

Curriculum Vitae of Prof. Abdulmonem Al-Hayani

Short Profile:

Professor Abdulmonem Al-Hayani is one of Saudi Arabia's renowned and visionary Neuroscientist and Forensic Physician, who began his challenging career in the mid 90's; after completing his standard and higher education in both Medina and Jeddah, Saudi Arabia.

In 1995, after he completed an MBBS in Medicine and General Surgery, at King Abdul Aziz University, Jeddah, he successfully continued his education abroad, gaining a PhD in Neurosciences at Aberdeen University in 2001. This was quickly followed by fellowship in Forensic Medicine from the Society of Apothecaries of London, and a Certificate in Forensic Medicine Practitioner, from the University of Glasgow, in 2002.

Upon his return to Saudi Arabia, in 2003, Professor Al-Hayani held the post of Chairman of the Department of Anatomy at the Faculty of Medicine, King Abdul- Aziz University, thereafter being promoted to Vice Dean. After his dedicated hard work the University appreciated by giving him the post of Dean of Students Affairs at KAAU . His contribution to University has been noted as outstanding dedication; credited by his highly esteemed reputation from both fellow faculty members and students. Likewise, his commitment to promote the status of the University, using his knowledge, experience and research activities in the International medical field has been unrelenting; in particular his efforts to develop curriculum standards to better meet International standards as well as to promote leading changes.

As a result a demand for his expertise and knowledge has led to his appointment in various committees including: the Faculty of Medicine Bioethics Committee, Deputy Director of the Teaching and Learning Centre, and Consultant for Academic Affairs in the Saudi Institute of Health Service, Jeddah, Saudi Arabia, Director of the Scientific Research Funds (Chair) for Alzheimer's disease in King Abdul-Aziz University, Vice Dean for Quality and Development, in the Faculty of Medicine and Director of the Community Program, Health Promotion Society, and Jeddah-Saudi Arabia.

His international reputation has similarly flourished, credited by the 2007 award of 'The Outstanding Scientist of the 21st Century in the field of Neuroscience' by the International Biographical Centre Teacher of the Year - 2007 award, from King Abdul-Aziz University. In the same year, he was named '

As an author, Professor Al-Hayani has published more than 40 papers and articles in professional medical journals, the most significant of these publications being 'The endogenous anandamide activates vanilloid receptors in the rat hippocampus' - 2001, and 'An endogenous capsaicin-like substance with high potency at recombinant and native vanilloid VR1 receptors' - 2002. This discovery was a fruit of a continuous research on the effects of cannabinoids and vanilloids on synaptic transmission in the region of hippocampus. This has led his work to be hugely appreciated by scientists working in the field of cannabinoids and vanilloids; being regularly cited by scientific papers in this respective field. Other achievements include the discovery of the first physiological role for vanilloid receptors in the central nervous system.

Professor Al-Hayani's accomplishments reflect his scope of interests in the areas of neuroscience/neuroanatomy, medical education and forensic medicine, for which he has successfully been awarded significant research grants from 2004 to 2009 respectively.

Personal Details:

Name: Abdulmonem A. Al-Hayani

Date of birth: 23/8/1971

Gender: Male

Marital Status: Married

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Current Positions:

- Dean of Students Affairs at King Abdul aziz University, Jeddah, Saudi Arabia since 2013
- Chairman of the board of trustees in Ibn Sina National College for Medical Sciences since 2013.
- General Secretary of the Committee of Saudi Deans for Student Affairs since 2013.
- Professor in the Department of Anatomy, Faculty of Medicine, King Abdulaziz University, Jeddah, Saudi Arabia.
- Member of the University Promotion Committee since 2012.
- Coordinator of the Faculty Curriculum Committee, Faculty of Medicine, King Abdulaziz University since November 2006.

Board Member of:

- Saudi Society for Medical Education, Nov 2007 - April 2011.
- Saudi Society of Microscopy since Jan 2009 until now.

Previous Positions:

- Vice Dean for Basic Medical Sciences, Faculty of Medicine, King Abdul aziz University, Jeddah, Saudi Arabia since September 2008 to 2013.
- General Secretary of the Saudi Medical Deans Committee since October 2007.
- Vice Dean for Quality & Development, Faculty of Medicine, King Abdul aziz University, Jeddah, Saudi Arabia, Oct 2006- Sep2008.
- Assistant Director- Medical Education Unit, Faculty of Medicine, King Abdulaziz University, Jeddah, Saudi Arabia Sep 2003-2007.

