



JORDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY

## Curriculum Vitae

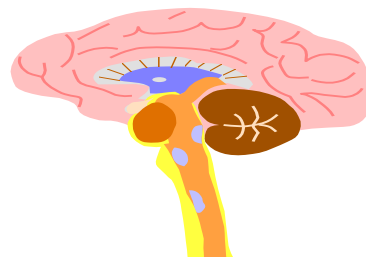
### 1) *Professor. Moh'd Mah'd Abdel-Latif al Barbarawi*

#### **Postal address**

Level 7A, Department of Neuroscience.  
Division of neurosurgery faculty of medicine  
Jordan University of Science & Technology  
PO Box 3030 zip code 22110.  
Irbid-Jordan  
Telephone: 00962 79 5080012  
00962 79 9096807

Nationality : Jordanian  
Canadian

E-mail: [dr\\_barbarawi@yahoo.com](mailto:dr_barbarawi@yahoo.com)  
[mmalbarbarawi@just.edu.jo](mailto:mmalbarbarawi@just.edu.jo)



## 2) Degrees

September 2016 **PESCI. ACRRM, Australia**

March 2013 **Australian Medical Council Advanced standing certificate. ASC. Australia**

December 2012 **Licentiate of the Medical Council of Canada. LMCC. No: 119020, Canada.**

October 2012 **Medical Council of Canada Qualifying Exam II. MCCQEII, Canada.**

October 2011 **Medical Council of Canada Qualifying Exam I. MCCQE I, Canada**

March 2011 **Medical Council of Canada Evaluating Exam. MCCEE, Canada.**

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

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

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

June 1999 **CHSM. Higher Specialisation Degree in Neurosurgery**, Faculty of Graduate Studies, University of Jordan. **No: 278, Jordan.**

Sep 1999 **Jordanian medical council in Neurosurgery. No: 2469, Jordan.**

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

## 3) Employment History

**Professor of Neurosurgery.** Department of Neurosurgery. Faculty of medicine / Jordan University of Science and Technology. As of December,2015

September 2008 to present . **Head department of neurosurgery**, faculty of medicine /JUST & KAUH.

February 2004. **Consultant neurosurgeon.** King Abdullah University Hospital

September 2008 to present. **Director, Residency training programme to present**

August, 2008- present. **Member of the neurosurgery scientific committee** and neurosurgery medical board examiner/ Jordanian medical board.

September 2012 – Jan 2015. **Head department of Neuroscience.** Faculty of medicine /Jordan University of Science and Technology (JUST) and King Abdullah University Hospital (KAUH).

September 2010- 2011. **Assistant dean.** faculty of medicine/JUST

March 2005-2011. **Assistant professor.** Faculty of medicine / JUST

February 2201011-5. **Associate professor**, faculty of medicine /JUST

March, 2004. **Lecturer** at the undergraduates, post graduates and continuing medical education in the medical practice. JUST

2004- 2005. **Full time lecturer.** Faculty of Medicine / JUST.

**English proficiency :**

**OET: (Occupational English Test) rank A & B in all subsets. 2008 , 2012, 2014.**

**IELTS: RANK 7 in all subsets 2010.**

**4) Honours.**

**2016.** Certificate of appreciation and medical souvenir. Jordanian neurology surgery society & MAISSN. Jordan

**2012.** Certificate of appreciation and medical souvenir. faculty of medicine. JUST/ Jordan

**2012.** Certificate of appreciation and achievement reward. Sirt university/ Libya

**2011.** Certificate of appreciation and achievement reward. Ha'il University/ Saudi Arabia

**2009.** Certificate of appreciation and medical souvenir. faculty of medicine. JUST/ Jordan

**2005.** Certificate of appreciation and medical souvenir. Moa'ta University/ Jordan

**5) Scholarly and Professional Activities**

Feb 2004- present Consultant and Professor of neurosurgeon at king Abdullah university hospital.

