

SPEAKERS

1. **Ali Alrefai, M.D.** - Assistant Professor of Neurology, JUST
2. **Moh'd Mah'd Abdel-Latif Al Barbarawi, M.D.** - Assistant Professor of Neurosurgery, JUST
3. **David Chapman-Smith LLB FICC (Canada)**
4. **Khalid El-Salem, M.D.** - Dean, Faculty of Graduate Studies, Associate Professor of Neurology
5. **Scott Haldeman, M.D., PhD, D.C.** - Associate Professor of Neurology, UCI
6. **Yousef Meshki, D.C.** – Private Practice, Canada
7. **Jean Moss, D.C., MBA** – President CMCC
8. **Ziad Ali Abdullah Mustafa, M.D.** - Assistant Professor of Orthopedic Surgery, JUST
9. **John Triano, D.C., PhD** - Dean, Graduate Education & Research, CMCC



Scott Haldeman, MD, PhD, DC

Dr. Scott Haldeman, DC, MD, PhD is a foremost international authority on the management of spinal pain. He has served as Chair of the World Federation of Chiropractic's Research Council since it was established in 1988 and is an international ambassador for the Bone and Joint Decade 2000-2010.

Dr. Haldeman, who is Associate Professor of Neurology at the University of California at Irvine, obtained his chiropractic degree at Palmer College (1964), his PhD in Neurophysiology at the University of British Columbia (1973), his medical degree at the University of British Columbia (1976) and completed his neurology residency in the Department of Neurology, University of California, Irvine (1977 – 1980). He is widely published in the fields of neurology and chiropractic.

He recently served as President of the Bone and Joint Decade 2000-2010 Task force on Neck Pain and its Associated Disorders, and international multidisciplinary expert panel credited with redefining the management of neck pain with its report published in *Spine* and the *European Spine Journal* in 2008. Dr. Haldeman served as President of the North American Spine Society from 1988 – 1989 and President of the American Back Society from 2003 – 2008.



John Triano, DC, PhD

Dr. John Triano, DC, PhD graduated with a Doctor of Chiropractic degree from Logan College of Chiropractic in Chesterfield, Missouri in 1973 and has a PhD in Mechanical Engineering & Applied Mechanics and Spine Biomechanics from the University of Michigan.

He currently serves as Dean, Graduate Education & Research, Canadian Memorial Chiropractic College, Toronto, and as an Associate Professor at McMaster University, Hamilton, Ontario. Before moving to Canada in 2006 he was Director, Chiropractic Division, Texas Back Institute in Plano, Texas and a Research Professor in the Joint Biomedical Engineering Program at the University of Texas.

His research interests include biomechanics and the development of policy and procedures for clinical quality improvement and measurement of clinical outcome.

Dr. Triano is widely recognized as one of the foremost North American authorities on the conservative management of back pain and served on the AHCPR expert panel for the US Department of Health and Human Services which produced the first national clinical guidelines on back pain, acute low back problems in adults, in 1993.



Jean Moss, DC, MBA

Dr. Jean Moss obtained her Doctor of Chiropractic designation from CMCC in 1970 and her M.B.A. from York University in 1988. While Dr. Moss maintained a private practice as a chiropractor she joined the faculty of CMCC and, for the next twenty years, enjoyed a successful career with the College as an educator, clinical supervisor and administrator.

Dr. Jean Moss was appointed President of the Canadian Memorial Chiropractic College (CMCC) in 1991. She is the first woman to serve as President of CMCC and is currently the only female head of a chiropractic programme in North America. During her tenure as President, CMCC has prospered - developing an international reputation for the quality of its programmes and the competence of its graduates - and has achieved three firsts in Canadian history - the first chiropractic clinic in a teaching hospital; the first chiropractic research clinic in a university faculty; and, the first chiropractic residents on a hospital ward. Currently CMCC is working with other countries to help raise the standards of chiropractic education internationally.

While leading in the above accomplishments for CMCC, in 2004 Dr. Moss became President of the Association of Chiropractic Colleges, the first non-American to hold the position. She has made numerous presentations at conferences worldwide and has been involved in the development and planning of conferences internationally.

Dr. Moss has been invited to be a member of several provincial government committees and has participated from the position as a leader in the chiropractic profession and as a citizen concerned about the health of Ontarians and Canadians.

A tenacious lobbyist, tireless spokesperson, and insightful visionary, Dr. Moss has been described by her colleagues as a true leader within the chiropractic profession and an inspiration to other chiropractors, both men and women, who wish to pursue the advancement of chiropractic.



Yousef Meshki, D.C.

Dr. Meshki was born in Jerusalem. He emigrated to Hamilton, Ontario in 1969, where he received his high school education. Dr. Meshki completed his prerequisite studies for chiropractic college at McMaster University. He then went on to graduate from Canadian Memorial Chiropractic College in May of 1978.

Dr. Meshki accepted the position as chiropractor for the King Hussein Medical Centre in Jordan from 1978 through 1986. In this position he worked side by side with neurosurgeons, orthopaedic surgeons, and physiatrists associated with the hospital. These colleagues referred many of their patients to seek Dr. Meshki's chiropractic care. Many of the physicians at King Hussein Medical Centre also became patients of Dr. Meshki.

Dr. Meshki worked with the Royal Medical Services and the ministry of Health in an attempt to create recognition and regulation of chiropractic in Jordan. Dr. Meshki's efforts culminated, in 1988, when he escorted the Minister of Health, Dr. Zeid Hamzeh to Toronto, Canada, in order for the Minister to study the status of chiropractic education and practices in Ontario. During that visit, Dr. Hamzeh visited Canadian Memorial Chiropractic College, a chiropractic clinic, and met with officials from the Canadian Chiropractic Association. Dr. Hamzeh returned from this trip with positive feedback and intended to proceed with regulating Chiropractic in Jordan based on the Canadian model.

In 1988, Dr. Meshki traveled to Sydney, Australia, for the birth of the World Federation of Chiropractic, which represented the national association of chiropractors in 88 countries. As well as being one of the founders of the Federation, Dr. Meshki also served on the Council, representing the Eastern Mediterranean Region from 1988 to 1991.

Dr. Meshki pursued a private practice in Amman, Jordan from 1986 to 1990. During this time, he routinely treated most members of the royal Jordanian family, including his Majesty, King Abdullah II.

Dr. Meshki returned to Canada with his wife and three children, in 1990. He currently directs his own multi-doctor chiropractic clinic at 30 Rice Road in Welland, Ontario, Canada. Dr. Meshki has been appointed as the primary consultant to the World Federation of Chiropractic in the pursuit of a chiropractic college in Jordan.