Voluntary and Community Service:

- Director for Community Programs, Health Promotion Society, Jeddah, Saudi Arabia, 2007-present.

Awards:

- Outstanding Scientist of the 21st Century in the field of Neuroscience, International Biographical Centre, January, 2007.

- Teacher of the Year 2007, selected after a survey by the students, Faculty of Medicine, King Abdulaziz University, Prize awarded by The Scientific Club, Governor Office, Jeddah.

Current Licenses and Certification:

- AMEE Certificate in Fundamentals of Assessment in Medical Education (FAME), awarded by Association of Medical Education of Europe, Sep 2007.
- PhD in Neuroanatomy (2002), the University of Aberdeen, Aberdeen, Scotland.
- DipFMS (2002), Postgraduate Diploma in Forensic Medical Sciences, the Society of Apothecaries of London, London, UK.
- Postgraduate Certificate in Forensic Medical Sciences and Clinical Ethics (2001), the University of Glasgow, Glasgow, Scotland, UK.
- MBBS (1995), King AbdulAziz University, Jeddah, Saudi Arabia.

International Memberships:

- Member of the British Neuroscience Association (BNA) since 1998.
- Member of the Federation of the European Neuroscience Societies (FENS) since 1998.
- Member of the International Cannabinoids Research Society (ICRS) since 1999.
- Member of the Physiological Society since 1998.
- Member of the Saudi Chapter of Epilepsy since 2003.
- Member of the Saudi Society for Medical Education since 2004.
- Member of the Association of Medical Education of Europe (AMEE) since 2004.
- Member of Association of the Study for Medical Education (ASME) since 2007.

National & Local Memberships:

- Member of the Medical Education Unit, Faculty of Medicine, King Abdul Aziz University, since 2003.
- Member of the Faculty Laboratory Affairs Committee, Faculty of Medicine, King Abdul Aziz University, since 2002.
- Member of the New Graduates Committee, Faculty of Medicine, King Abdul Aziz University, from October 2002 to October 2003.
- Member of the national Committee for Alzheimer's disease since 2007.
- Member of the Saudi Quality Council since 2008.

Teaching Experiences:

Anatomy:

- 10 years experience in Teaching Gross Anatomy and Neuroanatomy. 6 years full-time teacher in the Department of Anatomy, Faculty of Medicine, King AbdulAziz

University, Jeddah, Saudi Arabia (1996-1998) and four years part-time demonstrator in the Department of Biomedical Sciences (Anatomy section), the University of Aberdeen, Aberdeen, Scotland (1999-2008).

- 8 years experience as an internal examiner of gross Anatomy and Neuroanatomy in the Department of Biomedical Sciences (Anatomy section), the University of Aberdeen, Aberdeen, Scotland (2000-2008).
- 6 years experience as a forensic medicine teacher in the Faculty of Medicine, King Abdul Aziz University, Jeddah (2002 until now).

VIVA Examiner:

- External Examiner of the Viva of the MSC thesis, University of Girls, Riyadh. Presented by Miss Fawzia Al-Harbi. Thesis title: the effect of sodium warfarin on the Morphogenesis and Histogenesis of the cerebellum in the chick embryos, May, 2005.
- External Examiner of the Viva of the PhD thesis, College of Girls, Jeddah. Thesis title: Effects of Haloperidol on the liver, retina and kidneys of the Chicks Embryos. Presented by Mrs. Fayza Abdullah al-Gamdi, June, 2007.
- External Examiner of the Viva of the MSC thesis, Faculty of Science, King Abdulaziz University Jeddah. Thesis title: Effects of Environmental Pollution with Car Fuel (Gasoline Vapour) on Histological and Histochemical Structure of Guinea Pig Respiratory Air Passages & Lung Tissues. Presented by Mrs. Nesreen AlJahdali, June, 2007.
- External Examiner of the Viva of the MSC thesis by Sharifa Al-Zahrani, King Abdulaziz University Jeddah Department of Pharmacology Faculty of Medicine. Thesis title: Epeliptogenesis and Antiepileptic Drugs, June, 2008.
- External Examiner of the Viva of the PhD thesis by Maha A. Al-Waili, Department of Biology, Faculty of Science, Prince Noura University, Riyadh, KSA. Thesis title: The Role of Astaxanthin in improving the changes induced by Aspartame in Pregnant Rats and their Foetuses, Jan, 2010.