Feb 2008- present Member of the neurosurgery scientific committee

Feb 2008- present Jordanian medical council examiner/ Jordanian medical board

**Journal Peer reviewer:**

Neurology international/ Italy

Saudi medical journal/ Saudi Arabi

Oman medical journal/ Oman

Jordan medical journal/ Jordan

**Journal Editorial Board member :**

Open orthopaedic journal. USA

Yonsei medical journal. South korea

**5) Professional Memberships**

MCC Number: 2011004591

MINC: CAMD: 0118-5104

Jordan Medical Association 1991

Jordan Neurosurgical Association 1999

NSW Medical Board

International member of Australasia Neurosurgical Society

**AMC #: 2073683**

**RACS #: 175263**

**EICS #: E36285-5.**

**AHPRA**

**7) Number of Graduate Supervisions**

Total training programme: 6 years

1-2 graduates per academic year.

Average number is 8 graduates.

#### 8) Number of Students Supervised

12 -14 medical students every 2 weeks. (Neurosurgery rotation)  
Average number is 240-260 per year

#### 9) Courses Taught – Past 5 years

Neurophysiology: 3<sup>rd</sup> year medical students / faculty of medicine for a month once a year.  
Neurosurgery course/ neuroscience discipline: 5<sup>th</sup> year medical students biweekly  
Clinical neurosurgery: 6<sup>th</sup> year medical students/ weekly  
Introduction to neurosurgery: faculty of applied medicine/ physical therapy for a month once a year.

#### 10) Researches (pending)

1- "**Molecular Genetics in development of intracranial saccular aneurysms**" on patients suffering ruptured aneurysm. Funded by faculty of scientific researches/ JUST

2- "**Correlation between ABO blood group and high grade gliomas among Jordanian patients**". Funded by king Abdullah university hospital.

#### 11) Publications

##### Book chapters

##### 1- "Explicative Cases of Controversial Issues in Neurosurgery"

##### Cerebral Aneurysms. Chapter 9

Mohammad Jamous, Mohammad Barbarawi and Hytham El Oqaili

DOI: 10.5772/30511.

Book edited by Francesco Signorelli, ISBN 978-953-51-0623-4, Published: May 23, 2012 under [CC BY 3.0 license](#)

##### 2- "Histopathology - Reviews and Recent Advances"

##### Neuronal and Mixed Neuronal-Glial Tumors of the Central Nervous System. Chapter 11

Mohammed M.A. Al Barbarawi, Mohammed Z. Allouh and Suhair M.A. Qudsieh

DOI: 10.5772/50733

Book edited by Enrique Poblet Martinez, ISBN 978-953-51-0866-5, Published: December 5, 2012 under [CC BY 3.0 license](#)

##### Publications

1- **Mohammed al Barbarawi**, Ali Wohoush. **Pancarditis in children**. an undergraduate medical thesis for awarding bachelor certificate in medicine (MD). School of Medicine. Damascus University. 1991

2- M Puvaneswary, R Cuganesan, **M Barbarawi**, P Spittaler. **Vertebral haemangioma causing cord compression: MRI findings**. **journal of medical imaging and radiation oncology**. 07/2003; 47(2): page 190-193.

**3- M Al-Barbarawi, L. Sekhon. Management of Massive Calcified Transdural Thoracic Disc Herniation. *Journal of Clinical Neuroscience* 2003. page 707-710**

DOI:10.1016/j.jocn.2003.02.001.

**4- M Al-Barbarawi, S Smith , L Sekhon. Haemorrhagic Brain Metastasis from a Thymic Carcinoma. *Journal of Clinical Neuroscience* 2004 .page 190-194**

DOI:10.1016/S0967-5868(03)00194-2

**5- M Al Barbarawi, S Smith, S Qudsieh, L Sekhon. Multiple cerebral and leptomeningeal metastases from ovarian carcinoma: unusual early presentation *Journal of Clinical Neuroscience* 2005. page 697-699**

DOI:10.1016/j.jocn.2004.08.021

**6- M Al Barbarawi, L Sekhon. Protection of the C1 Posterior Arch in Atlantal Lateral Mass Fixation. *Technical note. Journal of Clinical Neuroscience* 2005. page 59-61**

DOI:10.1016/j.jocn.2004.03.006

**7- M Al Barbarawi, S Qudsieh, S Saa'd . Conus medullaris ganglioglioma in a child and review of the literature. *Pan arab journal of neurosurgery. Oct/ 2008. vol 12, number 2 page 114-117***

DOI: 10.1046/j.0004-8461.2003.01151.

