ABDULRAHMAN AL-MUAMMAR

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EXPERIENCE

* *ADMIMSTRATIVE:*

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| **SENIOR ADVISOR**Health Care Holding Company, KSAJune 2020 – Present* Serving as board chairmen for Riyadh Fourth Health Cluster
	+ Leading the process of establishing the healthcare cluster and transforming health care within north west area of Riyadh province with approximately 1 M population
* Serving as board chairmen for Taif Health Cluster
	+ Leading the process of establishing the healthcare cluster and transforming health care in Taif region with approximately 1.5 M population
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| **CHIEF EXECUTIVE OFFICER**King Saud University Medical CitySept 2013 – June 2020  |
|  | * Serving as the CEO of one of the largest medical city in KSA with total bed capacity of 1400, 8000 employees; comprised of the following architecture:
* King Khalid University Hospital
* King Abdulaziz University Hospital
* University Dental Hospital
* University Diabetes Center
* King Abdullah Ear Specialized Center
* King Fahad Cardiac Center
* University Oncology Center
* University Family Medicine Center
* Leading the implementation of the new governance structure for King Saud University Medical City, 2014.
* Leading the implementation of the new operating model for King Saud University Medical City, 2014
* Leading the implementation of the administrative and financial bylaws of the Self Operation Program at King Saud University Medical City, 2014.
* Leading the preparation and implementation of Electronic Medical Records System (E-siHi) in King Saud University Medical City, 2015.
* Leading the operation of the new expansions in King Saud University Medical City which included, East building - 400 beds & University Oncology Centre - 100 beds at KKUH, University Dental Hospital - 470 chairs & 40 beds , and Eye & Ear Specialized Clinics at KAUH.
* Leading the preparation and implementation of King Saud University Medical City Strategic Plan 2016 - 2020.
* Leading the establishment of King Saud University Health Company.
* Leading and implementing patient experience office and strategy at KSUMC.
	+ Patient satisfaction increased from 71% to 84%
* Leading the team for training, developing and implementing KSUMC corporate and department performance management system
* Leading the process of optimizing efficiency in medical services, resulting in:
	+ Admission increase from 49,000 to 70,000
	+ Surgeries and procedures increase from 14,000 to 30,000
	+ Outpatients and ER visitors increase from 688,000 to 1,053,071
	+ Laboratory test increase from 6,606,099 to 8,130,582
	+ Imaging increase from 174,000 to 454,226
	+ Medication prescription increase from 1,370,000 to 2,022,523
* Leading the process of decreasing cost through :
* Optimizing workforce efficiency with workforce-to-bed ratio = 6.6:1
* Decreasing maintenance, medical maintenance, housekeeping, catering, laundry and transportation contract by an average of 25% despite increase in capacity and operation of new expansions
* Optimizing medical supply chain through:
	+ *Switching purchasing to contract and minimizing direct purchasing*
	+ *Optimizing inventory system and reducing expired and unutilized items*
	+ *Establishing planning section for medication and medical supply*
* Establishment and maintenance of high quality standard through leading the process of obtaining:
* Accreditation Canada - 3 cycles (2012, 2015 and 2018)
* CBAHI, 1st cycle (2018)
* CAP accreditation, 4 cycles (2012, 2014, 2016 and 2019)
* EN ISO 9001:2015
* *IT department, 2016*
* *Finance department, 2016*
* *HR department, 2016*
* *Engineering department, 2016*
* *Logistics and supply department, 2016*
* *Security and safety department, 2016*
* *Support services department, 2016*
* ECRI, engineering department, 2015
* HIMSS 6 - the HIMSS Analytics Electronics Medical Record Adoption Model (EMRAM), 2017
* Award of best organization in Arab world in maintenance, 2018
* Award of best organization in Arab world in operation, 2018
* Maintaining high infection control standard and leading the organization through two major outbreaks:
* MERS-CoV
* Covid-19
* Leading the process of optimizing training capacity of the organization
* # of undergraduate trainees increased from 1,711 to 3,582
* # of post graduate trainees increased from 690 to 1,020
* Leading the process of increasing the number of residency and fellowship programs in medicine and dentistry; establishing residency programs in pharmacy, nursing and audiology.
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| **GENERAL SUPERVISOR**Prince Naif bin Abdulaziz Health Sciences Research Centre, KSUApr 2012 – July 2020 |
|   | * Leading the development of operation manual, organization structure, job description, salary scale and career development plan
* Leading the team for establishing network with different labs within health colleges
* Leading the development and operation of the clinical trial unit at KSUMC and achieving a self-sustainable model.
* Leading the establishment of the investigator support unit
* Leading the development and trial of RAH@H (Remotely Accessible Healthcare At Home) program
* Leading the team for establishing research laboratory at KSU College of Dentistry
* Leading the process of expanding and commissioning of the animal house at College of Pharmacy.
 |
| **GENERAL SUPERVISOR**Clinical Skills & Simulation Center, KSUApr 2014 – July 2020 |
|   | * Leading the development of operation manual, organization structure, job description, salary scale, career development plan
* Leading the process of obtaining the status of ACS comprehensive education institute
* Golden recognition award by AHA
* Establishing new AHA training sites outside the university
* Managing American College of Surgeon accreditation
* Utilizing skills lab and medical simulation for nurses (interns and new hires)
* Establishing system integration unit
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| **VICE RECTOR FOR HEALTH SPECIALTIES**King Saud University Jan 2010 – Mar 2015 |
|   | It includes college of medicine and university hospitals, college of dentistry and dental clinics, college of pharmacy, college of applied medical sciences, college of nursing and Prince Sultan bin Abdulaziz college for emergency medical services* Leading the team for developing the new governance model for KSUMC
* Leading the team for developing the new operating model for KSUMC
* Leading the team for negotiating and establishing independent budget for KSUMC
* Leading the process of integrating KSUMC with health colleges in KSU
* Leading the team for developing the new strategy for KSUMC in correlation with health colleges
* Leading the team for establishing Clinical Skills and Simulation Center in King Saud University
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| **GENERAL SUPERVISOR OF SELF-OPERATION PROGRAM** King Saud University Medical CityMay 2012 – Sept 2013 |
|   | * Leading the team for developing and approving the financial and administrative bylaws for self-operation program
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| **MEDICAL DIRECTOR** King Abdulaziz University Hospital, KSUMC2008 – 2012  |
|   | It included a 100-bed capacity hospital with 1500 employees functioning as eye & ear hospital, and the university diabetes center* Establishing the quality department
* Leading and achieving the process of 1st accreditation for the hospital (Accreditation Canada) in 2012
* Supporting the 1st accreditation for the medical laboratory (CAP accreditation), in 2012
* Establishing the day care unit
* Leading the team for doubling OR utilization and decreasing OR waiting list
 |
| **CHIEF OF CORNEA** *External Eye Diseases & Refractive Surgery Division*Department of Ophthalmology, College of Medicine, King Saud University 2009 – 2012  |
|   | * Establishing sub-specialty fellowship in Cornea, External Eye Diseases and Refractive Surgery, Department of Ophthalmology
* Establishing continuous cornea transplant service by negotiating fixed budget and signing agreement with international world eye bank
* Starting the intra-corneal ring segment service
 |
| **DEPUTY CHAIRMAN** Department of Ophthalmology, College of Medicine, King Saud University 2006 - 2008  |
|   | * Leading the process of developing the 1st 5-year strategy for the ophthalmology department
* Optimizing the quality of teaching and training for the ophthalmology residency program
* Participating in optimizing research services
 |
| **CHIEF OF OPHTHALMIC CLINICS** King Abdul Aziz University Hospital 2003 - 2008  |
|   | * Leading the process of optimizing the efficiency of 12 outpatient ophthalmology clinics, ophthalmic ER service (24-Hours), 2 ophthalmology operative rooms and comprehensive ancillary services
* Negotiating the annual budget and ensuring the availability of most advanced instrument and diagnostic tools
* Dealing with patients concerns and managing the clinical services on daily basis
* Managing and supporting the education and training of medical students, optometry students and ophthalmology residents
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* + *ACADEMIC:*