External Examiner and Manuscript Reviewer:

- External examiner to Abha medical College, King Khalid University, 2004-2006.
- Reviewed and criticised many manuscripts in Neurosciences for the Neurosciences journal and the Saudi Medical Journal.
- Reviewed and criticised many grants proposals for King Abdul Aziz City for Science and Technology.

Forensic Medicine Experiences:

- One year full training in forensic medicine and forensic medical sciences including DNA profiling and crime scene management, the University of Glasgow, UK.

- One year full service of post-mortem examinations (Autopsy) at Glasgow City Mortuary, with Prof. L. M. Al-Alousy.

Neuroscience/Neuroanatomy Research Interest and Experiences:

- The effects of exogenous and endogenous cannabinoids on synaptic transmission in the rat hippocampal slice.
- The interaction between the endogenous cannabinoids anandamide and vanilloid receptors.
- Extracellular field potential recordings especially in the hippocampal slice.
- Whole cell patch-clamp recording.
- Electrophysiological studies.
- The pathophysiology of Epilepsy and anti-epileptic drugs.
- Alzheimer's disease and its pathophysiology.

Medical Education Research Interest and Experiences:

- Assessing student's achievements in undergraduate medical training.
- Evaluation of Clinical Exams of many programs of the Saudi Board.
- Methods of student's assessment including OSCE and OSPE.
- The Educational Environment (DREEM).
- Study Guide: their uses and preparations.

Forensic Medicine / Ethics Research Interest and Experiences:

- The time after death and post-mortem interval.
- The informed consent.

Patents

- Body Preservation Simple Machine, Registered at King Abdulaziz City for Science and Technology (KACST) Patent Office Number: 109300390.
- 3 Cadavers capacity preserver system by shellac met. Registered at Turkish Patent Office Number: 0978/2011
- Diabetic Foot Processor. Registered at Turkish Patent Office Number: 0903/2011

Successful Grants:

- I have received (May, 2004) a grant from King Abdul Aziz City for Science and Technology (SR 440,000) to investigate the Pathogenesis of Alzheimer's Disease for the period of two years.
- I received a two months research fellowship grant (US\$ 8000) to conduct research on endocannabinoids from the British Council, 2003.

- I have received (January 2006) a grant from King Abdul Aziz University (SR 90,000) to design a comprehensive English-Arabic-English dictionary in Anatomy, histology and embryology.
- I have received (July-August 2006) a research grant (US\$ 25000) from IBRO (International Brain Research Organization) to investigate the effects of a novel antibody on axonal injury.
- I have received (February 2007) a grant from King Abdul Aziz University (SR 76,000) to research the effect of cannabinoids on epileptiform activities.
- I have received (July 2007) a grant from King Abdul Aziz University (SR 250,000) to research the effect of endocannabinoids using bionanotechnology.
- I received SR 1000 000 (One Million) to establish a scientific Chair in Alzheimer's disease Research, Dec 2007.
- I have received (March 2008) a grant from King Abdul Aziz University (SR 70,000) to research the effect of Akrylamid on human tissues.
- I have received (March 2008) a grant from King Abdul Aziz University (SR 100,000) to research the effect of onion's shells on cancer cells.
- I have currently received a grant from King Abdulaziz City for Science and Technology (SR 1 Million) to investigate the Biomarkers for Parkinson's disease.

Workshops Attended:

- The Ion Channels Workshop, the University of Leeds, Leeds, United Kingdom from 7-14 September, 2001.
- Medical Curriculum Development Workshop, King Fahad Medical Research Centre, Jeddah, Saudi Arabia, from 7-9 October 2002.
- Developing High Quality Written Tests and OSCES Workshop, King Fahad Medical Research Centre, Jeddah, Saudi Arabia, from 28-30 October 2002.
- Designing a website for teaching purposes, Centre for Educational Development. King Abdul Aziz University, Jeddah, Saudi Arabia, from 1-4 March 2003.
- Dynamics of Effective Teaching, Centre for Educational Development. King Abdul Aziz University, Jeddah, Saudi Arabia, from 1-5 January 2003.
- Students' Assessment, Centre for Educational Development. King Abdul Aziz University, Jeddah, Saudi Arabia, from 20-22 October 2003.
- Developing action plans for improving teaching and learning environments of the Faculty of Medicine, King Fahad Medical Research Centre, Jeddah, Saudi Arabia, from 15-16 December 2003.
- Preparing the University' Teacher, Centre for Educational Development. King Abdul Aziz University, Jeddah, Saudi Arabia, from 10-15 April 2004.
- Improving the standards of teaching clinical skills, King Fahad Medical Research Centre, Jeddah, Saudi Arabia, 10th of April 2004.
- How to manage your work stresses, Centre for Educational Development. King Abdul Aziz University, Jeddah, Saudi Arabia, from 11th October, 2004.
- Designing a website for teaching purposes (advanced course), Centre for Educational Development. King Abdul Aziz University, Jeddah, Saudi Arabia, from 4-7 December 2004.
- The methods of activating Prince Abdulla opinions towards higher education. King Abdul Aziz University, Jeddah, Saudi Arabia, from 30 Jan to 1 Feb 2005.
- The 2nd King Saud University workshop on medical education. King Saud University, Riyadh, Saudi Arabia, 1-3 March 2005.
- Preparing University Staff, Dynamics, Centre for Educational Development. King Abdul Aziz University, Jeddah, Saudi Arabia, from November 2005.