**8- M Barbarawi, W Khriesat, S Qudsieh, H Qudsieh, L Abu Alieh. Intramedullary - spinal cord abscesses. Experience with 4 cases a. pathophysiology and outcome. *European journal of spine. May/2009 .page 710-717.***

DOI: 10.1007/S00586-009-0885-0

#### **9- 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.

**10- M Al Barbarawi, S Qudsieh, H Qudsieh. Management of spinal cord cavernous haemangioma. *Jordan medical journal. June/2009.* volume 43 number 2, page 129 133**

ISSN: 0446 9283

**11- M Barbarawi, S Smith, M Abu Jamous, H Haboub, S Qudsieh , Shboul A. Therapeutic approaches to the management of cerebral vasospasm complicating ruptured aneurysm. *Neurology International Journal sep/2009. page 46-51***

DOI:10.4081/ni.2009.e13

**12- M Al-Barbarawi, S Qudsieh, M Ghazzawi, S Smith: Glioblastoma multiforme of the cerebellum. *Journal of Neurosciences* ; 2009 Jan;14(1):84-8 PMID: 21048582.**

**13- M Al Barbarawi, Z Audat, M Alheis, S Qudsieh, T Qudsieh. Surgical resection of cervical spine neoplastic lesions in relation to the vertebral artery V2 segment. *Neurology international journal, June/ 2010. page 48-51***

DOI :10.4081/ni.2010.e11

**14- M Al barbarawi, Z Audat, S Qudsieh S, T Qudsieh Tareq. Surgical approaches for radical resection of cervical spine lesions. Analytical review and surgical experience with correlation to the vertebral artery. Jordan medical journal. Sep/ 2010**

**15- M Jamous, M Barbarawi, S Samarah, N Khabaz, M AL- Jarrah, S Daoud. 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. Sep. 2010 Volume 36, number 5. page: 465-469 DOI: 10.1007/s00068-010-0002-4**

**16- Z Audat, M Al Barbarawi, M Obaidat. Posterior cervical decompressive laminectomy and lateral mass screw fixation. Journal of Neuroscience , July, 2011 Posterior 20100562**

**17- M Al barbarawi, Z Audat, M Obaidat , T Qudsieh, W Dabbas, M Obaidat, A Malkawi. Decompressive cervical Laminectomy and Lateral Mass Screw-rod arthrodesis. Surgical Analysis and outcome . Journal Scoliosis and Spinal Disorders. July 2011**

MS ID : 5998316405112877

**18- Z Audat, F Darwish, M Al Barbarawi, M Obeidat, W Haddad, K Bashaireh, I Al-Aboosy. Surgical management of low grade isthmic spondylolisthesis;a randomized controlled study of the surgical fixation with and without reduction . Journal Scoliosis and Spinal Disorders. August 2011**

MS ID : 8163684775343639

**19- Ziad Mustafa, Moutasem Obeidat, Omran Bek, Mohammad Barbarawi, Khaldoon Bashayreh Acute traumatic lytic spondylolisthesis and lateral fracture-dislocation of the lumbosacral junction. American Journal of Case Rep 2011; 12 CR163-168**  
Manuscript ID: 882101

**20- Z Audat, y Al Gaoud, M Obeidat, M Al Barbarawi. Comparison of Clinical and Radiological Results of Posterolateral Fusion, Posterior Lumbar Interbody Fusion and Transforaminal Lumbar Interbody Fusion techniques in Treatment of Degenerative Lumbar Spine. Singapore medical journal. Septemebr, 2012 53 (3): 183-187**

**21- Mohammed M. Al Barbarawi, Wail A. Hayajneh , Mohammad Y. Hiasat, Mohammed Z. Allouh. utilization of multidisciplinary surgical techniques to successfully manage 20 brain abscesses in a child. Childs nervous system springer. Jan 2014 93-98.**

