

Curriculum Vitae



Rami Al-Dwairi

- MD
- Consultant Vitreoretinal Surgery, King Abdullah University Hospital.
- Associate Professor in Ophthalmology, Jordan University of Science and Technology

Rami Al-Dwairi, MD

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Personal Profile

- **Name:** Rami Ali Salem Al-Dwairi
- **Place of birth:** Irbid, Jordan
- **Date of birth:** 15 /4/ 1980
- **Nationality:** Jordanian
- **Mailing address :** Irbid –Jordan
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- **Language:** Arabaic, English and German

Education

- 1997 High school education (Tawjihi), UAE
- 1997-2003 Bachelor Degree in Medicine and Surgery, Jordan University Of Science and Technology Jordan; JPA: Excellent
- 2004-2008 Master Degree in Ophthalmolgoy, Jordan University of Science and Technology
- 2004-2008 Residency program in Ophthalmology, King Abdullah University Hospital
- 2008 Jordanian Board of Ophthalmology
- 2013 Fellowship in Vitreoretinal Surgery, Goethe University

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Experiences and Workshops

- 2003-2004 Intern doctor, Jordanian Ministry of Health, Jordan
- 2008-2009 Assistant in Vitreoretinal clinic at Ibn-Alhaytham Hospital in Amman/Jordan
- 2008-2009 Teacher in the Arab Board Program in Ophthalmology residency program at Ibn-Alhaytham Hospital in Amman/Jordan
- 2009-2011 Fellowship in the Ophthalmology Department at King Abdullah University Hospital, Irbid, Jordan
- 2009-2011 Teaching and Research Assistant in at Department of Ophthalmology, Jordan University of Science and Technology, Irbid, Jordan
- 2011-2013 Training and Fellowship in Vitreoretinal Surgery in Goethe University, Frankfurt/Germany
- 2013- 2022 Assistant Professor in Ophthalmology, Jordan University of Science and Technology, Irbid, Jordan
- 2022- now Associate Professor in Ophthalmology, Jordan University of Science and Technology, Irbid, Jordan
- 2013-now Ophthalmology Consultatnt at King Abdullah University Hospital, Irbid, Jordan
- 2018-2019 Head of the Ophthalmology Department in Jordan University of Science and Technology and King Abdullah University Hospital, Irbid, Jordan
- 2020-now Supervisor for Vitreoretinal training, King Abdullah University Hospital