- Promoting Active Learning, Centre for Educational Development. King Abdul Aziz University, Jeddah, Saudi Arabia, from November 2005.
- Leica Histology Sample Preparation, organized by Leica Company. Western Hotel, Jeddah, Saudi Arabia, 4th December, 2005.
- The 3rd King Saud University workshop on medical education. King Saud University, Riyadh, Saudi Arabia, 28-30 March 2006 (14 CME hours).
- How to write a grant proposal? Centre for Educational Development. King Abdul Aziz University, Jeddah, Saudi Arabia, from April 2006.
- Strategic Planning. Ezdehar Training Centre, Western Hotel, 9-10 April 2006
- Course Designing, Centre for Educational Development. King Abdul Aziz University, Jeddah, Saudi Arabia, September 2006.
- Essential Skills for Medical Education Workshop, Genoa, Italy, 14-19 September, 2006.
- Academic Leadership Skills, Centre for Educational Development. King Abdul Aziz University, Jeddah, Saudi Arabia, November 2006.
- Management of Change, The Centre of Building Generations, 20 Credit Hours of training, Jeddah, Saudi Arabia, 10-14 Dec 2006.
- Strategic Planning for the Deanship of Community Services and Continuing Education, 26th may to 19th of June 2006, King Abdulaziz University, Jeddah, Saudi Arabia.
- Using Measurements on Medical Education, National University of Singapore, Singapore, 8th Feb, 2007 (8 am-12 pm).
- Generalisability Theory: Getting the Computer to do the work, National University of Singapore, Singapore, 8th Feb, 2007 (1-5 pm).
- Assessment Methods: what works and what does not? National University of Singapore, Singapore, 9th Feb, 2007 (8 am-12 pm).
- Using Multiple Mini-Interview to select applicants to medical school, National University of Singapore, Singapore, 9th Feb, 2007(1-5 pm).
- Using SPSS for Data Analysis in Medical Education, National University of Singapore, Singapore, 12th Feb, 2007 (8 am-12 pm).
- Instructors as Counsellor and Coach Workshop, (5days training) by Dr. Sheila Traher, Quality Programs for Staff Development, King Fahd Medical Research Centre, Jeddah, 9-13 Dec 2006.
- Assessing Students' Performance, (6 days training) by Dr. A. Dewidar, Quality Programs for Staff Development, King Fahd Medical Research Centre, Jeddah, 17-22 Feb 2007.
- Problem Based Learning, (4days training) by Dr. Nicole Roberts and Dr. Peter Borgia, Southern Illinois University, Quality Programs for Staff Development, King Fahd Medical Research Centre, Jeddah, 24-27 Feb 2007.
- The 4th King Saud University workshop on medical education. King Saud University, Riyadh, Saudi Arabia, 13-15 March 2007 (14 CME hours).
- Advanced Healthcare Quality Management Course for Health Care Professionals. King Abdulaziz University Hospitals, 29-31 May 2007. 11 CME hours.
- Implementing Strategies, Jeddah Westin Hotel, a 16 CME hours workshop organized by Saudi Law Training Centre, 2-3 June, 2007.
- Designing Oral Exams, the Association of Medical Education of Europe Annual Conference, Trondheim, Norway, 26th August 2007.
- Examination Development Workshop. Organized by the Saudi Council for Health Specialities, 5-7 Jan 2008, King Fahad Medical Research Centre, Jeddah.
- Learning and Teaching in Higher Education. King's Collge, London, United Kingdom, 19-23 May 2008.