DOI 10.1007/s00381-014-2393-8

**22- Mohammed M Al Barbarawi, Mohammed Z Allouh. Successful management of a unique condition of isolated intracranial mucormycosis in an immunocompetent child. Pediatric Neurosurgery Ms No.: 201410003. 2015.**

**23- Mohammed M Al Barbarawi, Mohammed Z Allouh. Cervical lateral mass screw-rod fixation: surgical experience with 2500 consecutive screws, an analytical review, and long-term outcomes. British Journal of Neurosurgery. CBJN-2014- 0404. 2015**

**24- Ziad Ali Audat, Ali Ahmad Al-Omari, Mohammed M Barbarawi, Ahmad Mohammad Radaideh, Mahmoud H Hajyousef, Yazan Abdulamjeed Haddad, Khaldoon M Alawneh, Mohammad Ahmad Abo jelban Mohammad Z. Treatment of Lumbar Intervertebral Disc Prolapsed With Fragmentectomy, More Than Ten Years Follow Up . Journal of spine. May 2015**

**25- Mohammed M Al Barbarawi, Ziad M Audat Mohammed Z Allouh. Analytical comparison study of the clinical and radiological outcome of spine fixation using posterolateral , posterior lumbar interbody and transforaminal lumbar interbody spinal fixation techniques to treat Lumbar spine degenerative disc disease. J Journal of scoliosis and Spinal Disorders. May 2015**

**26- NEUROSURGICAL INFECTION RELATED PROCEDURES IN JORDAN. A RETROSPECTIVE MATCHED HEALTH CARE COST AND HOSPITAL LENGTH OF STAY STUDY. Issa Mohammad Hweidi: Mohammad Barbarwi, Bisher Gharaibeh, A thesis for master degree prepared by the master student: Saba Wasfi R. Ibrahim.**

**12) Invited speaker**

**1) 15 March 2015. Workshop on minimally cervical spine surgery. Irbid Jordan**

**2) 25-26 April 2014 . First Jordanian- Australian Neurosurgical Conference and spinal workshop on minimally invasive spinal surgery. King Abdullah University Hospital. Jordan**

**3) 12-13, September 2013. 8<sup>th</sup> conference of Faculty of Medicine / King Abdullah University Hospital. Jordan**

**4) 12-13, November 2012. 7<sup>th</sup> conference of Faculty of Medicine / King Abdullah University Hospital. Jordan**

**5) 5-9, June 2012. Sirt University/ Faculty of medicine/ Libya. Head and spinal injuries, CNS tumours, and intracranial haemorrhage Lectures to medical students.**

**6) 5-7, January 2011. first annual scientific meeting. Ha'il university. Participant and speaker Saudi Arabia**

**7) 27-28, April 2010. Jordanian –Canadian chiropractic-neurosurgery conference. Participant and speaker. Amman –Jordan**

**8) 16-18 Dec/2009 National –regional neurosurgical conference. Participant and speaker Amman- Jordan**

**9) 1 June, 2009 Workshop on percutaneous cervical discectomy. Demonstrator and trainer Jordan University of science and technology Irbid-Jordan 17 March ,2009**

**10) Annual Scientific neurosurgical meeting Organiser. Speaker and participant. Irbid-Jordan, April 2009**

**11) 25-26, October 2008 IGASS Forum Middle-east. Spine updates: deformities, trauma and degenerative Participant and speaker Dead sea- Jordan**