Mustafa H. Ağaoğlu, DC

Personal information

Date of Birth : 02.09.1969

Marital Status : married with a daughter

Work

2005–2010	Chiropractic office	Izmir, Türkiye
2004–2005	Chiropractic services in polyclinic	Izmir, Türkiye
1999–2004	Chiropractic services	Florida, USA
1998–1999	Chiropractic services in polyclinic	lima, peru
1988–1992	Intern with Louis Vella, DC	New York, USA

Education

1992–1997	Life University School of Chiropractic	atlanta, usa
1988–1992	New York university * faculty of science * pre-chiropractic sciences	New York, USA
1986–1988	New York bayside high school	New York, USA
1981–1986	Louis Pasteur junior high school	New York, USA
1976–1980	Gazi elementary school	Izmir, Türkiye

Organizations

2009-	Team chiropractor to the primary league of women handball team of Izmir
2009-	Member and a treating chiropractor of the Turkish human rights society for the tortured
2009	European Chiropractors' Union General Council Meeting Representing Turkey, Amsterdam Holland
2009	World Federation of Chiropractic and International Federation of Sports Chiropractic Executive Council Meetings, Montreal Canada FICS Executive Council member and WFC Turkey Representative
2009	World Federation of Chiropractic (WFC) Eastern Mediterranean Regional Meeting Dubai, UAE
2008	World Federation of Chiropractic (WFC) Eastern Mediterranean Regional Meeting, Cairo Egypt
2007	European Chiropractors' Union Meeting, Portugal
2007	World Spine Society meetings Istanbul, Turkey
2007	World Federation of Chiropractic (WFC) Eastern Mediterranean Regional Meeting Istanbul, Turkey

2007	International Federation of Sports Chiropractic meetings (FICS), Portugal
2006	Annual meetings Geneva, Switzerland as an international delegate of WFC
2005	European Chiropractors' Union meeting Cyprus
1998-2004	Congress and seminars, USA

Memberships to organizations

The Federation of Sport of Physically Challenged-Executive Council and education commission for the team of badminton

Turkish Public Health Alliance

Turkish Chiropractic Association-President

ICA (international chiropractic Association)

ECU (European Chiropractors' Union)

WFC (World Federation of Chiropractic)

FICS (International Federation of Sports Chiropractic)- Executive Council Member & Communications Commission Member

AASP (American Academy of Spine Physicians)

nass(north american spine society)

*membership pending to European Society of Biomechanics. I will need to publish a study, paper in order to qualify.

Interests

family, free diving, sports (marathon running, swimming), books.



David Chapman-Smith LLB FICC (Canada)

Mr. Chapman-Smith graduated with a Bachelor of Laws (Honours) from Auckland University, New Zealand in 1969. Awards at law school included the Gary Davies Award, first prize in the Faculty of Law Mooting Competition (1968). Following graduation he practiced civil and commercial litigation, from 1978 as a partner in Holmden, Horrocks & Co in Auckland.

His introduction to the chiropractic profession was as counsel for the New Zealand Chiropractors' Association before the New Zealand Commission of Inquiry into Chiropractic in 1978-79. In 1982 he took a two-year leave from his law partnership to serve as a legal consultant to the Ontario Chiropractic Association in Canada during a major review of health professions' legislation. Subsequently he remained in Toronto, Ontario, Canada acting as a consultant to chiropractic organizations internationally. He re-qualified as a lawyer in the Province of Ontario in 1989.

Mr. Chapman-Smith was instrumental in the formation of the World Federation of Chiropractic in 1988 and has served as its Secretary-General since that time. Since 1986 he has been editor/publisher of a newsletter titled *The Chiropractic Report*, and his many other articles and publications relative to chiropractic include the book *The Chiropractic Profession: Its Education, Practice, Research and Future Directions* (NCMIC Group, 2000).

As WFC Secretary-General he has been an adviser on chiropractic legislation and the development of the chiropractic profession in many countries and has administered many joint projects for the WFC and the World Health Organization since the early 1990s. Mr. Chapman-Smith is married to Dr. Sira Borges, a doctor of chiropractic and medicine, and has four adult children. Two of his four brothers are medical specialists in New Zealand and two of his four stepsons are chiropractors in Brazil.



Khalid El-Salem, M.D.
Associate Professor of Neurology

Personal Information:

Date of birth: October 1st, 1972
Place of birth: Irbid, Jordan
Nationality: Jordanian
Marital status: Married with four daughters
Languages: Arabic-Native
English-Fluent

Home Address:

P.O. Box 398
Amman 11821, Jordan
Phone: (962)-6-5560475
E-Mail: khalidelsalem@hotmail.com

Office Address:

Department of Neurosciences
College of Medicine
Jordan University of Science and Technology
P.O. Box 3030
Irbid 22110, Jordan
Phone: (962) 2-7200600, ext 40706, 40702
Cell Phone: (962) 795 239843

Major Academic and Research Interests:

Clinical neurophysiology and neuromuscular diseases. Autoimmune neurological diseases like myasthenia gravis and multiple sclerosis. Peripheral neurological complications of medical diseases. Epidemiology of neurological diseases in Jordan. Medical and health professions education.

Certification:

1996 Medical Degree, Jordan University of Science & Technology (J.U.S.T.)
2002 American Board of Neurology
2002 Jordanian Board of Neurology
2003 American Board of Clinical Neurophysiology
2006 American Board of Electrodiagnostic Medicine
2008 Master Degree - Health Professions Education (Maastricht/Sues Canal universities)
2009 American Board of Neuromuscular Medicine

Training:

2001-2002 Clinical Neurophysiology and Neuromuscular Diseases Fellowship
Duke University Medical Center, North Carolina, USA

1998-2001 Neurology Residency, University of Arkansas for Medical Sciences, USA
1997-1998 Internship, University of Arkansas for Medical Sciences, USA
1996-1997 General medicine internship, Princess Basma Teaching Hospital, Jordan

Administrative posts:

2009- Acting Dean, Faculty of Graduate Studies, JUST, Jordan.
2007-2008 Vice Dean of Research, (J.U.S.T.), Jordan
2006-2007 Assistant Dean, College of Medicine, (J.U.S.T), Jordan
2005-2006 Head of Adult Neurology Division, (J.U.S.T), Jordan
2005-2006 Residency Program Director, Neurology, (J.U.S.T), Jordan
2000-2001 Chief Resident, Neurology, Univ. of Arkansas for Medical Sciences, USA

Academic posts:

2008-2009 Sabbatical leave from (J.U.S.T.), Saad Specialist Hospital, Khobar, KSA
2007- 2009t Associate Professor of Neurology, (J.U.S.T), Jordan
2007-2009t Member - Examination Committee for the Jordanian Board of Neurology
2002- 2007 Assistant Professor of Neurology, (J.U.S.T), Jordan

International Honors:

- 2007 Prize for best abstract presented at the 11th Congress of the European Federation of Neurological Societies (EFNS), Poster session 2, August 27th, 2007, Brussels, Belgium. The abstract was entitled: Elevated glycosylated hemoglobin is associated with subclinical neuropathy in neurologically asymptomatic type two diabetic patients, a prospective study.
- 2007 Selected by the Lindau Nobel Laureate Meeting Council to participate in the 57th Lindau Nobel Laureates Meeting for Medicine and physiology, 1-6 July, 2007, Lindau, Germany. About 500 young scientists were competitively selected worldwide to meet for one week with 20 Nobel laureates in medicine and physiology. Selection was based on academic and research performance. During this unique meeting, important talks by Nobel laureates were presented, in addition to small group discussions, panel discussions and seminars. Prospects for future research were discussed.