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| **PROFESSOR OF OPHTHALMOLOGY** Department of Ophthalmology, College of Medicine, King Saud University 2017 – PRESENT  |
| **ASSOCIATE PROFESSOR OF OPHTHALMOLOGY** Department of Ophthalmology, College of Medicine, King Saud University 2009 - 2017  |
| **ASSISTANT PROFESSOR OF OPHTHALMOLOGY** Department of Ophthalmology, College of Medicine, King Saud University 2004 – 2009  |

* + *CLINICAL:*

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| **CONSULTANT OPHTHALMOLOGIST***External Eye Diseases & Refractive Surgery Division*Department of Ophthalmology, King Saud University Medical City – KSU 2004 – PRESENT  |
| **SENIOR REGISTRAR**Department of Ophthalmology, King Abdulaziz University Hospital - KSU 2003 - 2004  |
| **FELLOW** *External Eye Diseases, Refractive Surgery & Uveitis* University of Ottawa Eye Institute July 2002 – June 2003 |
| **RESIDENT** *Ophthalmology Residency Program* University of Ottawa Eye Institute, Royal College of Surgeons & Physicians in Canada July 1997 – June 2002  |
| **MEDICAL INTERN**University & Government Hospitals in Riyadh July 1995 – June 1996  |

EDUCATION

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| **CLINCIAL FELLOWSHIP IN CORNEA***External Diseases, Uveitis and Refractive Surgery* University of Ottawa Eye InstituteJune 2003  |
| **FRCSC (FELLOW OF THE ROYAL COLLEGE OF SURGEONS OF CANADA)**OphthalmologyJune 2002  |
| **INTERNSHIP** King Saud University June 1996 |
| **M.B.; B.S.**King Saud University July 1995 |
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MEMBERSHIP

|  |  |
| --- | --- |
| * Advisory board chairmen, Riyadh fourth health cluster
 |  Aug 2020 – present  |
| * Advisory board chairman, Taif health cluster
 | July 2020 – present  |
| * Board of directors chairman, King Saud University Health Company
 | April 2020 –Sep 2020  |
| * Board Chairman, Health Academy, Saudi Commission for Health Specialties
 | Oct 2018 – present  |
| * Board of directors Chairman, Saudi Company of Health Information Ltd
 | Aug 2012 – present  |
| * Board Member, King Saud University Board, KSU
 | Jan 2012 – July 2020 |
| * Board Member and general secretary , King Saud University Medical City
 | Mar 2013 – July 2020  |
| * Board Member, Riyadh Valley Company
 | Sept 2015 – present  |
| * Board Member, Riyadh First Health Cluster
 | Feb 2018 – present  |
| * Board Member, Saudi Patient Safety Center
 | June 2019 – present  |
| * Board Member, King Abdullah bin Abdulaziz University Hospital
 | Dec 2019 – present  |
| * Board Member, King Khalid University Medical City
 | Oct 2017 – present  |
| * Chairman, Executive committee, Riyadh First Health Cluster
 | Marc 2019- present |
| * Board Member, Advisory board for Academic Affair, Dr Suleiman AlHabib Medical Group
 | June 2018-present |
| * Member, Investment Committee, Riyadh Valley Company
 | Sept 2015 – present  |
| * Member, Advisory Board of King Saud Medical City, Ministry of Health
 | Feb 2017 – Feb2018 |
| * Member, King Khaled University Medical City Board – Abha
 | Sept 2017 – present  |
| * Member, Exceptional Promotions Committee, KSU
 | Oct 2019 – present  |
| * Chairman, Committee for studying the eligibility of paying uniqueness, training and supervisory allowances for health practitioners, KSU
 | Feb 2013 – July 2020  |
| * Member, the higher committee for research chairs, KSU
 | Mar 2013 – July 2020  |
| * Chairman, Executive Committee of implementing Health Informatics System in University Hospitals, KSU
 | 2013 – Mary 2015 |
| * Vice Chairman, Deans' of Health Colleges Committee, KSU
 | Jan 2013 – May 2015 |
| * Chairman, Disciplinary Committee for Academic Staff and Employees, KSU
 | Jan 2012 – May 2015 |
| * Member, the supervisory committee of academic accreditation, KSU
 | Apr 2012 – July 2020  |
| * Member, Supervisory Committee for the Canadian Accreditation of University Hospitals
 | Dec 2008 – Jan 2012  |
| * Chairman, the advisory board for college of nursing, KSU
