

Khalil Al-Salem, **M.D., F.R.C.S** (glas), **FICO**
Mutah University / department of ophthalmology

P.O. Box: 830910 Amman, 11183, Jordan.

Tel Number: 00962-797262600

Khalil_alsalem@hotmail.com

EDUCATION

- June/1997 - June/2003 M.B.S.S in Medicine and surgery.
- Jordan University of Science and Technology, Irbid, Jordan.
 - Ranked among the top 10% of the graduating class
- June 2003 –June 2004 Internship, transitional year (3 months in general surgery, 3 months in medicine, 2 months in pediatrics, 2 months in gynecology, and 1 month in ophthalmology (elective)).
- July/2004 – June/2006 Jordan University of Science and Technology, Irbid, Jordan.
- Ophthalmology residency: 4 year program
 - Location: King Abdullah University Hospital
 - Supervisor: Fahmi Okour, FRCS
 - Ranked first in the resident in-service examinations for 2 consecutive years.
- June 2006 – June 2009 American University of Beirut, Beirut, Lebanon.
- Ophthalmology residency: 3 year program
 - Location: American University of Beirut Medical Center
 - Supervisor: Baha' Nouredine, MD, FACO
 - Ranked first in the resident in-service examination (first, second, and third year).
- October 2008- December 2008 Retina department (Myoclonic Rochester)
- Mini medical retina fellowship
 - Location: Mayo Clinic Rochester, Minnesota USA.
 - Supervisor: S. Bakri, American board, director of retina Unit, Myoclonic, MN .
- June 2011- September 2011 Retina department (Louisville University)
- Mini medical retina Fellowship
 - Location: Lions Eye Center, Jewish Hospital, Louisville, Kentucky, USA
 - Supervisor: T. Tezel, Director of retina Unit at Louisville KY.
- July 2013- December 2013 Oculoplastic department (University of British Columbia)
- Fellowship in Oculoplastic and reconstructive surgery
 - Location: Vancouver General Hospital, University of British Columbia, Vancouver, BC, Canada
 - Supervisor: Dr. Peter Dolman, director of Oculoplastic Unit at University of British Columbia
- Subspecialty and interest: Oculoplastic, orbital and reconstructive surgery; Medical Retina and Uveitis.

Current ACADEMIC APPOINTMENTS

- Sept. /2010 Associate Professor of Ophthalmology (full time)
Department of Ophthalmology,
Mutah University
AL-Karak, Jordan
- April /2014 Examiner at the Committee for internship examinations boards,
Jordanian medical board committee
Amman, Jordan
- Jan /2013 Editorial Board member in the following journals:
1- International Journal of ophthalmology
2- British Journal of ophthalmology case report
3- Royal Medical services Journal

OTHER POSITIONS AND EMPLOYMENT:

None.

CERTIFICATION AND LICENSURE

- Fellowship Of Royal College Of Surgeons (FRCS) Glasgow (ophthalmology) # (58705)
 - NOV/ 2009 Passed Part 2 (Assay paper of clinical Examination)
 - June/ 2010 Passed part 3 (oral and clinical Examination)
 - July/ 2010 Registered as Fellow of the Royal College of surgeons (Glasgow)
- International Council of Ophthalmology (ICO)
 - April 6th 2006 Part 1 - Basic Sciences
 - April 6th 2006 Part 2 - Optics and Refraction
 - April 12th 2007 Part 3 - Clinical Sciences Assessment for Ophthalmologists
 - October 21st 2010 Advanced ICO – advanced exam in ophthalmology
 - Registered as fellow of the international council of ophthalmology October 2010
- Fellowship Of Royal Collage Of Ophthalmology (FRCOphth)
 - October 6th 2006 Part 1 – Basic Science
- Arab Ophthalmology Board
 - October 31st 2006 Part 1 – Basic Sciences
 - November 2009 Part 2 – Clinical assessment;
- Jordanian Ophthalmology Board
 - February 6th 2006 Part 1 – Basic Sciences
 - September 2009 Part 2 – Clinical assessment Registered
 - October/2009 Registered as member of the Jordanian ophthalmic society
- United States Medical Licensure Examination (USMLE)
 - February 11th 2004 Step 2 CK; Score: 88 three digit score: 216

December 22nd 2004 Step 1 Score: 96 three digit score: 237
July 5th 2005 Step 2 CS
July 28th 2005 Educational Commission for Foreign Medical Graduates (ECFMG) certified
December 2007 Step 3 USMLE Score: 80 Three digit score 196

PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

January / 2009 Member of the American academy of ophthalmology (AAO)
JULY/ 2010 Fellow of the Royal College of surgeons, ophthalmology (Glasgow)
October / 2011 Fellow of International Council of Ophthalmology (ICO)
September / 2013 Member of the International thyroid eye disease society.