**12) 16-18, April 2008 Annual scientific meeting of the faculty medicine. Participant and speaker Irbid- Jordan**

**13) 1-6 July, 2006 National Arab American medical association "NAAMA" Participant and speaker Amman- Jordan**

**13) Attended Workshops/conferences:**

**1) 14-15 Nov, 2011 Statistical Package for Social Sciences. JUST Jordan**

- 2) 14- 15 Oct, 2014 Modern University Instructional Methods. JUST Jordan.
- 3) MAY, 2012 Montreal International Forum on new advances of Neurooncology, Canada
- 4) 8 Sep, 2009 CPR/ BLS course Irbid- Jordan
- 5) 16-18, Jan 2009 World federation of neurosurgery society course Amman- Jordan
- 6) 19-20 May, 2007 Workshop in lumber artificial disc implants. France
- 7) 19-20 March, 2007 Pan arab conference of spine. UAE
- 8) 13-15 November, 2006 Workshop in Artificial cervical disc implants. France
- 9) November 16,2006 Ballon kyphoplasty training program. Amesterdam- Netherland
- 10) 26-28 August, 2005 Pan Arab neurosurgical society spine course and hands on workshop
- 11) 13-15 June, 2005 Objective structured clinical examination "OSCE" Organized by the faculty of medicine and Wilson centre in education, university of Toronto
- 12) 27-28 April, 2005 5<sup>th</sup> annual scientific meeting of the faculty of medicine
- 13) 23-26 September, 2004 Pan Arab Neurosurgical society Vth congress Amman –Jordan
- 14) 6 December, 2003 Workshop focused on Recent Advances in Endovascular Therapy of Intracranial Aneurysms. Sydney- Australia
- 15) 16-19 August, 2003 Annual scientific meeting of the neurosurgical society of Australasia. Queenstown- New Zealand
- 16) 5-9 May, 2003 Annual scientific congress, Royal Australasian College of Surgeons Brisbane –Queensland
- 17) 17 May, 2003 One day trauma education seminars Sydney –Australia
- 18) 16 February, 2002 A certificate in Radiation Protection Course in X- ray Fluoroscopy for Medical Specialists. Sydney- Australia  
16-19 September, 2001 12<sup>th</sup> Congress of World Federation of Neurosurgery Sydney, Australia
- 19) 27-29 March, 2000 WFNS Neurosurgical Course – Amman-Jordan
- 20) 18-20 September 1999 Middle East Spine Group Congress – Amman-Jordan
- 21) 16-18 September 1996 International Symposium and Workshop on Minimal Invasive Neurosurgery – Amman-Jordan
- 22) 28-30 October 1996 Jordanian-Spanish Conference included: Workshop on Neuro endoscopy Workshop on Anterior Cervical Discectomy with Fusion (Otero's Methods).

#### **14) Internship**



**19.10.91 – 01.10.92 – accredited by Ministry of health in Jordan and its affiliated Hospitals, it included the following rotations:**

<b><u>General Surgery</u></b>	<b><u>3 months</u></b>
<b><u>General Medicine</u></b>	<b><u>3 months</u></b>
<b><u>Paediatrics</u></b>	<b><u>2 months</u></b>
<b><u>Obstetrics &amp; Gynaecology</u></b>	<b><u>2 months</u></b>
<b><u>Accident &amp; Emergency</u></b>	<b><u>1 month</u></b>

**15) General medical practice**

15.11.92 – 31.06.93

Jordan University Hospital

Rotations in various department . It included:

**CCU**

**Medical ICU**

**Emergency department**

**Hematology**

**Rheumatology**

**15) Accredited Neurosurgery Training Program**

**01.07.93 – 30.06.99 Neurosurgical residency training Program accredited by Jordan university hospital/ the university of Jordan**

Neurosurgical residency programme, is six academic years, is directed and accredited by the faculty of graduate studies in the University of Jordan and its affiliated hospital.

***The program is also accredited by the Jordanian medical board and Arab medical board for training and eligibility for the council certificate.***

**A. 01.07.93 – 30.06.94: Resident in General Surgery ( 12 months)**

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.

***The accredited rotation in general surgery included:***

<b><u>Emergency</u></b>	<b><u>eight weeks</u></b>
<b><u>GI Surgery</u></b>	<b><u>eight weeks</u></b>
<b><u>Vascular/thoracic</u></b>	<b><u>eight weeks</u></b>
<b><u>Plastic Surgery</u></b>	<b><u>eight weeks</u></b>
<b><u>Oncology</u></b>	<b><u>twelve weeks</u></b>

**B. 01.07.94 – 30.06.95: Neuroscience Rotation**

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

**1- General medicine and 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.

*The accredited training was as follows:*

<b>General medicine</b>	<b><u>For four weeks</u></b>
<b>Psychiatry</b>	<b><u>For four weeks</u></b>
<b>General medicine emergency</b>	<b><u>For four weeks</u></b>
<b>Exclusive neurology</b>	<b><u>For twelve weeks</u></b>

**2- Anaesthesia /ICU - For eight weeks:**

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- Radiology - For eight weeks:**

Developed skills in radiological examination of plain x-rays, CT scans and MRI and invasive radiology.