- High stake, low stake, full day workshop organized by AMEE 2008, Prague, Czech Republic, August 30, 2008.
- Module Coordination in a PBL Curriculum, KSAUH, National Guard Hospital, Riyadh, 13 CME, 31 Jan – 2 Feb 2009.
- Teaching on the Run Workshop, 2-3 July, 2009, King Abdulaziz University, Jeddah.
- Developing Leaders in Healthcare Education, ASME, Edinburgh, 12-15 July 2009.
- Teaching on the Run Facilitators Workshop, 14-16 August, 2009, Perth, Australia.
- Teaching on the Run Workshop, 15-16 October, 2009, Perth, Australia.
- Student Support: How and When? , Soba, Sudan, 30 October 2009.

Workshops/Presentations I Organised & Delivered:

- Study Guides: their uses and preparation (4 CME hours approved by the Saudi Council for Health Specialities), with Dr. A. Al-Hazimi. Organised many times during 2003-2004.
- Designing and executing an objective structured practical exam (6 CME hours approved by the Saudi Council for Health Specialities), with Dr. A. Boker. Organised many times during 2003-2004.
- Improving the Standards of Clinical Training preparation (4 CME hours approved by the Saudi Council for Health Specialities), A series of workshops sponsored by the Saudi Council for Health Sciences to train the Program Directors of Clinical Training Programs in Jeddah, Abha and Madinah, 20th of May- 9th of June, 2004.
- The Core Curriculum, 2nd King Saud University workshop on medical education. King Saud University, Riyadh, Saudi Arabia, 1 March 2005.
- Continuous and Lifelong Learning, the 4th Arabian Gulf Medical Association Conference, Riyadh, 12 March, 2005.
- Designing a study Guide for your Students, 3 hours workshop delivered to Academic Staff at the Saudi Institute for Health Services, Thursday 22nd Sept, 2005.
- General Principles of Assessment, 3 hours workshop delivered to Academic Staff at the Saudi Institute for Health Services, Thursday 24th November, 2005.
- Portfolios, 3rd King Saud University workshop on medical education. King Saud University, Riyadh, Saudi Arabia, 30 March 2006.
- Diseases of the Medical Curriculum, Taibah University Medical school, 29-30 August 2006, Madinah, Saudi Arabia.
- Providing an Effective Lecture. 4 hours training workshop organized to develop the lecturing skills of 35 selected Staff from Ibn-Sina Private Medical College, Jeddah, Saudi Arabia, 4th Dec. 2006.
- Professionalism in Medical Education, 4th King Saud University workshop on medical education. King Saud University, Riyadh, Saudi Arabia, 13 March 2007.
- Principles of Adult Education, 1 hour presentation to Health professionals during the Advanced Healthcare Quality Management Course for Health Care Professionals. King Abdulaziz University Hospitals, 29 May 2007.
- The Skills of Providing Effective Feedback. 4 CME hours training workshop organized to develop the lecturing skills of 35 selected Staff from Saudi Institute for Health Services, Jeddah, Saudi Arabia, 7th Feb. 2008.
- Study Guides: their uses and preparations: 3 days workshop, Quality programs, 18-20Feb 2008, King Abdulaziz University.

- Study Guides: their uses and preparations: 3 days workshop, Quality programs, 5-7 May 2008, King Abdulaziz University.
- Essential Skills for Medical Education workshop, Faculty of Medicine, Hail University, 27 October 2008.
- Communication Skills, a workshop (3 hours) delivered to all Residents in the Saudi Board programs at King Abdulaziz Medical City, Jeddah, Tuesday 13 Jan 2009.
- miniCEX, a workshop (3 hours) delivered to the Faculty of Ibn-Sina Medical School, Jeddah, Thursday 15 Jan 2009.
- Objective Structured Clinical Exams (OSCE) a workshop (3 hours) delivered to the Faculty of Ibn-Sina Medical School, Jeddah, Saturday 7 Feb 2009.
- The ten Questions to design a Curriculum (3 hours) delivered to the Faculty of Ibn-Sina Medical School, Jeddah, Thursday 7 Nov 2009.