HONORS AND AWARDS

1. November 2007 Best poster award, **American Academy (AAO)**, New Orleans. PO115 is there a Role for Intravitreal Bevacizumab in Uveitis Ocular Neovascularization?
2. October 2011 *American Academy of Ophthalmology (best poster award) Orlando, FL,* (COLLABORATIVE 3-YEAR OUTCOME OF INTRAVITREAL BEVACIZUMAB FOR INFLAMMATORY OCULAR NEOVASCULARIZATION) poster number **PO133**, Annual meeting scientific program. Ahmad M Mansour, Khalil Al-Salem
3. November 2013 **International ophthalmologist education Award,** American Academy of ophthalmology (AAO).

COMMITTEE ASSIGNMENTS AND ADMINISTRATIVE SERVICES

December 4th – 18th 2003 Operation Smile Irbid, Jordan

- An international organization of plastic surgeons, involved in performing reconstructive surgeries for under privileged populations around the world.
- Responsibilities included:
 - Assistance in minor surgeries
 - Translation between foreign physicians and the local patients.
 - Pre-operative and post-operative patient evaluation and care

EDUCATIONAL ACTIVITIES

I have teaching responsibilities for both medical students and ophthalmology residents.

As for medical students, I give 18 lectures per rotation the rotation is repeated every month, mainly the course is an introduction to ophthalmology (anatomy, physiology of the eye, clinical lectures like retinal diseases, corneal disease etc.). In the clinic 2-4 students shadow me, and I try to teach them simple principles of ophthalmology like how to use the ophthalmoscope, RAPD, motility exam ... etc.

As for the residents; we have currently 4 residents in first, second and thirds training years in ophthalmology. We have a good and solid program teaching both Basic and clinical Sciences in ophthalmology. We try to give them 4 hours of lectures a week. They shadow me in the clinic and the operating theater, we try our best to teach them how to deal with ophthalmology conditions, and I personally teach them the medical retina and the Oculoplastic part of ophthalmology.

We have a weekly journal club and a case discussion, presented by the residents.

Since Feb/ 2011, I was held course director for the residency program at Mutah University. I am trying to develop a wet lab for our residents, increase the amount of surgeries done by each resident.

The department is very keen on conducting various research projects. We have managed to publish some pioneer publications and epidemiological publications.

CLINICAL ACTIVITIES

- A. Oculoplastic, orbital and reconstructive surgeries over 70%.
- B. Comprehensive ophthalmologist;
 1. Medical ophthalmology; medical retina (intra-vitreal injections, laser).
 2. Surgical ophthalmology; cataract (phaco-emulsification) and motility disease.

As for the research part, we have currently a questionnaire based studies and epidemiological studies. We have lack of equipments and research labs to do experimental research.

EDITORIAL WORK

ABSTRACTS AND PRESENTATIONS

ORAL PRESENTATIONS:

1. Third Regional (Jordan, Syria, and Lebanon) Jordanian Conference of Ophthalmology: Jordanian Society of Ophthalmologists: Al-Salem K, Madanat A. Vogt-Koyanagi-Harada Syndrome: Case report and literature review (Presentation). March 2006
2. **MEMA**; Research day - American University Of Beirut, 19/April 2009. Al-Salem K. Mansour A. The use of anti VEGF for recalcitrant inflammatory ocular neovascularization. (Collaborative study).
3. **MEMA**; Research day - American University Of Beirut, 24/April 2008. Al-Salem K. Mansour A. The use of anti VEGF for Treatment of recurrent ocular Pterygium. (Pilot study).
4. Grand round presentation: 2nd / Feb / 2009 injection of Melphalan in the ophthalmic artery as a treatment of advanced cases of retinoblastoma (review). Place; Jofinor Rotana Hotel. Beirut.
5. Grand Round presentation: 3rd June /2008. Pigmentary dispersion syndrome pathogenesis and view of the future. Place; Marriott Hotel Beirut.
6. Grand round presentation: 13th May /2009. The use of subconjunctival Bevacizumab in the treatment of inflamed Pterygium. Place: Jofinor Rotana Hotel. Beirut.
7. Lecture presentation; 2nd April / 2010. Phaco frighteners (a comprehensive course in managing phaco complications). Place: Ministry of health, the First Jordanian conference of the ministry of health.
8. Article presentation: the 1st Palestinian Jordanian conference, Amman, Jordan; 26/4/2012
9. Lecture presentation : diabetic macular edema, 6th of april 2012, mutah university conference, mutah university Jordan .