National Honors:

- 1988 National “Writing Scientific Research Prize” organized by the Ministry of Education (Ranked first in the kingdom).
- 1988 British Council prize for writing essays in English (Ranked first in the kingdom).
- 1990 First in the Kingdom in the General Secondary School Examination (GSSE) among 60,000 students, with an absolute average score of 98.3%.
- 1990 Granted full scholarship to study medicine by the Ministry of Higher Education.
- 1991 University Honor List for Distinguished Academic Performance (J.U.S.T.).
- 1991 College of Medicine Honor List for Distinguished Academic Performance (J.U.S.T.).
- 2003 Elected as chairman of the scientific committee of the Jordanian Neurological Association (served in this position for two years).
- 2006 Chairman of the local committee for the International Brain Research Organization course, Visiting Lecture Team Program (affiliated with UNESCO), J.U.S.T., which took place in July 2006.

Other Honors:

- 1999 Department of neurology appreciation (University of Arkansas for Medical Sciences) for ranking on the 93rd percentile in the national neurology Residency In -Training Examination (RITE), USA.
- 2000 Department of neurology appreciation (University of Arkansas for Medical Sciences) for ranking on the 98th percentile in the national neurology Residency In -Training Examination (RITE), USA.
- 2000 Elected as Chief resident and resident representative in the department of neurology, University of Arkansas for Medical Sciences.

Selected original journal articles:

- 1- **El-Salem K**, Ammari F, Khader Y, Dhaimat O. Elevated glycosylated hemoglobin is associated with subclinical neuropathy in neurologically asymptomatic diabetic patients: A prospective study. **J Clin Neurophysiol**. 2009;26(1): 50-53.
- 2- **El-Salem K** and Shakhathreh M. Prospective double-blind cross over trial of ibuprofen in EMG pain, **Muscle and Nerve** 2008; 38: 1016–1020.
- 3- Khader Y , Al-Zoubi D, Amarin Z , Alkafagei A, Khasawneh M, Burgan S, **El-Salem K**, Omari M. Factors affecting medical students in formulating their specialty preferences in Jordan. **BMC Medical Education** 2008, 8:32.
- 4- **El-Salem K**, Ammari F. Neurophysiological changes in neurologically asymptomatic hypothyroid patients: a prospective cohort study. **J Clin Neurophysiol**. 2006;23:568-572.
- 5- **El-Salem K**, Al-Shimmery E, Horany K, Al-Refai A, Al-Hayk K, Khader Y. Multiple sclerosis in Jordan: a clinical and epidemiological study. **J Neurol**. 2006;253(9):1210-6.
- 6- **El-Salem K**, Khader Y. Comparison of the natural history and prognostic features of early onset and adult onset multiple sclerosis in Jordanian population. **Clin Neurol Neurosurg**. 2007;109:32-37.
- 7- **El-Salem K**, Al-Shimmery E, Horany K, Al-Refai A, Khader Y. Early onset multiple sclerosis in Jordan: a retrospective analysis. **Journal of Pediatric Neurology**. 2006 (4):155-60.
- 8- Sanders DB, **El-Salem K**, Massey JM, McConville J, Vincent A. Clinical aspects of MuSK antibody positive seronegative MG. **Neurology** 2003 June 24;60(12):1978-80.
- 9- Daoud AS, Ajlouni S, **El-Salem K**, Horani K, Ootom S, Daradkeh T. Risk of seizure recurrence after a first unprovoked seizure: a prospective study among Jordanian children. **Seizure**. 2004 Mar;13(2):99-103.
- 10- Alrefai A, **El-Salem K**, Saadeh R, Balas H. A case report of cranial polyneuropathy in Behcet's disease. **Neurol Sci**. 2009 Oct 6. [Epub ahead of print].
- 11- Prevalence of Parkinson's Disease in Northern Jordan. Alrefai A, Hababbi M, Alkhawajah M, Darwish M, Batayha W, Khader Y, **El-Salem K**. **Clin Neurol Neurosurg**. 2009 Sep 4. [Epub ahead of print].

Selected presentations in international conferences and meetings:

- 1- **El-Salem K**, Ammari I, Khader Y, Dhaimat O. Elevated Glycosylated Hemoglobin is associated with subclinical neuropathy in neurologically asymptomatic type two diabetic patients, a prospective study. **11th Congress of the European Federation of Neurological Societies**, August 27th, **2007**, Brussels, Belgium.
- 2- **El-Salem K**, Aburahma S, Rawashdeh M. Peripheral Neurophysiological changes in Cystic Fibrosis Patients. **11th Congress of the European Federation of Neurological Societies**, August 27th, **2007**, Brussels, Belgium.
- 3- **El-Salem K**, Shakhathreh M. Ibuprofen reduces pain during needle electromyography: a prospective, randomized, double-blind, placebo-controlled trial. **59th Annual Meeting of the American Academy of Neurology** April 28th, **2007**, Boston, USA.

- 4- **El-Salem K**, Ammari F. Neurophysiological changes in neurologically asymptomatic hypothyroid patients: A prospective cohort study. **European Neurological Society (2005).**
- 5- D.B. Sanders, **El-Salem K**, J.M. Massey, J. McConville, and A. Vincent, Muscle Specific Receptor Tyrosine Kinase (MuSK) Positive Seronegative Myasthenia Gravis, Clinical Characteristics and Response to Treatment. **55th Annual Meeting of the American Academy of Neurology (2003).**
- 6- **K. El-Salem**, D.B. Sanders, J.M. Massey, J. McConville, and A. Vincent, Muscle Specific Receptor Tyrosine Kinase (MuSK) Positive Seronegative Myasthenia Gravis, Clinical Characteristics and Response to Treatment. **Myasthenia Gravis Foundation of America (2002).**
- 7- **K. El-salem**, J.M.Massey, Three patients with Features of Myasthenia Gravis and Motor Neuron Disease. **Myasthenia Gravis Foundation of America (2001).**

Memberships:

- Jordanian Physicians Association: 1997-Present
- American Academy of Neurology: 1998-Present
- Jordanian Neurosciences Association: 2002-Present
- Jordanian Chapter Against Epilepsy: 2003-Present
- Jordanian Multiple Sclerosis Society: 2005-Present

Administrative committees:

- Faculty of Medicine Council, J.U.S.T.: 2006-2008
- Faculty of Medicine- Higher Education Council: 2006-2007
- Faculty of Graduate Studies Council, J.U.S.T.: 2006-2007
- GME Committee, University of Arkansas for Medical Sciences (UAMS): 2000- 2001
- Quality Review Committee, UAMS: 2000-2001
- Residents' Council, UAMS: 2000-2001
- Performance Improvement Committee, UAMS: 2000-2001
- Core Curriculum Committee, UAMS: 2000-2001

Selected Workshops:

- 2008 Workshop on Curriculum Reform at Faculty of Medicine, JUST. 1-3/2/2008, Marriott Hotel, Dead Sea, Jordan.
- 2008 Scientific Research Workshop (Organizer), JUST 1-2/3/2008. Main lectures were given by Nobel laureate Prof. Ferid Murad.
- 2008 Multiple Sclerosis Workshop, JUST, 17/2/2007. (Organizer and keynote speaker).

