

Name: Amjad Shatarat

Date of Birth: 03/12/1974

Nationality: Jordanian

Social status: Married



Qualification: MD., Ph.D. (The University of Nottingham).

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- Education:** M.D. Crimea State Medical University, 2000.
Ph.D. The University of Nottingham UK, 2011.
- Professional Title:** Assistant Professor, Anatomy Department.
Faculty of Medicine. The University of Jordan. Jordan.
- Awards:** Ph.D. scholarship from The University of Jordan 2008.
- Certificates:** Ministry of health for medical Practice-Jordan 2001.
- Teaching experience:** I Coordinated and Instructed the Following Courses:
1. Introduction to Anatomy and Embryology: First-year Medical students.
 2. General Embryology: Second-year Dental students.
 3. Musculoskeletal System: Second-year Dental students.
 4. Anatomy of the Upper and lower limbs: Second-year Dental students.
 5. Anatomy of the thorax and abdomen: Second-year Dental students.
 6. Anatomy of the head and neck: Second-year Rehabilitation students.
 7. Neuroanatomy: Second-year Rehabilitation students.
 8. Human Anatomy and Histology: Second-year Nursing students.
 9. Medical terminology: Premed Medical students.
 10. Human Anatomy and Histology: Paramedical students.
 11. Clinical Anatomy: Residents for Surgery and Orthopedics.
 12. Development of the Skull and Face: Residents for Maxillofacial Surgery.
 13. Anatomy of the limbs: Postgraduate students in Sports
Medicine.
 14. Anatomy of the upper and lower limbs: postgraduate students in Anatomy Masters.

➤ **Research interest, highlights and methodologies:**

Blood vessels are controlled by different mechanisms to regulate the blood flow. One of these important mechanisms that control the activity of the blood vessels is the autonomic mechanism. Autonomic nervous system is heavily involved in the regulation of blood vessels through the release of different neurotransmitters. The most common neurotransmitter among the autonomic neurotransmitters is norepinephrine. However, other neurotransmitters have been shown to play an important role in the regulation of blood vessels. ATP has been shown to be an active sympathetic neurotransmitter in the regulation of blood vessels tone. Recent studies have shown that the role of ATP is however underestimated especially under the traditional conditions (basal tone) of tone. Raising the tone of blood vessels using different vasocontractile agents such as U46619 revealed that ATP became the main neurotransmitter mediating the vasocontractile responses. My work is focusing on conducting further investigations to examine the role of ATP as a sympathetic neurotransmitter in blood vessels and other smooth muscles. The main techniques used are the pressure myograph, wire myograph and immunohistochemistry.

➤ **On Going Research Projects:**

- ✚ The role of ATP as a sympathetic neurotransmitter in human mesenteric arteries.
- ✚ The role of different medicinal plants on the smooth muscles of the rat small intestine.
- ✚ Anatomical study for different parameters in Human pelvis and bones of the lower limbs.
- ✚ Anatomical study on the normal variations of the small saphenous vein.

➤ **Funded projects:**

- Roles of ATP as a sympathetic neurotransmitter in human mesenteric arteries under different conditions of tone.

Sponsors: The University of Jordan.

➤ **Published research:**

- 1- **Sex-Specific Parameters of Ascending Aorta, Descending Aorta Pulmonary Trunk by Computed Tomographic Angiography with impact of Age, Hypertension, Smoking and Diabetes**
Amjad. Shatarat, Maher T. AL-Hadidi, Darwish H. Badran, Faraj F Bustami, Azmy M. AL-Hadidy, Emad S. Tarawneh, Nathir M. Obeidat, Sherin W. Abd El Malek, **in press**
- 2- **Ultrasonographic assessment of splenic volume and its correlation with body parameters in a Jordanian population**
Darwish H. Badran, MD, PhD, Heba M. Kalbouneh, BDS, PhD, Maher T. Al-Hadidi, MD, PhD, Amjad T. Shatarat, MD, PhD, Emad S. Tarawneh, MD, FFR, Azmy M. Hadidy, MD, FRCR, Waleed S. Mahafza, MD, FRCR. **Saudi Med J 2015; Vol. 36 8.**
- 3- **Raised tone reveals ATP as a sympathetic neurotransmitter in the porcine mesenteric bed.**
Amjad Shatarat, William Dunn, Vera Ralevic.
Purinergic signalling 2014 10 (4), 639-649.
- 4- **Pharmacological Effects of Peganum Harmala L. Root Extract on Isolated Rat small Intestine.**
Shatarat A1, Abuhamdah S, Al-Essa M, Mohammed F and Al-Olimat.
2014; **Pharmacognosy Communications 4 (3), 56-61.**
- 5- **ATP acts as a functional sympathetic neurotransmitter in the porcine perfused mesentery after raising tone.**
Amjad Shatarat, William Dunn, Vera Ralevic.
Purinergic Signal. 2010; 7(1)158.
- 6- **Sympathetic cotransmission of noradrenaline and adenosine triphosphate (ATP) in porcine mesenteric arteries.**
Amjad Shatarat, William Dunn, Vera Ralevic. Proceedings of the British

Other academic activities:

- Chairman of Anatomy department 09/2013 up to date.
- Head of Clinical skills lab 09/2012 up to date.

Courses and training:

- Essential Skills in Reproductive and Primary Health Care
Ministry of Health/ University of Colorado 2003.
- Advanced skills in Microsoft programs. The University of Nottingham 2008.
- Advanced teaching skills. The University of Nottingham 2009.
- Advanced statistical analysis. The University of Nottingham 2009.
- Staff Development Workshops. Center for Educational Development. The University of Jordan 2011.

Past Professional Experience:

- ✚ Internship in Al-Bashair Hospital. Jordan 2000-2001.
- ✚ General Practitioner in Al-Helal Medical Center. Jordan 2001-2002.
- ✚ General Practitioner and Chief Medical officer. Ministry of Health-Jordan 2002-2003.
- ✚ Teaching Assistant at Department of Anatomy. The University of Jordan 2003-2007.
- ✚ Demonstrator for medical students at the department of anatomy, faculty of medicine. The University of Nottingham 2008-2011.

Committees:

- 1- Musculoskeletal System coordinator.
- 2- Member of medical Conference committee.
- 3- Member of Curriculum Committee.
- 4- Member of Graduate Committee.
- 5- Member of postgraduate Committee.

Conferences/ workshops

- ✚ The Anatomical Society of Great Britain & Ireland 2008 Summer Meeting. The University of Nottingham.
- ✚ British Pharmacological Society Winter Meeting 2009. London-UK.
- ✚ British Pharmacological Society Winter Meeting 2010. London-UK.
- ✚ Second annual UK Purine Club Symposium 2010. Nottingham.
- ✚ Problem Based learning workshop at the University of Al-Gassem, KSA 2011.