POSTERS:

- 1) *American Academy Award of (best poster award) in November 2007*, in New Orleans. PO115 is there a Role for Intravitreal Bevacizumab in Uveitis Ocular Neovascularization? The 2007, Annual meeting scientific program. Ahmad M Mansour, Khalil Al-Salem.
- 2) *American Academy of Ophthalmology November 2008 Atlanta*, Georgia (The use of intravitreal Bevacizumab in the treatment of CNV secondary to Uveitis. Poster number 0431).
- 3) *American Academy of Ophthalmology (best poster award) October 2011 Orlando, FL*, (COLLABORATIVE 3-YEAR OUTCOME OF INTRAVITREAL BEVACIZUMAB FOR INFLAMMATORY OCULAR NEOVASCULARIZATION) poster number **PO133**, Annual meeting scientific program. Ahmad M Mansour, Khalil Al-Salem.
- 4) *American Academy of Ophthalmology (International Ophthalmologist Education Award) : 2013*

PUBLICATIONS:

1. Intravitreal bevacizumab in inflammatory ocular neovascularization. .Mansour AM, Mackensen F, Arevalo JF, Ziemssen F, Mahendradas P, Mehio-Sibai A, Hrisomalos N, Lai TY, Dodwell D, Chan WM, Ness T, Banker AS, Pai SA, Berrocal MH, Tohme R, Heiligenhaus A, Bashshur ZF, Khairallah M, **Salem KM**, Hrisomalos FN, Wood MH, Heriot W, Adan A, Kumar A, Lim L, Hall A, Becker M. *Am J Ophthalmol*. 2008 Sep;146(3):410-416. Epub 2008 Jul 10.
2. Long-term Visual Outcomes of Intravitreal Bevacizumab in Inflammatory Ocular Neovascularization. Mansour AM, Arevalo JF, Ziemssen F, Mehio-Sibai A, Mackensen F, Adan A, Chan WM, Ness T, Banker AS, Dodwell D, Chau Tran TH, Fardeau C, Lehoang P, Mahendradas P, Berrocal M, Tabbarah Z, Hrisomalos N, Hrisomalos F, **Al-Salem K**, Guthoff R. *Am J Ophthalmol*. 2009 May 8.
3. Visual recovery after impalement injury of the orbit by reinforced steel bar. .Ahmad M Mansour, Khalil Mahmoud Al-Salem, Sandra Haddad, Georges Mollayess. *BMJ Case Reports* 2009
4. Series of ocular pathology videos: Dr. Ahmad mansour, Khalil Al-Salem, **Histopathology course in metastatic ocular disease**. www.icoword/course
5. Neonatal orbital abscess, **Al-Salem KM**, Alsarayra FA, Somkawar AR. *Indian J Ophthalmol*. 2014 Mar;62(3):354-7.
6. Mini-Cognitive Testing in Patients With Age-Related Macular Degeneration **al-Salem, Khalil M.**; Schaal, Shlomit *Retina*. 2014 May;34(5):868-73
7. OPHTHALMOLOGY RESIDENCY TRAINING IN JORDAN: AN EVALUATION OF QUALITY AND COMPARISON WITH INTERNATIONAL STANDARDS, **Khalil AL-Salem**, Fawwaz A. al-Sarayra, Mohammad Abu Al-Dabaat, Wisam Shihadeh, Mohammad M. Al-Salem, Mahmoud Al-Salem, Shlomit Schaal (accepted Nov/2013) *international journal of ophthalmology*. Int J Ophthalmol. 2014 Oct 18;7(5):898-904
8. Management of congenital lacrimal (anlage) fistula. **Al-Salem K**, Gibson A, Dolman PJ. *Br J Ophthalmol*. 2014 May 15.
9. Age-related macular degeneration and early diagnosis of dementia. **Al-Salem KM**, Schaal S. *JAMA Ophthalmol*. 2014 Jul;132(7):906-7.
10. Management of punctal occlusion post viral conjunctivitis Fawwaz A. Al-Sarayra M.D, **Khalil M. AL-Salem M.D, FRCS, FICO**, Mohammad Al-Salem M.D, Tarek A. Dalbah M.D, Noor M. Al-Sammarraie M.D, Abdelrahman M. Alharazneh M.D accepted Jan 2015 *International Journal ophthalmology*.
11. Adverse drug reactions experience in a teaching hospital in Jordan. Alsbou M, Alzubiedi S, Alzobi H, Samhadanah NA, Alsarairah Y, Alrawashdeh O, Aqel A, **Al-Salem K**. *Int J Clin Pharm*. 2015 Dec;37(6):1188-93.
12. A novel approach: orbital augmentation using mersilene mesh in seeing eyes, Al-Salem KM¹, Al-Salem MK². *Can J Ophthalmol*. 2018 Oct;53(5)