- 2007 Workshop on Curriculum Reform at Faculty of Medicine, JUST. 5/2007. Moven Pic Hotel, Petra, Jordan.
- 2007 Clinical Assessment Workshop. 19-20/5/2007. Foundation for Advancement of International Medical Education and Research (FAIMER) at Faculty of Medicine. JUST. Irbid, Jordan.
- 2006 Education Technology (Testing and Evaluation- University Examinations) Workshop. 1-2/2/2006. The Consultative Center for Science & Technology. JUST. Irbid, Jordan.
- 2005 Organized Structured Clinical Examination (OSCE) Workshop. 6/2005. Faculty of Medicine. JUST. Irbid, Jordan.
- 2004 Education Technology (Effective Teaching Using Multimedia) Workshop. 27-29/9/2004. The Consultative Center for Science & Technology. JUST. Irbid, Jordan.
- 2003 Education Technology (Assessment and Evaluation) Workshop. 4-6/2/2003. The Consultative Center for Science & Technology. JUST. Irbid, Jordan.

Teaching experience:

- Director of Clinical Skills and Introductory Course for fourth year medical students, 2006.
- Neurosciences course for fifth year medical students, 2002-present.
- Neurosciences course for physical medicine and rehabilitation students, 2003-present.
- Neurosciences II course for third year medical students, 2004-present.
- Neurology residency didactic course, 2005-present..

Selected international conferences attended”

- 4/09 61st American Academy of Neurology Annual Meeting, Seattle, USA
- 4/08 60th American Academy of Neurology Annual Meeting, Chicago, USA
- 8/07 11th Congress of European Federation of Neurological Societies, Brussels
- 7/07 Lindau Nobel Laureates Meeting for Medicine, Lindau, Germany
- 6/07 Schering AG Multiple Sclerosis Meeting, St. Petersburg, Russia
- 4/07 59th American Academy of Neurology Annual Meeting, Boston, USA
- 11/06 Multiple Sclerosis Perceptorship, University of Ottawa, Canada
- 9/06 10th Congress of European Federation of Neurological Societies, Glasgow, UK
- 5/06 16th European Neurological Society Meeting, Lausanne, Switzerland
- 4/06 58th American Academy of Neurology Meeting, San Diego, California
- 7/05 Schering AG Multiple Sclerosis Symposium, Berlin, Germany
- 6/05 15th European Neurological Society Meeting, Vienna, Austria
- 6/05 Serono Multiple Sclerosis Regional Meeting, Moscow, Russia
- 5/05 14th European Stroke Conference, Bologna, Italy
- 2/05 Pan Arab Neurology Meeting, Jeddah, KSA
- 2/05 Biogen Idec Multiple Sclerosis Symposium, Beirut, Lebanon

9/04 8th Congress of European Federation of Neurological Societies, Paris, France
 6/04 14th European Neurological Society Meeting, Barcelona, Spain
 4/02 54th American Academy of Neurology Meeting, Denver, Colorado, USA
 5/01 53rd American Academy of Neurology Meeting, Philadelphia, Pennsylvania, USA
 4/00 52nd American Academy of Neurology I Meeting, San Diego, California, USA
 3/00 Bowman Grey Epilepsy Mini-Fellowship, Wake Forest, North Carolina, USA

Selected invited lectures:

- 8/08: Jordanian Neurological Association. Electromyography Signals. Amman, Jordan.
- 5/08: Syrian Neurological Association. New Interventions in Multiple Sclerosis. Damascus, Syria.
- 5/07: University of Arkansas for Medical Sciences. Neurophysiological changes in medical diseases (Grand Rounds). Little Rock, Arkansas.
- 7/06: International Brain Research Organization course- Visiting Lecture Team Program (affiliated with UNESCO). Clinical aspects of MuSK antibody myasthenic patients. J.U.S.T. Irbid, Jordan.
- 2/05: Jordanian Neurological Association. Neurophysiology of myasthenia gravis. Amman, Jordan.
- 3/04: Ain Shams University (Adel Sadeq Psychiatry Hospital, Cairo, Egypt). Board review of neurophysiology for psychiatry residents. Cairo, Egypt.
- 4/04: Epilepsy Symposium. Antiepileptic medications-molecular mechanisms of action. Sana, Yemen.
- 2/04: Jordanian Neurological Association. Anticholinergic medications and neurophysiology of dementia. Amman, Jordan.
- 3/04: King Abdullah University Hospital (Grand Rounds). Spectrum of paraneoplastic neurological diseases. Irbid, Jordan.
- 3/03: King Hussein Cancer Center. Neurophysiological characteristics of paraneoplastic peripheral neurological diseases. Amman, Jordan.
- 5/02: Duke University Medical Center (USA). Anti-MuSK antibodies and seronegative myasthenia gravis (Grand Rounds). Durham, North Carolina.
- 4/01: University of Arkansas for Medical Sciences (USA). Seronegative Myasthenia Gravis (Grand Rounds). Little Rock, Arkansas.

Selected social contributions:

- Volunteer and member of the Jordanian Multiple Sclerosis Society, providing free-of-charge care as a neurologist for multiple sclerosis patients once monthly.

- Volunteer and member of the Jordanian Chapter Against Epilepsy.
- Volunteer for multiple charity medical days in underprivileged areas in Jordan including villages in Kerak and Jerash.

References:

- 1- Professor Wajih Owais, President of Jordan University of Science and Technology. PO Box 3030, Irbid 22110, Jordan.
- 2- Sami I. Harik, M.D., Professor & Chairman, Dept of Neurology, University of Arkansas for Medical Sciences, 4301 West Markham Street, Slot#500, Little Rock, Arkansas 72205, Tel: (501) 686-7236, Fax: (501) 686-8689.
- 3- Donald B. Sanders, M.D., Professor of Neurology, Duke University Medical Center. Neurology, Room 1255 Clinic 1 L (South) Trent Drive, Durham, NC 27710. Tel: (919) 684-6078, Fax: (919) 660 3853.
- 4- James Schmidley, M.D., Professor & Vice Chairman, Dept of Neurology, University of Arkansas for Medical Sciences, 4301 West Markham Street, Slot#500, Little Rock, Arkansas 72205, Tel: (501) 686-7236, Fax: (501) 686-8689.
- 5- Janice Massey, M.D., Professor of Neurology, Duke University Medical Center Neurology, Room 1255 Clinic 1 L (South) Trent Drive, Durham, NC 27710 Tel: (919) 684-5196, Fax: (919) 660 3853.
- 6- Stacy Rudnicki, M.D., Professor of Neurology, Dept of Neurology, University of Arkansas for Medical Sciences, 4301 West Markham Street, Slot#500, Little Rock, Arkansas 72205, Tel: (501) 686-7236, Fax: (501) 686-8689.
- 7- Fawzi Banat, Dean of Research (2005-2009), Professor of Chemical Engineering, Jordan University of Science and Technology. PO Box 3030, Irbid 22110, Jordan.
- 8- Tawfik Daradkeh, M.D., Chairman of Department of Neurosciences, Professor of Psychiatry, Jordan University of Science and Technology. PO Box 3030, Irbid 22110, Jordan.



Moh'd Mah'd Abdel-Latif Al Barbarawi, M.D.

NAME:	Moh'd Mah'd Abdel-Latif Al Barbarawi
DATE OF BIRTH:	14 December 1967
PLACE OF BIRTH:	Amman
NATIONALITY:	Jordanian
MARITAL STATUS:	Married

ADDRESS level 7, Department of Neuroscience.
Section Neurosurgery /Faculty of Medicine
Jordan University of Science and Technology (JUST)
King Abdullah University Hospital. (KAUH)

PO box 3030. code 22110
Irbid-Jordan

QUALIFICATIONS

June 1985 **HSC** (High School Certificate), Amman

July 1991 **M.D**, Faculty of Medicine, Damascus University.