 | Sept 2012 – May 2015  |
| * Member, the supervisory committee of restructuring King Saud University
 | Feb 2013 – July 2020  |
| * Chairman, Committee for restructuring King Saud University Medical City, KSU
 | Feb 2013 – 2014 |
| * Member, Scientific Council of Ophthalmology, Arab Council for Health Specialties
 | Dec 2010 – Dec 2014 |
| * Member, Counseling Team for Studying Medical Insurance in the Kingdom of Saudi Arabia
 | 2013 |
| * Chairman, Utilization Management and Review Committee, King Abdulaziz University Hospital, College of Medicine, KSU
 | Aug 2010 – Oct 2011 |
| * Chairman, Operating Room Committee, King Abdulaziz University Hospital, College of Medicine, KSU
 | Feb 2010 – Mar 2012 |
| * Member, Committee to Lay the foundations and the application of statistical indicators of performance, KSU
 | Mar 2008 – 2012 |
| * Chairman, Control of Epidemics Committee, KSU
 | 2012 – present  |
| * Member, Control of Epidemics Committee, KSU
 | Aug 2009 - 2012 |
| * Member, Junior Board of Directors of University Hospitals, College of Medicine, KSU
 | Dec 2009 - 2012 |
| * Member, Committee for the audit of the policies and procedures of university hospitals, College of Medicine, KSU
 | Jan 2009 - 2012 |
| * Chairman, Continuous Medical Education Committee & Member, Board of Directors, Saudi Ophthalmology Society
 | 2008 - 2010 |
| * Member, Qualifications, Promotions, and Clinical privileges Committee, College of Medicine, KSU
 | Nov 2009 - 2012 |
| * Member, Central Committee of university hospitals accreditation, College of Medicine, KSU
 | Nov 2009 - 2012 |
| * Member, Medical Committee, College of Medicine, KSU
 | June 2008 - 2012 |
| * Member, Education and counseling committee, College of Medicine, KSU
 | Mar 2009 – 2012 |
| * Member, Central Committee of Quality in university hospitals, College of Medicine
 | Nov 2009 – 2012 |
| * Member, Ethics of Scientific Research Committee, College of Medicine, KSU
 | Mar 2011 – 2012  |
| * Member, Board of Directors of University Hospitals, College of Medicine, KSU
 | May 2008 – 2012  |
| * Member, Recruitment Committee, College of Medicine, KSU
 | Nov 2009 – 2012 |
| * Member, Promotions & Job Description Committee, College of Medicine, KSU
 | Feb 2008 – 2012 |
| * Member, Committee for training and scholarship, College of Medicine, KSU
 | Feb 2008 - 2012 |
| * Member, Medical Supplies Committee, College of Medicine, KSU
 | June 2008 – 2012  |
| * Co-Chairman, Scientific committee, Member, Steering Committee, Saudi Ophthalmology Meeting, Riyadh, Saudi Arabia
 | Mar 2011 |
| * Co-Chairman, Scientific committee, Keratoconus Day, Al-Hokama Eye Specialist Center & Saudi Ophthalmological Society, Riyadh, Saudi Arabia
 | Feb 2010  |
| * Co Chairman, Scientific committee, Member, Steering Committee, Saudi Ophthalmology Meeting, Riyadh, Saudi Arabia
 | Mar 2010  |
| * Co-Chairman, Scientific committee , Member, Steering Committee and Member, Organizing Committee, Saudi Ophthalmology Meeting, , Riyadh, Saudi Arabia
 | Mar 2009  |
| * Member, Scientific Committee, Middle East African Council of Ophthalmology, Manama, Bahrain
 | Mar 2009  |
| * Co-Chairman, Scientific committee and Member, Steering Committee, Saudi Ophthalmology Meeting, March 2008, Riyadh, Saudi Arabia
 | Mar 2008  |
| * Chairman, Organizing committee, 29th Seminar on Ocular Emergencies, Department of Ophthalmology, College of Medicine, KSU, Riyadh, Saudi Arabia
 | May 2008 |
| * Member, Academic and Cultural Committee, King Abdulaziz University Hospital
 | Jan 2007 – Feb 2008 |
| * Member, Academic and Cultural Committee, King Abdulaziz University Hospital
 | Jun 2005 – Feb 2008  |
| * Co-Chairman, Organizing committee, Saudi Ophthalmology Meeting, Riyadh, Saudi Arabia, Department of Ophthalmology, College of Medicine, KSU, Riyadh, Saudi Arabia
 | March 2007  |
| * Co-Chairman, Organizing committee, 26th Seminar on Ocular Surface Diseases, Department of Ophthalmology, College of Medicine, KSU, Riyadh, Saudi Arabia
 | May 2006 |