PEER-REVIEWED**Case reports**

1. Raja Muhammad; Goldsmith, Craig; Burton, Benjamin. bcr.03.2011.3999.R2 Spontaneous Resolution of Full-Thickness Macular Hole in Retinitis Pigmentosa,
2. Baxter, Julia; Chen, Hean; Kailasanathan, Anusha. bcr.08.2010.3235.R1 An unusual cause for an optic disc haemorrhage.
3. Gupta, Saroj; Biswas, Rakesh, bcr.12.2009.2577A case of unilateral proptosis with raised IOP.
4. Bjophthalmol-2011-300624: "Ring-shaped Corneoscleral Lamellar Keratoplasty Guided by HD-OCT and Oculyzer for Severe Terrien's Marginal Corneal Degeneration" for British Journal of Ophthalmology .
5. Bjo-2011-300155.R1 entitled "Clinical profile of graft detachment and outcomes of re-bubbling after Descemet stripping endothelial keratoplasty" for British Journal of Ophthalmology
6. Jason; Bakir, Belal; Lee, Andrew; Yalamanchilli, Sushma; bcr.08.2011.4721 Papilledema due to Chiari I MalformationZhang,
7. Deepak; Ivanova, Tsveta; Misra, Aseema , bcr.11.2011.5231 A case of atypical Central Serous Retinopathy in a patient with latent TuberculosisVayalambrone,
8. Atypical Toxoplasmic RetinochoroiditisTheodoropoulou, bcr.12.2011.5419, Sofia; Schmoll, Conrad; Templeton, Kate; Dhillon, Baljean
9. bcr.12.2011.5419.R1 Atypical Toxoplasmic RetinochoroiditisTheodoropoulou, Sofia; Schmoll, Conrad; Templeton, Kate; Dhillon, Baljean
10. bcr-2012-006303.R1 Pneumatic retinopexy for treatment of posterior pole detachment following vitreoretinal surgery for diabetic tractional retinal detachment threatening the fovea Bastion, Mae-Lynn
11. bcr-2012-006944 Combined hamartoma of the retina and retinal pigment epitheliumXue, Kanmin; Mellington, Faye; Gout, Irina; El-Amir, Ahmed
12. bcr-2013-008762 Recurrent atypical fibroxanthoma of the limbusUllrich, Katja; Wells, Jane; Brennan, Catriona; Craig, Jamie
13. bcr-2013-009253 Bilateral Multifocal Posterior Pole Lesions in Reiter SyndromeMansour, Ahmad; Jaroudi, Mahmoud; Medawar, Walid; Tabbarah, Zuhayr

Original articles:

14. bjo-2011-300155.R1 entitled "Clinical profile of graft detachment and outcomes of re-bubbling after Descemet stripping endothelial keratoplasty" for British Journal of Ophthalmology.
15. IJO-2014-0061 entitled "Corneal and Conjunctival Sensitivity in Rosacea" for the International Journal of Ophthalmology
16. # IJO-2017-0791 entitled "Evaluation of rat meibomian gland dysfunction model induced by closure of meibomian gland orifices" for the International Journal of Ophthalmology.