June 1999 **CHSM**. Higher Specialisation Degree in Neurosurgery, Faculty of Graduate Studies, University of Jordan.

August 1999 **Jordanian Board Certificate in Neurosurgery.**

January 2002 **Clinical Fellowship in Neurosurgery**, John Hunter Hospital Faculty of Medicine, Newcastle University, Australia.

January 2003 **Clinical Fellowship in Neurosurgery**, Royal North Shore Hospital, Northern Clinical School of the University of Sydney, Australia.

January 2004 **Clinical Fellowship in Cerebrovascular Neurosurgery**, Sydney Aneurysm And AVM Neurosurgical Centre, Northern Clinical School of the University of Sydney.

Current Position:

- 1- Assistant professor, faculty of medicine; JUST.
- 2- Consultant neurosurgeon at KAUH.
- 3- Head of department of neurosurgery. Faculty of medicine /JUST and KAUH
- 4- Member of the neurosurgery scientific committee/ Jordanian medical board.
- 5- Former neuroscience coordinator of the medical students. Faculty of medicine/JUST

Published Papers:

- 1- Management of Massive Calcified Transdural Thoracic Disc Herniation.
Journal of Clinical Neuroscience 2003 .FIRST AUTHOR
- 2- Haemorrhagic Brain Metastasis from a Thymic Carcinoma.
Journal of Clinical Neuroscience 2003.FIRST AUTHOR
- 3- Brain Metastasis from Ovarian Carcinoma.
Journal of Clinical Neuroscience 2004. FIRST AUTHOR

4- Protection of the C1 Posterior Arch in Atlantal Lateral Mass Fixation.

Technical note. Journal of Clinical Neuroscience 2005. FIRST AUTHOR

In this paper I published a new technique used in atlanto-axial stabilization with Complete protection of the posterior arch of C1 since old techniques compromise this arch which affects the stability in future

5- Conus medullaris ganglioglioma in a child and review of the literature

Pan arab journal of neurosurgery. Oct/ 2008. FIRST AUTHOR

6- Cerebellar glioblastoma multiforme. A report of two cases and review of the literature.

Neurosciences Journal Jan/2009. FIRST AUTHOR

7. Intramedullary - spinal cord abscesses. Experience with 4 cases a. pathophysiology and outcome .

April/2009 European journal of spine. First author

A study performed on 4 patients suffered from intramedullary spinal cord abscess , this include the literature review and the outcome

8- Management of spinal cord cavernous haemangioma.

Jordan medical journal July/2009. FIRST AUTHOR

9- Therapeutic approaches to the management of cerebral vasospasm complicating ruptured aneurysm.

/ Neurology International Journal sep/2009

In this study I reviewed 52 patients treated for aneurysmal subarachnoid haemorrhage. I introduced a protocol to deal with patients complicated with vasospasm by applying medical and endovascular treatment options and using barbiturate- induced coma to deal with symptomatic vasospasm with excellent results.

10- Emergency Decompressive Craniectomy for Trauma patients with Glasgow Coma Scale of 3 and Bilateral Fixed and Dilated Pupils.

European Journal of Trauma and Emergency Surgery. Second author.

11- SURVIVAL TIPS FOR MEDICAL STAFF

Guidelines management of spontaneous intracranial haemorrhages used at king Abdullah university hospital, Jordan university of science and technology
Written by A/ Professor. Mohamed Barbarawi

APPROVED BY:

Division of neurosurgery, Department of Neuroscience, Faculty of Medicine

Jordan University of Science and Technology.

Pending studies and papers

- 1- Decompressive cervical spine Laminectomy and lateral mass fixation. Analysis of 50 cases.
- 2- Surgical approaches for radical resection of cervical spine lesions. Analytical review and surgical experience with correlation to the vertebral artery.

.Researches:

I am presently conducting a research on "Molecular Genetics in development of intracranial saccular aneurysms" on patients suffering ruptured aneurysm

Workshops and courses:

1 June, 2009

Workshop on percutaneous cervical discectomy. Jordan University of science and technology
Irbid-Jordan

17 March ,2009

Scientific neurosurgical meeting
Organiser and participant.
Irbid- Jordan

16-18, Jan 2009

WFNS course
Amman- Jordan

25-26, October 2008

IGASS Forum Middle-east. Spine updates: deformities, trauma and degenerative
Dead sea- Jordan

16-18, April 2008

Annual scientific meeting of the faculty medicine.
participant
Irbid- Jordan

19-20 May, 2007

Workshop in lumbar artificial disc implants. France

19-20 March, 2007

Pan Arab conference of spine. UAE

13-15 November, 2006

Workshop in Artificial cervical disc implants. France

November 16,2006

Ballon kyphoplasty training program. Amesterdam- Netherland

1-6 July, 2006

National Arab American medical association "NAAMA"
Participant
Amman- Jordan

26-28 August, 2005

Pan Arab neurosurgical society spine course and hands on workshop

13-15 June, 2005

Objective structured clinical examination "OSCE"
Organized by the faculty of medicine and Wilson centre in education, university of
Toronto

27-28 April, 2005

5th annual scientific meeting of the faculty of medicine

23-26 September, 2004

Pan Arab Neurosurgical society Vth congress
Amman –Jordan

6 December, 2003

Workshop focused on Recent Advances in Endovascular Therapy of Intracranial
Aneurysms. Sydney- Australia

16-19 August, 2003

Annual scientific meeting of the neurosurgical society of Australasia.
Queenstown- New Zealand

5-9 May, 2003

Annual scientific congress, Royal Australasian College of Surgeons
Brisbane –Queensland

17 May, 2003

One day trauma education seminars
Sydney -Australia

16 February, 2002

A certificate in Radiation Protection Course in X- ray Fluoroscopy for Medical
Specialists. Sydney- Australia

16-19 September, 2001

12th Congress of World Federation of Neurosurgery
Sydney, Australia

27-29 March, 2000

WFNS Neurosurgical Course – Amman-Jordan

18-20 September 1999

Middle East Spine Group Congress – Amman-Jordan

16-18 September 1996

28-30 October 1996

Jordanian-Spanish Conference included:

Workshop on Neuro endoscopy

Workshop on Anterior Cervical Discectomy with Fusion (Otero's Methods).

Clinical experiences

Feb 2004 - to present

- 1- Consultant neurosurgeon at king Abdullah university hospital.
- 2- Assistant professor in the faculty of medicine at JUST.
- 3- Member of the neurosurgery scientific committee/ Jordanian medical board.

21.1.02 – Jan 2004 Royal North Shore Hospital (RNSH). University of Sydney, Fellow-Neurosurgery.

RNSH is located in St Leonard's, North Sydney. It is one of the largest hospitals in NSW that provides the medical services to Northern Sydney Area Health and tertiary referral hospital to NSW with teaching purposes through its association with University of Sydney and University of Technology. The Neurosurgery Department is an integrated and highly qualified centre in which it covers the variant sub-specialties in neurosurgery that includes Neuro-vascular Surgery, Trauma, Spine Surgery, Neuro-oncology, Skull Base Surgery and Peripheral Nerve Surgery.