**4- Ophthalmology – For four weeks**

Assessment of various diseases of the optic nerves, ophthalmoplegia and orbital regions.

**5- pathology - For four weeks**

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

**C. 1.7.93- 30.6.99 Neurosurgical Exclusive and accredited Training Program**

After two years of medical and surgical rotations, 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.

**16) Clinical Experience****25.3.2004 to present / King Abdullah university hospital. KAUH**

KAUH is a highly specialized teaching referral medical centre that provides its medical services to more than two million of population in the Northern Province of Jordan. KAUH has been awarded ISO and JIC certificates for its standard medical services and community development. It is the largest hospital in the region and is affiliated to the Jordan University Science and technology.

KAUH is an accredited hospital for the Jordanian medical board and Arab medical board of all specialties.

I am conducting simple and complex brain and spine surgery as a part of a team or individually; this includes Neurotrauma, Neurooncology, Cerebrovascular neurosurgery and paediatric neurosurgery. I have a special interest in spine and cerebrovascular neurosurgery. The average number of operation performed annually is 200-225 operations

### **Vascular experience**

#### **Aneurysmal Surgery**

I Performed lots of aneurysmal surgery in different locations within the anterior and posterior circulation, besides that, I had the opportunity to assist in treating the highly complicated giant aneurysms by using a wide variety of surgical approaches. Although I encountered some serious complication but the outcome of these cases was extremely satisfactory. I also established a well recognised protocol to deal with cases suffering ruptured aneurysm at KAUH.

#### **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 of grade *I-III*. With excellent results.

#### **Vascular anastomosis. (ECA-ICA Bypass Surgery)**

I have done many intracranial-extracranial bypass surgeries that include superficial temporal artery to middle cerebral artery anastomosis and CCA endarterectomy. I also assisted in CCA-ICA LSVG. Vertebral artery transposition,

### **Trauma**

I have got wide skills in the management of various types of head traumas. 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 regards to spinal injuries I have operated on many cases of cervical, thoracic and lumbar injuries which required either external or internal fusion. by using variable spinal fusion techniques such as galle, brooks, lateral mass, transpedicular, trans articular, screws and plates etc.

### **Neurooncology**

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, variable spinal cord tumours and other sophisticated tumours. I have had low mortality and morbidity with excellent outcome.

### **Neural Tube Defect (NTD) and congenital anomalies**

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

### **Simple and complex Spine surgery**

I have a good experience in spine surgery, treating variable pathologies of trauma, tumours, disc diseases and degenerative disorders and congenital anomalies with exceptional outcome. Using simple and various instrumental techniques of different types. I have done variable approaches of anterior and posterior cervical spine surgery using Cloward, Smith-Robinson and Casper techniques and arthroplasty. 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

### **Shunt surgery**

I have done a large number of shunt cases that basically include V-P shunt, V-A shunt, V-PL shunt and theco-peritoneal shunts.

### **Infections**

I have operated on many cases of brain and spinal cases with infection with excellent results.

I successfully resected 17 brain abscesses in one child who suffered from multiple brain abscesses with excellent results and normal outcome

### **Stereotactic Surgery**

Assisted and did a lot of cases

### **Epilepsy and functional neurosurgery**

Assisted in a few cases , I have a little experience

### **Gamma Knife Surgery**

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

**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).**

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 Hospital. 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.