PUBLICATIONS

1. **Management of late mucous plaque keratopathy secondary to herpes zoster ophthalmicus**

Al- Muammar A, WB, Jackson

Can J Ophthalmol. 2004 Feb; 39(1):74-6

1. **Excimer Laser Correction of Hyperopia**

WB.Jackson, Al-Muammar A

Comprehensive Ophthalmology Update, Vol 5, No 5, May-June 2004

1. **Congenital unilateral alacrima**

Al-Muammar A, W.Hodge

Can J Ophthalmol. 2005 Feb; 40(1):83-4

1. **Post-traumatic Aspergillus scleritis**

Osman E, Hassaniah S , Al-Muammar A, Al Obeidan S

Saudi Journal of Ophthalmology 2005 March; 19(1): 27-30

1. **Donor age as a predictor of cornea transplant success**

Al-Muammar A, W.Hodge

Can J Ophthalmol. 2005 Aug;40(4):460-6.6

1. **Conjunctival T-cell Lymphoma A Clinicopathologic Case Report.**

Al-Muammar A, W.Hodge, Farmer J

Ophthalmology. 2006 Mar;113(3):459-61. Epub 2006 Jan 20

1. **Topography-guided CATz versus conventional LASIK for myopia with the NIDEK EC-5000: A** **bilateral eye study**

Farooqui M, Al-Muammar A

J Refract Surg. 2006 Oct:22(8):741-5

1. **Clinical and optical coherence tomographic findings and outcome of treatment in patients with** **presumed tuberculous uveitis**

Al-Mezaine HS, Al-Muammar A, Kangave D, Abu El-Asrar AM.