I had special interest in cerebrovascular surgery for which I exclusively spent a 12 months' training period in this field. I was exposed to variable sophisticated surgical techniques dealing with complicated cerebrovascular lesions such as aneurysms, AVM, vasculopathy and strokes and using the Orbito-Pterional approach for the most cases as follows:

Direct clipping of aneurysms of various locations.

Aneurysmorrhaphy.

Giant aneurysm management.

AVM resection of different locations

EC-IC ICA with SVG bypass surgery.

STA- MCA bypass surgery

ICA endarterectomy

Clinical experience in endovascular embolisation:

25.3.01- 20.1.02

John Hunter Hospital (JHH). University of Newcastle, Senior Registrar – Neurosurgery.

The John Hunter Hospital is located at Lookout Road, New Lambton, NSW 2305.

The hospital is classified as a tertiary referral Centre with an emphasis on teaching. This is evident through the JHH association with The Newcastle University. The Neuroscience Unit provides services for referral to the Upper and Lower Hunter region, with complex and dynamic case presentations.

22.12.99-23/3/01.Full Time Lecturer at Jordan University of Science & Technology

J.U.S.T. was founded in 1985 and Faculty of Medicine started at that time. I was working in teaching affiliated hospitals Princess Basma and Princess Rahma Hospitals. As a Lecturer I was responsible for teaching medical students, residents and nurses and this is besides my work as a Neurosurgeon

responsible for inpatients, outpatients and conducting operations.

01.07.99 – 21.12.99 Neurosurgery fellow – Neurosurgical Unit Associate Team

I had the chance to see a lot of complicated Neurosurgical cases and this allowed me to gain acceptable knowledge and experience in dealing with Neurosurgical problems either surgically or conservatively.

01.07.93 – 30.06.99 Neurosurgical Programme

Neurosurgical residency program (six year academic) at the Jordan University Hospital, Faculty of Graduate Studies, University of Jordan as follows:

01.07.93 – 30.06.94 Resident in General Surgery

The job description was varied. This included:

Direct involvement with patients on clinical and management bases

Orchestrating two Outpatient's Department Clinics per week

Attendance in the operating suite once per week to gain practical experience

Assisting the Consultant or peers

The surgical role was diversified to include minor and major surgery in surgical specialities

From the practical aspect there was an opportunity to develop learning and practical skills in the management of surgical emergencies including various types of trauma

My rotation in general surgery included:

Oncology 4 months

GI Surgery 2 months

Emergency 1 month

Vascular 1 month

Plastic Surgery 4 months

01.07.94 – 30.06.95 Neuroscience Rotation

To gain expertise and specialisation in the field of Neuroscience Degree, staff was involved in a rotation programme to include:

- 1. Neurology** - For six months.
Assessment and development of skills for neurological examination, attending OPD in assessing the neurological patients in the clinic, within the unit and the Emergency Department. The role included the attendance of three clinics per week, which were Neurophysiological studies eg EEG, EMG and Nerve Conduction study per a week.
- 2. Neuro-anaesthesia** - For two months.
Exposure to methods of General Anaesthesia and Neuroanaesthesia, understanding the implication of intubation and pre and post operative care of patients. The clinical role also included management of Neurotrauma, Surgical and Medical cases.
- 3. Neuro-radiology** - For two months.
Developed skills in radiological examination of plain x-rays, CT scans and MRI of CNS.
- 4. Neuro-Ophthalmology** - For one month.
Assessment of various diseases of the optic nerves, ophthalmoplegia and orbital regions.
- 5. Neuropathology** - For one month.

Developing and understanding various types of gross and histopathological changes of CNS, such as tumours, congenital anomalies, infections and intracranial haemorrhages including general pathology.

1.7.93- 30.6.99 NEUROSURGERY PROGRAMME

After two years rotation, I commenced the Neurosurgery programme. The first year of my training included the management of inpatients, preparation for surgery and post-operative management. Besides that, I was directly Involved in managing patient with Neurotrauma or multiple traumas. Another feature of my training included Outpatient clinics and neurosurgical operations as first or second assistant.

During second and third year of training I had the opportunity to get involved in a variety of Neurosurgical operations alone or supervised.

Fourth year I was the chief resident responsible for residents and fifth year medical students in addition to the Neurosurgery Department teaching activities.

NEUROSURGICAL EXPERIENCE

Aneurysmal Surgery

Performed lots of cases in different locations within the anterior and posterior circulation, besides that, I have the opportunity to assist in treating the highly complicated giant aneurysms by using a wide variety of surgical approaches.

Endovascular intervention.

To integrate my orientation when dealing with a neurovascular disease I have attended many endovascular intervention procedures for coiling of aneurysms, embolisation of large AVM and endovascular stenting

A.V.M.

I have done many cases of surgical excision of AVM in variant locations. *I am just recently resected a large AVM of M-M grade III from the left fronto- temporal lobes with excellent result and no residual AVM*

Vascular anastomosis. (ECA-ICA Bypass Surgery)

Attended many intracranial-extracranial bypass surgeries that include superficial temporal artery to middle cerebral artery anastomosis, CCA-ICA LSVG. Vertebral artery transposition, CCA endarterectomy

Trauma

I have good skills in management of various types of head trauma. I have operated upon a multitude of cases of extradural haematoma, subdural haematoma with different ages, intracerebral bleed, depressed skull fracture, degloving injuries and compound wounds. In spinal injuries I did and helped in many cases of cervical, thoracic and lumbar injuries which required either external or internal fusion. by using variable spinal fusion techniques such as gillie, brooks, lateral mass, transpedicular, trans articular, screws and plates etc.

Tumours

I have a wide range of experience in treating different types of intracranial and intraspinal tumours, such as high-grade glioma, meningiomas, skull base tumours, spinal cord meningioma and other sophisticated tumours.

Neural Tube Defect (NTD)

I have done lots of NTD cases of spinal and cephalic meningoceles, meningomyeloceles, and hydrocephalus. I have done many cases of complicated closed NTD syndrome such as tethered cord, diastematomyelia and Chiari malformation repair of different types.

Spine surgery

I have a good experience in spine surgery, treating variable pathologies of trauma, tumours, disc diseases and degenerative disorders. Using simple and instrumental techniques of different types. I have done variable approaches of anterior and posterior cervical spine surgery using **Cloward, Smith-Robinson and Casper** techniques. More recently, I gained a good experience in **Lateral Mass Fusion** and **Trans Pedicular Screws** for spinal fusion.

I have also done many cases of Trans **thoracic** approaches for nucleus pulposus herniation surgery and **thoracic corpectomy and fusion using cage and plates**; I have also used different techniques to deal with various spinal degenerative diseases and spinal metastases

Epilepsy Surgery

Assisted in a few cases

Shunt surgery

Assisted and did many cases of V-P shunt, V-A shunt, V-PL shunt and theco-peritoneal shunt

Infections

Assisted and did many cases of brain and spinal cases of infection

Stereotactic Surgery

Assisted and did a lot of cases

Gamma Knife Surgery

Attended a lot of cases of different lesions with their follow up.