Symposia/Conferences Attended:

- American Society of Neuroscience annual conference in Miami Beach, USA, November 1999.
- International Cannabinoids Research Society annual meeting in Baltimore, USA, June 2000.
- The Physiological Society Conference in Aberdeen, UK, September 2000.
- International Cannabinoids Research Society annual meeting in Madrid, Spain, June 2001.
- The Federation of European Neuroscience Associations (FENS) Biannual meeting in Paris, France, July 2002.
- Medical Ethics in Islam, How Different? A conference organized by King Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia, from 11-12 March 2003.
- Second Conference for Advanced Medicine (Updates and Current Approach), King Fahad Medical Research Centre, Jeddah, Saudi Arabia, from 14-17 April 2003.
- International Cannabinoids Research Society annual meeting in Cornwall, Canada, 24-28 of June 2003.
- 12 annual meeting of the Saudi Neuroscience Symposium, Jeddah. 13-15 January 2004.
- The first conference on the March of Medical Education in Saudi Arabia, Riyadh, Saudi Arabia, 23-24 March, 2004.
- The Federation of European Neuroscience Associations (FENS) Biannual meeting in Lisbon, Portugal, 10-14 July 2004.
- The first scientific meeting of the Saudi Society for Medical Education, King Khalid University, Abha, 21-23 Nov 2004.
- The 10th Pan Arab Union of Neurological Sciences meeting, Jeddah, Saudi Arabia, 28th Feb, to 3rd March 2005.
- The 4th Arabian Gulf Medical Association Conference, Riyadh, 12-14 March, 2005.
- International Cannabinoids Research Society annual meeting in Clearwater Beach, Florida, USA, 24-28 of June 2005.
- The 14th Saudi Neuroscience Symposium, Four Seasons Hotel, Riyadh, Saudi Arabia, 14-15 March 2006 (Speaker).

- The Regional Conference for Gifted Students, Hilton Hotel, Jeddah, Saudi Arabia, 28-30 August 2006.
- Association of Medical Education of Europe (AMEE) conference, Genoa, Italy, 14-19 September, 2006.
- The Young Investigators Conference: Strategy for Science. Dubai Harvard Foundation for Medical Research, Dubai, Emirates, 4th Jan. 2007.
- The annual Learning and Technology Conference, Effat College, Jeddah Hilton Hotel, 13-14 Jan 2007.
- The Open day for Nano-Technology (Main Speaker), Conference Centre, King Abdulazizi University, 9th of January 2007, Jeddah, Saudi Arabia.
- The 15th Annual Saudi Neuroscience Symposium, Jeddah Hilton Hotel, Jeddah, Saudi Arabia, 23-25 January, 2007 (Speaker).
- 4th Asia Pacific medical education Conference (APMEC), National University of Singapore, Singapore, 8-11 Feb 2007.
- Association of Medical Education of Europe (AMEE) conference, Trondheim, Norway 27-30 August, 2007.
- Building a Career in Research, organized by Dubai Harvard Foundation for Medical Research, 9 December 2007, Dubai Grand Hyatt Hotel, Dubai, UAE.
- Winter Conference in Brain Research, Snowbird, Utah, USA, 26th Jan – 1 Feb 2008.
- The second meeting of Saudi Universities Vice Presidents, Conference Centre, King Abdulaziz University, Jeddah, Saudi Arabia, 24-25 March 2008.
- The first International Saudi Medical Education Conference, King Fahad Medical City, Riyadh, 26-30 April 2008.
- Building a Career in Research, organized by Dubai Harvard Foundation for Medical Research, 15-16 May 2008, Boston, MA, USA.
- Nanotechnology: future and challenges, organized by Centre for Nanotechnology, King Abdulaziz University, Ceremonial Hall, Jeddah, 16-18 June 2008.
- Association of Medical Education of Europe (AMEE) conference, Prague, Czech Republic 30 August - 3 September, 2008.
- The 3rd International Medical Education Conference, Sudan, 28 Oct – 2 Nov 2009.

Publications:

1. Al-Hayani, A., Paton, G., Pertwee, R.G., and Davies, S.N. (1999) Cannabinoid effects on paired pulse depression in the rat hippocampal slice. *Society for Neuroscience Abstracts*, 25:585.7.
2. Al-Hayani, A. and Davies, S.N. (2000) Developmental regulation of CB1 receptor mediated inhibition of synaptic transmission in the rat hippocampal slice. 2000 Symposium on the Cannabinoids, *Burlington Vermont International Cannabinoids Research Society, Abstract*, 98.
3. Al-Hayani, A. and Davies, S.N. (2000) Cannabinoid receptor mediated inhibition of excitatory synaptic transmission in the rat hippocampal slice is developmentally regulated. *British Journal of Pharmacology* (2000) 131, 663-665.
4. Davies, S.N. and Al-Hayani, A. (2000) Temperature dependent effects of cannabinoids in the rat hippocampal slice. *Physiological Society*, 528P, S48.

5. Al-Hayani, A. and Davies, S.N. (2000) Cannabinoid receptor-mediated inhibition of excitatory synaptic transmission in hippocampal slice prepared from neonatal, but not, adult rats. *Physiological Society*, 528P, S67.
6. Davies, S.N. and Al-Hayani, A. (2001) Actions of putative endogenous cannabinoids on synaptic transmission in the rat hippocampal slice. 2001 Symposium on the Cannabinoids, *Burlington Vermont International Cannabinoids Research Society, Abstract*, 27.
7. Al-Hayani, A., Wease, K., Ross, R.A., Pertwee, R.G., and Davies, S.N. (2001) The endogenous cannabinoid anandamide activates vanilloid receptors in the rat hippocampus. *Neuropharmacology*, 41(8), 1000-5.
8. Al-Hayani, A. and Davies, S.N. (2002) Effect of cannabinoids on synaptic transmission in the rat hippocampal slice is temperature-dependent. *European Journal of Pharmacology*, 442(1-2), 47-54.
9. Huang SM, Bisogno T, Trevisani M, Al-Hayani A, De Petrocellis L, Fezza F, Tognetto M, Petros TJ, Krey JF, Chu CJ, Miller JD, Davies SN, Geppetti P, Walker JM, Di Marzo (2002) An endogenous capsaicin-like substance with high potency at recombinant and native vanilloid VR1 receptors. *PNAS USA*, 11, 99(12), 8400-5.
10. Al-Hayani Abdulmonem (2003) Cannabinoids as an anti-convulsant drug (an In Vitro model of epilepsy). Second conference of advanced medicine, *KFMRC, Abstract 2*.
11. Al-Hayani, A. (2001) Controversies concerning human tissue retention and the implications for forensic practitioner. A DipFMS thesis submitted to *the Society of Apothecaries of London, accepted September 2001*.
12. Al-Hayani, A., Di Marzo, V., and Davies, S.N., A. (2003) Homo-N-arachidonoyl dopamine mimics vanilloid receptor agonists in enhancing paired pulse depression of hippocampal population spikes. 2003 Symposium on the Cannabinoids, *Burlington Vermont International Cannabinoids Research Society, Abstract*, 83.
13. Al-Hayani Abdulmonem (2003) A common trunk uniting the brachiocephalic and the common carotid arteries, a case report. *Zagazig University Medical Journal*, 9(3), 33-37.
14. Al-Hayani Abdulmonem (2003) Effect of melatonin on the ultrastructure of enterocytes in rats after total body irradiation. *Egyptian Journal of Anatomy*, 26 (2), 281-308.
15. Al-Hayani Abdulmonem (2003) Cannabinoids as an anti-convulsant drugs. *Al Azhar Medical Journal*, 32, 227-236.
16. Al-Hayani Abdulmonem (2004) Homo-N-arachidonoyl dopamine mimics vanilloid receptor agonists in enhancing paired pulse depression of hippocampal population spikes. *Neuroscience*, 9(1): S47.