Int Ophthalmol. 2008 Dec; 28(6): 413-23. Epub 2007 Nov 22.

1. **Efficacy and safety of Deep Sclerectomy in uveitic glaucoma**

Al Obeidan SA, Osman EA, Al-Muammar A, Abu El-Asrar AM.

Int Ophthalmol. 2008 Jun 19.

1. **Corneal flap thickness in laser in situ keratomileusis using Moria M2 microkeratome single use head**

Al-Muammar A, Al-Suwaida A, M. Farooqui

Saudi Journal of Ophthalmology. 2008 Sept; 22(3): 173-76

1. **Bimanual Micro Incisional Cataract Surgery technique & clinical outcome**

Al-Muammar A

Saudi Journal of Ophthalmology. 2009 Jul-Spet; 23(2): 149-155

1. **Comparison of central corneal thickness measurements by Pentacam, noncontact specular microscope, and ultrasound pachymetry in normal and post-LASIK eyes**

Al-Ageel S, Al-Muammar A

Saudi Journal of Ophthalmology. 2009 Oct; 23(3-4): 181-187

1. **The Gundersen Flap: A New Modification**

Bawazeer A., Maniyar A., Mintsioulis G., Al-Muammar A.

Med. Sci. 2009; 16(1):21-27

1. **Controlled Cyclophotocoagulation with diode laser in refractory glaucoma and long term follow up at King Abdulaziz University Hospital, Riyadh**

Essam O, Al-Muammar A, Mousa A, Al-Mezaine H, Al-Obeidan S.

Saudi Journal of Ophthalmology. 2010 Jan; 24:9-13

1. **Vogt-Kyonagi-Harada disease occurring during interferon-alpha and ribavirin therapy for chronic hepatitis C virus infection**

Al-Muammar A, Al-Mudhaiyan T, Al-Otaibi M, Abdo A, Abu El-Asrar A.

Int Ophthalmol. 2010 Feb; 30:611-613

1. **Analysis of the VSX1 gene in keratoconus patients from Saudi Arabia**

 Abu-Amero K., Kalantan H., Al-Muammar A

 Molecular Vision. 2011 March; 17:667-672

1. **High-resolution analysis of DNA copy number alterations in patients with isolated sporadic keratoconus**

Abu-Amero K., Hellani A., Al Mansouri S., Kalantan H., Al-Muammar A

Molecular Vision. 2011 March; 17:822-8

1. **Peripheral Sterile Corneal Infiltrate in Two Brothers after Photorefractive Keratectomy**

Al-Muammar A

Saudi Journal of Ophthalmology. 2011 March; 25:305-308

1. **Development and Validation of an Arabic Version of the Visual Functioning Index VF-14 for Cataract Patients.**

Ahmed Mousa, Ali H. Al Ghamdi, Hatem Kalantan, Abdul R. Al Muammar

Middle East African Journal of Ophthalmology (2012) 19(3): 309-313.

1. **The outcomes of mycophenolate mofetil therapy combined with systemic corticosteroids in acute uveitis associated with Vogt–Koyanagi–Harada disease**

Ahmed M. Abu El-Asrar, Suhail Hemachandran, Hani S. Al-Mezaine, Dustan Kangave and Abdulrahman M. Al-Muammar

Acta Ophthalmol. 2012 Dec;90(8):e603-8. doi: 10.1111/j.1755-3768.2012.02498.x. Epub 2012 Sep 12.

1. **Prognostic factors for clinical outcomes in patients with Vogt-Koyanagi-Harada disease treated with high-dose corticosteroids**

Abu El-Asrar AM, Al Tamimi M, Hemachandran S, Al-Mezaine HS, Al-Muammar A, Kangave D.

Acta Ophthalmol. 2013 Sep;91(6):e486-93.

1. **Frequency of retinal detachment after cataract surgery in highly myopic patients.**

Al Muammar AR, Al-Harkan D, Al-Rashidy S, Al-Suliman S, Mousa A

Saudi Med J. 2013 May;34(5):511-7.

1. **Long-term Evaluation of Efficacy and Safety of Deep Sclerectomy in Uveitic Glaucoma**

Al Obeidan SA, Osman EA, Mousa A, Al-Muammar AM, Abu El-Asrar AM.

Ocul Immunol Inflamm. 2014 Jan 10. [Epub ahead of print]

1. **Analysis of the SOD1 Gene in Keratoconus Patients from Saudi Arabia.**

Al-Muammar AM, Kalantan H, Azad TA, Sultan T, Abu-Amero KK.