OTHER CLINICAL EXPERIENCE

15.11.92 – 31.06.93

Locum Resident in Neurosurgery Department, Jordan University Hospital

19.10.91 – 01.10.92 – Internship

Al-Bashier Hospital, Amman – Jordan

It included the following rotations:

General Surgery	3 months
General Medicine	3 months
Paediatrics	2 months
Obstetrics & Gynaecology	2 months
Accident & Emergency	1 month

Continuing Education Program at RNSH:

Weekly Neuro-Radiology conference.
Weekly Neurology-Neurosurgery meetings.
Weekly Neuro-Vascular meeting
Fortnightly Spinal Pathology meeting
Fortnightly Neuropathology meeting
Monthly Mortality and Morbidity meeting.
Every 2 months Neuro-Oncology meeting

Continuing Education Program at JHH:

Weekly Neurology –Neurosurgery meeting.
Weekly Neuro-radiology meeting
Monthly Neuropathology meeting
Monthly Audit Conference.
Monthly Endocrine meeting.

Continuing Education Program in Jordan:

Daily educational activity in the department this included:
Journal Club every week
Mortality and morbidity conference monthly
Flee market and case presentation weekly
Two seminars per week
Neuroscience meeting every two weeks

Membership:

Jordan Medical Association 1991
Jordan Neurosurgical Association 1999
NSW Medical Board
International member of Australasia Neurosurgical Society

Ambition:

Treating patients with complicated neurovascular lesion.
Giving a hope to those patients to have a normal life or good life quality when getting disability.
To improve my skills in Neurovascular
To share in researches that may help patients
To be an asset to my homeland and people

REFEREES

Professor Michael K Morgan. FRACS
University of Sydney
Aneurysm and AVM Neurosurgeon
RNSH - Sydney

DR Nicholas Little. FRACS

Head of Neurosurgery Department
Senior Lecturer university of Sydney
RNSH - Sydney

Associate Professor Lali Sekhon. FRACS
Spinal Neurosurgeon
University of Sydney
RNSH - Sydney

Dr Raymond Cook. FRACS
Functional and Oncology Neurosurgeon
RNSH – Sydney

Dr Michael Biggs. FRACS
Skull Base and Peripheral Nerve Neurosurgeon
RNSH – Sydney

Dr Tony J Bookallil. FRACS
Neurosurgeon
John Hunter Hospital
Director of Neurosurgery JHH

Dr Peter J Spettaler. MBBS FRACS
Neurosurgeon
John Hunter Hospital

Dr John CHRISTIE. FRACS
Neurosurgeon
John Hunter Hospital

Professor Waled Maani. FRACS
Consultant Neurosurgeon
Jordan house senator
Former Head of Department of Neurosurgery
Former President of Jordan University
Former minister of health.
Former minister of high education

Dr Ishaq Maraqua
Consultant Neurosurgeon
Former Minister of Health
Associate Team, Jordan Clinic

Professor Ahmed Tamimi
Head department of neurosurgery
University of Jordan and Jordan university hospital
Former dean faculty of medicine moa'ta university

Professor Tawfiq Daradkah
Professor of psychiatry
Head department of neuroscience

Jordan university of science and technology
King Abdullah university hospital

Dr Moh'd Abu Jamous

Consultant neurosurgeon. KAUH
Assistant professor. Faculty of medicine; JUST

Dr Hytham al Oqaily

Consultant neurosurgeon. KAUH
Assistant professor. Faculty of medicine; JUST



Ali Hussein Alrefai, MD

Personal Information:

Name: Ali Hussein Alrefai, MD
Date of Birth: April 12, 1969
Place of Birth: Zarqa, Jordan
Nationality: Jordanian
Marital status: Married
Languages: Arabic – Native
English – Fluent

Home Address:

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Phone: 00-962-2-7271-560
E-Mail: ahalrefai@yahoo.com

Office Address:

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Jordan University of Science and Technology
King Abdullah University Hospital
P.O. Box 630001
Irbid, Jordan 21110
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Fax: (962) 2-7200-621

Cell Phone: (962) 79-5243397
ahalrefai@yahoo.com

Current Appointments:

2007-Current: Neurology Residency Program director at Jordan University of Science and Technology
2006- Current: Chief Neurology Section- Department of Neuroscience at Jordan University of Science and Technology-King Abdullah University Hospital
2002- Current: Assistant Professor, Department of Neuroscience at Jordan University of Science and Technology-King Abdullah University Hospital
2002- Current: Neurologist, Clinical Neurophysiologist at King Abdullah University Hospital

Education:

Board Certification:

May 2009 Diplomat, American Board of Clinical Neurophysiology (Certificate number 1821)

May 2003 Diplomat, American Board of Neurology and Psychiatry (Certificate number 52151)
February 2004 Jordanian board of Neurology

(ECFMG) Certification:

February 2000 (Permanent).

Medical Degree (M.D.):

June 1993 Jordan University for Science & Technology (J.U.S.T) M.B.B.S

Medical Licenses:

2008 Indiana Medical License No. 01065751A
2003 Indiana Medical License No. 030539
1994 Jordanian License, 1994

Work Experience and Professional Training:

2001-2002 Movement Disorders Fellowship at University of Texas-Houston, (UT- Houston Medical Center), Houston, Texas
2000-2001 Clinical Neurophysiology Fellowship at (UT-Houston Medical Center), Houston, Texas
1997-2000 Neurology Residency at University of Arkansas for Medical Sciences, (UAMS). Little Rock, Arkansas
1996-1997 Medicine Internship at University of Arkansas for Medical Sciences, (UAMS), Little Rock, Arkansas
1995-1996 Medicine Internship at Jordan University
1994-1995 General Practitioner at J.U.S.T health Center
1993-1994 Rotating Internship at Princess Basma Teaching Hospital affiliated with J.U.S.T Medical School

Expertise and Research Interest:

Anatomical correlates of tonic spasms in multiple sclerosis (Ongoing research)
Validating Arabic translation of Wearing-off Questionnaire-9 in patients with Parkinson's disease (Ongoing research)

Neurophysiological findings of Peripheral Nerve Injury in children, an epidemiological study (Ongoing research)
 Botulinum Toxin in Neurological disorders
 Programming of deep brain stimulator for Parkinson's disease and other related movement disorders
 Intrathecal Baclofen pump in the treatment of spasticity

Other Work Related Administrative Responsibilities:

2007-Current	Neurology Residency Program Director at JUST
2004- 2005	Neurology course director for fifth year medical students at JUST (M555)
2003- 2004	Neurology course director for fifth year medical students at JUST (M555)
Fall 2002	Neurology course director for physiotherapy students (M326)
2002-2003	Member of the Medical Committee at the J.U.S.T Health Center
2001- 2002	Director of Movement Disorders lectures for Neurology Residents, UT-Houston Medical Center, Houston-Texas
2001- 2002	Neurology course director for fourth year Medical Students, UT-Houston Medical Center, Houston-Texas
1999- 2000	Chief Resident, Department of Neurology, UAMS Medical Center, Little Rock, Arkansas

Publications:

1. **Ali Alrefai**, Khalid El-Salem, Ruba Saadeh, Hassan Al-Balas. A case report of Cranial Polyneuropathy in Behcet's disease. *Neurological Sciences* 2010 Feb; 31:83-85.
2. **Alrefai Ali**, Majed Hababih, Mohammad Alkhawaja, Mohammad Darwish, Waleed Batayha, Yousef Khader, Khalid El-Salem. Prevalence of Parkinson's disease in Northern Jordan. *Clinical Neurology Neurosurgery* 2009 Dec; 111 (10): 812-15
3. **Alrefai Ali**, Aburahma Samah, Khader Yousef. Treatment of sialorrhea in children with cerebral palsy: a double-blind placebo controlled trial. *Clinical Neurology Neurosurgery* 2009 Jan; 111(1): 79-82
4. Samah K. Aburahma, Taiseer Al-Khateeb, MScD, **Ali Alrefai**, Zouhair Amarin. Botulinum toxin A injections for the treatment of Schwartz-Jampel syndrome: a case series. *Journal Child Neurology* 2009 Jan, 24(1): 5-8.
5. Ashley J Hood, Silvia C Amador, Ashley E Cain, Kevin A Briand, **Ali H Al-Refai**, Mya C Schiess and Anne B Sereno. Levodopa slows prosaccades and improves antisaccades: An eye movement study in Parkinson's disease. *Journal of Neurology Neurosurgery and Psychiatry* 2007 Jun; 78(6):565-70.
6. Khalid El-Salem, Ehsan Al-Shimmery, Khalid Horany, **Ali Al-Refai** and Yousef Khader. Early onset multiple sclerosis in Jordan: a retrospective analysis. *Journal of Pediatric Neurology* 2006; 4(3): 155-160

7. El-Salem K, Al-Shimmery E, Horany K, **Al-Refai A**, Al-Hayk K, Khader Y. Multiple sclerosis in Jordan: a clinical and epidemiological study. *Journal of Neurology* 2006 Sep; 253(9): 1210-1216

Abstracts and Presentations at Professional Meetings:

1. Neuropathy and Multiple acyl-CoA Dehydrogenase deficiency, presented at the 23rd Carrel-Krusen Symposium, Texas Scottish Rite Hospital for Children; February 2001; **A.H. Alrefai**, Diane S. Roe, Charles R. Roe, Mazen M. Dimachkie, Houston, TX
2. Cain, A.E., Amador, S.C., **Alrefai, A.H**, Schiess, M.C., and Sereno, A.B. Medications increase reflexive saccade latencies in Parkinson's disease Patients. Society for Neuroscience Abstracts, (28) 2002.
3. Cain, A.E., Amador, S.C., Briand, K.A., **Alrefai, A.H**, Schiess, M.C., and Sereno, A.B. Medications reduce errors in antisaccade tasks in Parkinson's disease patients. 7th International Congress of Parkinson's disease and Movement Disorders, November 2002.
4. Intramedullary Glioblastoma Multiforme (Clinicopathological correlate), UAMS
5. Gliomatosis Cerebri (Clinicopathological correlate), UAMS
6. Amyotrophic Lateral Sclerosis (Clinicopathological correlate), UAMS
7. Craniopharyngioma (Clinicopathological correlate), UAMS
8. Cerebral Amyloid Angiopathy and Leukoencephalopathy (Clinicopathological correlate), UAMS
9. Malignant Melanoma (Clinicopathological correlate), UAMS
10. Polymyositis (Clinicopathological correlate), UAMS

Invited Lecturer:

1. "Management issues in Parkinson's disease". A lecture to the Jordanian Neurological society, July 2008.
2. "Updates in Parkinson's disease" (Grand Round), at University of Arkansas for Medical Sciences (UAMS), April 2008
3. "Thrombolytic therapy in the management of stroke" (Grand Round), at King Abdullah University Hospital, July 2007
4. "Intrathecal Baclofen Pump, a novel therapy for spasticity" (Grand Round), at King Abdullah University Hospital, December 2003
5. "Botulinum Toxin Treatment of Neurological Disorders". Grand Round at King Abdullah University Hospital, Jordan 2003.

6. "Vasculitic Neuropathy", (Grand Round), UAMS, Little Rock, Arkansas, May 2000
7. "Neurologic Complications of Coronary Artery Bypass Graft (CABG)", (Grand Round), UAMS, March 2000

Meetings attended:

1. 13th International Congress of Parkinson's disease and Movement Disorders: June 2009, Paris, France
2. 61st Annual American Academy of Neurology Meeting: April 2009, Seattle, WA.
3. 12th International congress of Parkinson's disease and Movement Disorders: June 2008; Chicago, IL.
4. European Neurological Society (ENS): June 2008; Nice, France.
5. 60th Annual American Academy of Neurology Meeting: April 2008, Chicago, IL.
6. 23rd Congress of European committee for Treatment and Research in Multiple Sclerosis (ECTRIMS): September 2007; Prague, Czech Republic.

7. 11th International congress of Parkinson's disease and Movement Disorders: June 2007; Istanbul, Turkey.
8. Multiple Sclerosis preceptor ship: November 2006; Toronto, Canada.
9. 23rd Congress of European committee for Treatment and Research in Multiple Sclerosis (ECRTIMS): September 2006; Madrid, Spain.
10. European Federation of Neurological Society (EFNS): September 2006; Glasgow, UK.
11. ECTRIMS/ACTRIMS: September 2005; Thessaloniki, Greece.
12. Dysport master class: November 2004; Cozumel, Mexico.
13. European Neurological Society (ENS): June 2004; Barcelona, Spain.
14. 52nd Annual American Academy meeting: April 2000; Toronto, Canada.

Memberships in Professional Societies:

American Academy of Neurology
 Jordan Neurological Society
 Jordan Medical Association

Honors and Awards:

2002 Certificate of Appreciation for Excellence in teaching neurology residents, UT-Houston Medical Center
 1988 J.U.S.T. Medical School Honor List



Ziad Ali Abdullah Mustafa, M.D.

Personal Information:

Name: Ziad Ali Abdullah Mustafa.
 Birthday: 10/12/1963.
 Place of Birth: Hatim.
 Nationality: Jordanian.
 Place of Residency: Irbid/Jordan.

Qualifications:

Secondary School Certificate / Jordan 1982.
 Bachelor of Medicine / Aleppo University/Syria 1988.
 Certificate of Higher Specialty of Orthopedics /Jordan University/Jordan 1997.
 Jordanian Board of Orthopedics / Jordan 1997.
 Orthopedic specialist in Jordan University Hospital 18/10/1997-18/09/1999.

Orthopedic Specialist in Jordan University of Science & Technology 25/09/1999-31/01/2001.
Fellowship of Spinal Surgery/ KKL-Heidelberg University/ Germany 07/02/2001-23/11/2003.

Current Job:

Assistant Professor Orthopedics & Spine Surgery at Jordan University of Science & Technology since 02/12/2003.
Head of Orthopedic Department in King Abdullah University Hospital.

Spinal Surgery Experience:

6 years of different fields of spinal surgery including traditional and minimal invasive surgery.

Teaching Experience:

Orthopedic course for 5th year medical students (every 2 weeks we clinical and oral examination for about 22 students).
Teaching of orthopedic residents (every year we do clinical, oral and written examination for about 15 residents)
Participate in clinical examination of the graduated medical students.

Membership:

Jordanian medical association.
International Group for Advance Spine Surgery (IGASS).
AO Spine.
Jordanian Orthopedic Board Examiner 01/01/2010.