17. Al-Hayani, A., Al-Hazimi, A., Boker, A., and Ardawi, M.S. (2004) Students opinions toward objective structured practical exams. The first conference on the march of medical education in Saudi Arabia, *Abstract*, 9.
18. Al-Hayani, A. and Davies, S.N. (2004) Vanilloid receptor ligands modulate excitatory synaptic transmission in the rat hippocampal slice. FENS Conference, Lisbon, Portugal, *Abstract 171*.
19. Al-Hazimi, A., Zaini, R., Al-Hayani A., Hassan, N., Gunaid, A., Ponnampereuma, G., Karunathilake, I., Roff, S., McAleer, S., and Davis, M. (2004) Educational environment in traditional and innovative medical schools: a study in four undergraduate medical schools. *Education for Health*, 17, 192-203.
20. Al-Hazimi, A., Al-Hayani A., and Roff, S. (2004) Perceptions of the educational environment of the medical school in King Abdul Aziz University, Saudi Arabia. *Medical Teacher*, 26, 570-573.
21. Al-Hayani A. & Al-Hazimi A. (2005) Study guide: a useful tool for curriculum development. *In Press*.
22. Al-Hayani, A. and Davies, S.N. (2005) Vanilloid receptor ligands modulation of excitation in the rat hippocampal slice. The 10th Pan Arab Union of Neurological Sciences meeting, Jeddah, Saudi Arabia, 28th Feb, to 3rd March 2005. *Abstract 22*.
23. Al-Hayani, A. and Davies, S.N. (2005) The effects of Vanilloid receptor ligands on glutamatergic synaptic transmission. 2005 Symposium on the Cannabinoids, *Burlington Vermont International Cannabinoids Research Society*, *Abstract*, 107.
24. Al-Hayani Abdulmonem (2005) Anticonvulsant action of anandamide in an in vitro model of epilepsy. *Neurosciences*, 10 (3), 205-209.
25. Al-Hayani Abdulmonem (2005) Morphological study of the exocrine pancreas under the effect of nicotine administration and its cessation, experimental study in rats. *Zagazig University Medical Journal*, 11(2), 1-26.
26. El-Barrany W. G., Al-Hayani A., and Softa S. (2005) The blood and nerve supply of the long head of the biceps femoris muscle; its possible use in dynamic neoanal sphincter. *West African Journal of Medicine*, 24 (4), 287-294.
27. Al-Hayani Abdulmonem (2006). Anandamide induced anti-convulsion in an *in vitro* model of epilepsy. The 14th Saudi Neuroscience Symposium, Four Seasons Hotel, Riyadh, Saudi Arabia, 14-15 March 2006. *Abstract pp.82*.
28. El-Barrany W. G., Hamdy, R.M., Al-Hayani A.A., Jalalah, S.M., and Al-Sayyad, M.J. (2006). Ultrastructural changes of compressed lumbar ventral nerve roots following decompression. *Saudi Medical Journal*, 27(7), 955-961.
29. Al-Hayani Abdulmonem (2007) Qualitative and Quantitative study of the Synapses in the hippocampus of the aged human and aged human with dementia. *Al-Azhar Medical Journal* 36 (1), 9-22.

30. Mathey E., Derfuss T., Storch M., Williams K., Hales K., Whoolley D., Al Hayani A., et al (2007). Neurofascin as a novel target for autoantibody-mediated axonal injury. *Journal of Experimental Medicin*, 204(10), 2363-2372.
31. Al-Hayani Abdulmonem (2007) Anatomical localization of the marginal mandibular branch of the facial nerve. *Folia Morphologica*, 66 (4), 307-313.
32. Naeem A.Y. and Al-Hayani A. (2007) Anatomical variations of Median and Musculocutaneous Nerves. *Zagazig University Medical Journal*, 13(1): 13-63.
33. Al-Hayani Abdulmonem (2008) Ultrastructural changes of schwann cells during nerve regeneration following a crush injury of the Sural nerve in rats. *Taibah Medical Journal*, 2(1,2) 4-12.
34. Al-Hayani Abdulmonem (2008) Study of the Polar Arteries supplying the spleen and their significance in their viability (2008). *Journal of Rawalpinidi Medical College (JRMC)*, 11(2), 83-90.
35. Al-Hayani Abdulmonem (2007) In Vitro anticonvulsant action of 2-arachidonyl glycerol. *JKAU: Med. Sci*, 14(2), 27-36.
36. El-Barrany W. G., Al-Hayani A., and Softa S. (2008) A gross anatomical study to the blood supply of the sciatic nerve in human. *Al-Azhar Medical Journal* 37 (1), 51-60.
37. Al-Hayani Abdulmonem (2009) The functional anatomy of hip abductors. *Folia Morphologica* 68 (2), 1-6.
38. El-Barrany W. G., Hamdy, R.M., Al-Hayani A.A., Jalalah, S.M. (2009). Electron microscopic study of the myelinated nerve fibres and the perineurial cell basement membrane in the diabetic human peripheral nerves. *Neurosciences*, 14(2), 131-138.
39. Al-Hayani A., Abd El-Aziz G.S., El-Deek B.S., and Hammad S. (2009). Evaluation of Using the interactive Multimedia in Teaching Anatomy. *Scientific Journal of Al-Azhar Medical Faculty (Girls)*, 30(1), 757-765.
40. Al-Hayani Abdulmonem (2009) Combined Beneficial effect of Vitamin C and zinc in Lead induced Testicular damage of Rats. *Suez Canal University Medical Journal*, In Press.
41. Al-Hayani A., Al-Mazrooa A., El-deek B., and Ayuob N. (2010). Applying the Total Quality Management (TQM) Model and the Holistic Model for Quality Management in Higher Education; Pros and Cons. *Research Journal of Medical Sciences*. In Press.
42. Al-Hayani A., Al-Mazrooa A., El-deek B., and Ayuob N. (2010). An Overview of Total Quality Management at King Abdel Aziz University College of Medicine. *Research Journal of Medical Sciences*. In Press.