Ophthalmic Genet. 2014 Feb 19. [Epub ahead of print]

1. **Mitorchondrial Sequence Changes in Keratoconus Patients**

Abu-Amero KK, Azad TA, Kalantan H, Sultan T, Al-Muammar AM.

Invest Ophthalmol Vis Sci. 2014 Mar 20;55(3):1706-10.

1. **Association of mitochondrial haplogroups h and R with keratoconus in Saudi Arabian patients**

Abu-Amero KK, Azad TA, Sultan T, Kalantan H, Kondkar AA, Al-Muammar AM.

Invest Ophthalmol Vis Sci. 2014 May 1;55(5):2827-31.

1. **Keratoconus is associated with increased copy number of mitorchondrial DNA**

Khaled. K. Abu-Amero, Altaf A. Kondkar, Taif Anwar Azad, Tahira Sultan, Hatem Kalantan, Abdulrahman M. Al-Muammar

Molecular Vision. 2014 August 27; 20:1203-1208.

1. **Genetics of Keratoconus: Where Do We Stand?**

Khaled. K. Abu-Amero, Abdulrahman M. Al-Muammar, and Altaf A. Kondkar

Journal of Ophthalmology. 2014 August 28; Article ID 641708.

1. **Case-control association between CCT associated variants and keratoconus in a Saudi Arabian population**

Khaled K. Abu-Amero, Inas Helwa, Abdulrahman Al-Muammar, Shelby Strickland, Michael A. Hauser, R. Rand Allingham and Yutao Liu

Journal of Negative Results in BioMedicine. 2015; 14:10

1. **Comparison of Visual, Refractive and Topographic Keratometry Outcomes of Intacs and Intacs** **SK in Mild to Moderate Keratoconus Eyes**

Abdulrahman Al Muammar

Middle East African Journal of Ophthalmology, January - March 2015, 22 (1): 74-9.

1. **Screening of the Seed Region of MIR184 in Keratoconus Patients from Saudi Arabia**

Khaled K. Abu-Amero, Inas Helwa, Abdulrahman Al-Muammar, Shelby Strickland,

 Michael A. Hauser, R. Rand Allingham, and Yutao Liu

 BioMed Research International, August 2015, Volume 2015, Article ID 604508, 7 pages.

1. **A novel interdisciplinary health professions education program at King Saud University: strategy and structure (Phase I)**

Al-Naami M., Aretz T., Al-Shehri M., Al-Muammar A., Daud M.

South East Asian Journal of Medical Education, 2015;9(1):26-34.

1. **Lack of Mitochondrial DNA Deletion(s) in Patients with Keratoconus**

Abdulrahman M. Al-Muammar, Mohammed A. Gogandi, Khaled K. Abu-Amero

International Journal of Advances in Case Reports, 2015;2(24):1496-1499.

1. **Preferred Method of Education among Patients in Ophthalmic Care in Saudi Arabia**

 Al-Hilali S., Al-Muammar A, Al-Kahtani E., Khandekar R., Al-Jasser A.

Middle East Afr J Ophthalmol 2016 Apr-Jun; 23(2): 168–171.

1. **Chronic Recurrent Vogt-Koyanagi-Harada Disease and Development of 'Sunset Glow Fundus'** **Predict Worse Retinal Sensitivity.**

Abu El-Asrar AM, Al Mudhaiyan T, Al Najashi AA, Hemachandran S, Hariz R, Mousa A, Al-Muammar A.

Ocul Immunol Inflamm. 2017 Aug;25(4):475-485.

1. **Mycophenolate mofetil combined with systemic corticosteroids prevents progression to chronic recurrent inflammation and development of 'sunset glow fundus' in initial-onset acute uveitis associated with Vogt-Koyanagi-Harada disease.**

Abu El-Asrar AM, Dosari M, Hemachandran S, Gikandi PW, Al-Muammar A.

Acta Ophthalmol. 2017 Feb;95(1):85-90.

1. **Polymorphism rs13334190 in zinc finger protein 469 (ZNF469) is not a risk factor for keratoconus in a Saudi cohort.**

Hatem Kalantan, Altaf A. Kondkar, Tahira Sultan, Taif A. Azad, Nasser A. Alsabaani, Masoud Ali AlQahtan, Abdulrahman Almummar, Yuato Liu and Khaled K. Abu‑Amero

BMC Research Notes. (2017, Nov) 10:652

1. **Paradigm Shift in Healthcare through Technology and Patient-Centeredness.**

Abdulrahman Mohammed Al Muammar, Zakiuddin Ahmed and Abdullah M. Aldahmash

Int Arch Public Health Community Med. (2018, Dec) 2:015

1. **Implementing a connected health intervention for remote patient monitoring in Saudi Arabia and Pakistan: explaining ‘the what’ and ‘the how’**

Abdullah M. Aldahmash, Zakiuddin Ahmed, Fatima R. Qadri, Subash Thapa and

Abdulrahman Mohammed AlMuammar

Globalization and Health. (2019, Mar) 15:20

1. **PPIP5K2 and PCSK1 are Candidate Genetic Contributors to Familial Keratoconus.**

Mariam Lofty Khaled, Yelena Bykhovskaya, Chunfang Gu, Alice Liu, Michelle D. Drewry, Zhong Chen, Barbara A. Mysona, Emily Parker, Ryan P. McNabb, Hongfang Yu, Xiaowen Lu, Jing Wang, Xiaohui Li, Abdulrahman Al-Muammar, Jerome I. Rotter, Louise F. Porter, Amy Estes, Mitchell A. Watsky, Sylvia B. Smith, Hongyan Xu, Khaled K. Abu-Amero, Anthony Kuo, Stephen B. Shears, Yaron S. Rabinowit & Yutao Liu

Nature. (2019) 9:19406

1. **Corneal elevation indices and pachymetry values of Saudi myopes using scheimpflug imaging.**

Alsaif NK, Al-Sharif EM, Alsaif SK, Mousa A, Al-Muammar AM.

Saudi Med J. 2020 Feb;41(2):168-176.

1. **Successful surgical management of post-penetrating or deep lamellar keratoplasty Acquired Corneal Sub-Epithelial Hypertrophy (ACSH): A case series.**

Abdulmohsen Almulhim, Moustafa S Magliyah, Abdullah Alfawaz, Jose Manuel Vargas, Abdulrahman Al-Muammar, Hind Alkatan

Int J Surg Case Rep. 2020;67:191-195.

TEXT BOOKS CHAPTERS

1. **Photorefractive keratectomy**

(Chapter written for Cornea, textbook 2nd edition by Jay H. Krachmer, MD, Mark J.

Mannis, MD and Edward J. Holland, MD)

WB. Jackson, A. Al-Muammar

1. **Clinical application of wave front technology**

(Chapter written for Cornea, textbook 2nd edition by Jay H. Krachmer, MD, Mark J.

Mannis, MD and Edward J. Holland, MD)