**17) Continuing medical education programs for under and post graduates.**

**A. Continuing Education Program in Jordan. KAUH/ JUST**

Daily educational activity in the neurosurgery department from 8.00 to 9.00 this includes 15 minute on call-report and educational activity as follows:

Journal Club every week

Mortality and morbidity conference monthly

Flee market and case presentation weekly

Two seminars per week

Neuroscience meeting every two weeks

**B. 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

**C. Continuing Education Program at JHH.**

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

**18) Ambition and Objectives**

To learn new skills and to gain more experience  
To demonstrate up to date professional knowledge  
Being competent in the profession  
Participation in Continuing Medical Education for undergraduates, post graduates,  
paramedical staffs  
Involvement in the community health awareness about CNS related disorders and the  
ways of prevention and involvement in psycho-social rehabilitation  
Treating patients with highly complicated neurosurgical conditions  
Giving a hope to those patients to have a normal life or good life quality when getting  
disability.  
To share in CNS researches that may help patients  
To be an asset to my homeland and human beings

## 19). References

### **Dr. John Christie.** FRACS

Consultant Neurosurgeon  
John Hunter Hospital  
Newcastle University. NSW  
E mail: [jchristie@idl.com.au](mailto:jchristie@idl.com.au)

### **Dr. Peter J Spittaler.** MBBS FRACS

Consultant Neurosurgeon  
John Hunter Hospital.  
Newcastle university.NSW/ Australia  
E mail: [pspittal@bigbond.net.au](mailto:pspittal@bigbond.net.au)

### **Professor Michael K Morgan.** FRACS

University of Macquarie. NSW/ Australia  
Chancellor of university of Macquarie  
Vascular neurosurgeon  
Aneurysm and AVM Neurosurgeon  
E mail: [Michael.morgan@asam.mq.edu.au](mailto:Michael.morgan@asam.mq.edu.au)

### **Professor Tawfiq Taradkah**

Dean Faculty of medicine/ Jordan university of science and technology  
Professor of psychiatry  
Jordan University of Science and Technology  
King Abdullah University Hospital  
E mail: [tdaradkh@just.edu.jo](mailto:tdaradkh@just.edu.jo)  
Telephone: 0062 7600200 Ext: 40655      Mobile: 00962 79 5942353

### **Dr Ziad audat**

Consultant Spine surgeon and assistant professor  
Head department of orthopedics and spine surgery  
Jordan university of science and technology (JUST)  
King Abdullah university hospital (KAUH)  
Department of orthopedics and spine surgery  
E mail: [dr\\_odat@yahoo.com](mailto:dr_odat@yahoo.com)  
Or [ziadaudat@hotmail.com](mailto:ziadaudat@hotmail.com)  
Mobile : 00962 79 799051237

### **Professor Lali Sekhon.** FRACS

Spinal Neurosurgeon  
Nivada . USA  
E mail: [renodoc@mac.com](mailto:renodoc@mac.com)

### **Professor Ingebrigtsen Tor**

Professor of neurosurgery  
Cosmo University. Norway  
E mail: [tor.ingebrigtsen@unn.no](mailto:tor.ingebrigtsen@unn.no)

### **Dr. Yousef Meshki**

Canada. Ontario  
905 892-1726  
E mail: [drmeshki@hotmail.com](mailto:drmeshki@hotmail.com)

**Dr. Moh'd Abu Jamous**

Consultant neurosurgeon. KAUH  
Associate professor. Faculty of medicine; JUST  
E mail: [majamous@just.edu.jo](mailto:majamous@just.edu.jo)  
Telephone 00962 27600200 ext: 40658. Mobile: 00962 79 9773827

**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 higher education and scientific research  
P. O Box 1346 Amman  
Mobile Phone:

**Professor. Ahmed Tamimi**

Head department of neurosurgery  
University of Jordan and Jordan university hospital  
Former dean faculty of medicine Moa'ta University  
E mail: [aftamimi@hotmail.com](mailto:aftamimi@hotmail.com)  
Tel : 00962 79 5548580

**Dr. Awni Musharbash**

Consultant paediatric neurosurgery  
University of Jordan  
Canadian fellowship in paediatric neurosurgery  
E mail: [awni-musharbash@hotmail.com](mailto:awni-musharbash@hotmail.com)

**Verification Statement**

I verify that the information contained within this Curriculum Vitae is true and correct as at  
March 07, 2016

Name: Moh'd Mah'd Abdel Latif Al Barbarawi

Signed: