population: A computed tomography study Qasim A El-Dwairi 1 , Sakha'a A Twaissi 1 , Kusai M Al-Muqbel 2 , Karem H Alzoubi 3,4 * , Rania Mahafdeh 5. y. Electron J Gen Med. 2025;22(1):emXXX.
<https://doi.org/10.29333/ejgm>

Submitted research papers:

1. XRCC1, ERCC2 Polymorphisms and Susceptibility to Lung Cancer. Qasim El-Dwairi^{1*}, Amjad Mahasneh², and Suhaib Talafhah³.
2. Relationship between cardiovascular risk factors and localization of coronary atherosclerotic lesions.
Qasim El Dwair, Moaath Alzoubi, Khalid Shaker

Referees:

1. Professor Darwish Badran. President Ibn-Sinna University. Anatomy & Cell Biology. The University of Jordan.
dhbadran@ju.edu.jo
2. Professor Ziad Bataineh. Jordan University of Science & Technology (JUST-Jordan).
ziad@just.edu.jo
3. Professor Alain Steve Comtois. University of Montreal.
comtois.alain-steve@uqam.ca

Google scholar link: [Qasim El-Dwairi - Google Scholar](#)
[ResearchGate](#)