G. Mitsioulis, R. Muger, A. Al-Muammar

EDUCATIONAL COURSES AND SYMPOSIA

|  |  |
| --- | --- |
| * Saudi ophthalmology symposium, Riyadh, KSA
 | Aug 2020 |
| * Lean Six Sigma Green Belt Certificate
 | Feb 2020 |
| * 5th international red sea ophthalmology symposium Jeddah, KSA
 | Nov 2019 |
| * The 23rd winter meeting of the European society of cataract and refractive surgery society Athena, Greece
 | Feb 2019 |
| * Saudi ophthalmology symposium, Riyadh, KSA
 | Mar 2019 |
| * Leadership for customer by GE
 | Aug 2018 |
| * American society of cataract and refractive surgery annual meeting , Washington, USA
 | Apr 2018 |
| * Saudi ophthalmology symposium, Riyadh, KSA
 | Mar 2018 |
| * Saudi ophthalmology symposium, Riyadh, KSA
 | Mar 2017 |
| * Strength-Based Approach in Leadership Development, Stockholm, Sweden by Mackenzy
 | Nov 2016 |
| * Saudi ophthalmology symposium, Riyadh, KSA
 | Mar 2016 |
| * American society of cataract and refractive surgery annual meeting, San Diego, USA
 | Apr 2015 |
| * 2nd Evolving Practice of Ophthalmology Middle East Conference, UAE
 | Mar 2015 |
| * Saudi ophthalmology symposium, Riyadh, KSA
 | Mar 2015 |
| * Certified KPI Professional, KPI Institute, Riyadh, Saudi Arabia
 | Nov 2015 |
| * 1ST Red Sea Ophthalmology Symposium, Jeddah, Saudi Arabia
 | Jan 2015 |
| * Patient Experience Conference, Mayo Clinic, Dubai, UAE
 | Dec 2014 |
| * Change Leaders Forum, McKinsey & Company, Dubai, UAE
 | Sep 2014 |
| * Saudi ophthalmology symposium, Riyadh, KSA
 | Mar 2014 |
| * 15th Emirates Ophthalmology Congress, Dubai, UAE
 | Dec 2013 |
| * 9th International Congress of Corneal Cross-Linking, Dublin, Ireland
 | Dec 2013 |
| * American Society for Cataract and Refractive Surgery annual meeting, San Francisco, USA
 | Apr 2013 |
| * Saudi ophthalmology symposium, Riyadh, KSA
 | Mar 2013 |
| * 38th Seminar on "Imaging in Ophthalmology", King Saud University, Riyadh, KSA
 | Oct 2012 |
| * Update in Cornea and Refractive Surgery Symposium, Riyadh Military Hospital, Riyadh, KSA
 | Apr 2012 |
| * Saudi ophthalmology symposium, Riyadh, KSA
 | Apr 2012 |
| * 4th Ophthalmology Symposium - Updates in Cornea and Refractive Surgery, Riyadh, KSA
 | Apr 2012 |
| * American Society for Cataract and Refractive Surgery annual meeting, Chicago, USA
 | Apr 2012 |
| * World Ophthalmology Congress, Abu Dhabi, UAE
 | Feb 2012 |
| * Ophthalmology Residency Training Future Directions, Riyadh, KSA
 | Feb 2012 |
| * 36th Seminar on Recent Advances in Keratopathy, Riyadh, KSA
 | Dec 2011 |
| * American Society of Cataract and Refractive Surgery, annual meeting, San Diego, USA
 | Mar 2011  |
| * Saudi ophthalmology symposium, Riyadh, KSA
 | Apr 2011 |
| * Emirates Ophthalmology Congress, Dubai, UAE
 | Dec 2010 |
| * Saudi Ophthalmology Meeting, Riyadh, KSA
 | Mar 2010 |
| * Academic Leadership Development Workshop, King Saud University, Riyadh, KSA
 | Jan 2010 |
| * Seminar on Outcomes of Orbital Fracture Repair, Riyadh, KSA
 | Dec 2009 |
| * Ocular Emergencies Symposium, King Abdulaziz University, Jeddah, KSA
 | Jun 2009 |
| * Seminar on Amblyopia & Strabismus Outcome: An Update, Riyadh, KSA
 | May 2009 |
| * Saudi Ophthalmology Meeting, Riyadh, KSA
 | Mar 2009 |
| * Emirates Ophthalmology Congress, Nov 2008, Dubai, UAE
 | Nov 2008 |
| * Seminar on Micro Incision Cataract Surgery, Riyadh, KSA
 | Oct 2008 |
| * Saudi Ophthalmology Meeting, Riyadh, KSA
 | Mar 2008 |
| * 2nd Medical Career Day, King Faisal University, Dammam, KSA
 | Mar 2008 |
| * European Society of Cataract and Refractive Surgeons Winter Meeting, Barcelona, Spain
 | Feb 2008 |
| * Seminar on laser refractive surgery, Riyadh, KSA
 | May 2007 |
| * Saudi Ophthalmology Meeting, Riyadh, KSA
 | Mar 2007 |
| * European cataract and refractive surgery society winter meeting, Athena, Greece
 | Feb 2007 |
| * Ocular surface diseases seminar, Riyadh, KSA
 | May 2006  |
| * International Society of Refractive Surgery/AAO Meeting, Istanbul, Turkey
 | May 2006 |
| * Saudi Ophthalmology Meeting, Riyadh, KSA
 | Mar 2006 |
| * Uveitis Course and Symposium, Riyadh, KSA
 | Dec 2005 |
| * Pan Arab African Ophthalmology Meeting, Dubai, UAE
 | Apr 2005  |
| * Saudi Ophthalmology Meeting, Riyadh, KSA
 | Mar 2005 |
| * Workshop on Medical Education, Riyadh, KSA
 | Feb 2005  |
| * Saudi Ophthalmology Meeting, Riyadh, KSA
 | Mar 2004 |
| * Canadian Ophthalmological Society Annual Meeting, Halifax, Canada
 | Jun 2003 |
| * The Sally Letson Symposium, Uveitis, Ottawa, Canada
 | Sep 2002  |
| * Alcon Master Club Meeting, Miami, FL, USA
 | Mar 2002 |
| * Wills Eye Hospital, the 27th Annual Ophthalmology Review Course
 | Mar 2002 |
| * Canadian Ophthalmological Society Annual Meeting, Hull, Canada
 | Jun 2002 |
| * American Society of Cataract and Refractive Surgery Annual Meeting, San Diego, CA, USA
 | Apr 2001 |
| * The Sally Letson Symposium, Neuro-Ophthalmology, Ottawa, Canada
 | Sep 2000 |
| * American Academy of Ophthalmology Annual Meeting, Dallas, TX, USA
 | Oct 2000 |
| * The Sally Letson Symposium, Cornea and External Diseases, Ottawa, Canada
 | Sep 1999  |
| * Canadian Ophthalmological Society annual meeting, Halifax, Canada
 | Jun 1999 |
| * The Sally Letson Symposium, Glaucoma, Ottawa, Canada
 | Sep 1998 |
| * The Sally Letson Symposium, Refractive Surgery, Ottawa, Canada
 | Sep 1997  |