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Publications

1. Al-Dwairi R, El-Elimat T, Aleshawi A, Al Sharie A, Al Beiruti S, Sharayah A, Al Qudah M, Abu Zreig L, Awad W, Alzoubi H. Vitreous MMP-2, TIMP-1, and TIMP-2 Levels in Vitreoretinal Pathologies: A Prospective Analysis of 181 Eyes. *Int J Mol Sci.* 2025 Sep 14;26(18):8947.
2. Al-Dwairi R, Ahmad AA, Aleshawi A, Al-Bataineh QM, Bani-Salameh AA, Aljarrah IA, Sharayah A, Tashtoush M, Al Qudah M, Al Beiruti S, Alqudah A, Abu Serhan H. Associations Between Clinical Parameters and Optical-Physicochemical Properties of Silicone Oil Extracted after Pars Plana Vitrectomy: An In Vitro Analysis of 35 Eyes. *J Ocul Pharmacol Ther.* 2025 Oct 3
3. Jaradat A, Al-Dwairi R, Abdallah A, Hulliel AF, Alshaykh R, Al Nuaimi M, Barbarawi AA, Al Beiruti S, Aleshawi A. Ocular Manifestations in Pediatric Traumatic Brain Injury Admitted to the ICU: A Prospective Analysis. *Vision (Basel).* 2025 Oct 4;9(4):82
4. Alzu'bi A, Momany S, Aleshawi A, Tashtoush M, Al-Dwairi R. The utility of artificial intelligence in characterization and detecting causes of macular edema: A spectral-domain OCT-based algorithm study. *Exp Eye Res.* 2025 Nov;260:110619. doi: 10.1016/j.exer.2025.110619
5. Baker M, Abedal-Kareem K, Eid S, Alkhawaldeh M, Albashaireh Y, Joulani J, Bani Amer S, Hazaimah E, Jbarah OF, Aleshawi A, Al-Dwairi R. Ocular Manifestations in Congenital Insensitivity to Pain with Anhidrosis: A Window into a Rare Syndrome. *Vision (Basel).* 2025 Jul 21;9(3):62
6. Alqudah A, Al-Dwairi R, Sharayah A, Al-Qudah NS, Almustafa YS, Al-Qudah A, Alharahsheh D, Al Awam RK, Al-Qudah H, Aleshawi A. Second Eye Syndrome: Patients' Perspectives Regarding First Eye versus Second Eye Phacoemulsification and Intraocular Lens Implantation Surgery. Patient Prefer Adherence. 2025 Jul 19;19:2081-2094.
7. Aleshawi A, Al-Dwairi R, Saleh OA, Adi S, Al Beiruti S, Alasheh A, Alsaadi MA, Ouda ZH, Allouh MZ. Recurrent Rhegmatogenous Retinal Detachment: Characteristics, Risk Factors, and Outcomes. *Ther Clin Risk Manag.* 2025 Apr 1;21:425-440
8. Aleshawi A, Al-Dwairi R, Al Qudah M, Sharayah A, Al Nuaimi M, Abu Serhan H. Cholesterolosis Bulbi in an Eye with Retinal Capillary Hemangioma: A Rare Association with Chemical Analysis. *Case Rep Ophthalmol.* 2025 Apr 3;16(1):336-340
9. Aleshawi A, Al Qudah MA, Alazmi H, Al Sharie A, Elnagar Jnr HS, Alzoubi H, Almutairi S, Al Beiruti S, Al-Dwairi R. Unusual Presentation of Extensive Visually Significant Pseudoexfoliative Deposits on an Intraocular Lens Implant in a Pseudophakic Eye: Insights and Implications. *Clin Optom (Auckl).* 2025 Mar 31;17:127-131
10. Al Sharie AH, Al-Omari SO, Aleshawi A, Al-Dwairi R, Al Deyabat O. Checkmate awaiting strategy: unlocking the potential of chimeric antigen receptor T-cell therapy in uveal melanoma. *Front Oncol.* 2025 Feb 18;15:1555842.

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11. Al-Dwairi R, Jammal HM, Al Qudah M, Alazmi H, Almutairi S, Aleshawi A. Iris-Claw Intraocular Lens Implantation in Pediatric Population: Indications, Outcomes, and a Comparison with Adult Population. *J Clin Med*. 2025 Feb 10;14(4):1135
12. Al-Dwairi R, Saleh O, Mohidat H, Al Beiruti S, Alshami A, El Taani L, Sharayah A, Al Sharie AH, Aleshawi A. Characteristics, Risks, and Prevention of Rhegmatogenous Retinal Detachment in the Contralateral Eye. *J Clin Med*. 2025 Jan 2;14(1):222.
13. Al-Dwairi R, Ahmad AA, Aleshawi A, Al-Bataineh QM, Bani-Salameh A, Aljarrah IA, Al Beiruti S, Alhabachi A. The influence of UV-visible light, microwave radiation, argon laser, and heating and aging processes on silicone oil utilized as intravitreal implants: Experimental exposure with clinical correlation. *PLoS One*. 2024 Dec 31;19(12):e0316212.
14. Al-Dwairi R, Ahmad AA, Aleshawi A, Bani-Salameh A, Aljarrah IA, Al-Bataineh QM, Mohidat H, Al Sharie AH. Optical and Physical Properties of Silicone Oil Extracted from the Vitreous of Patients Who Underwent Vitrectomy for Retinal Detachment. *J Ocul Pharmacol Ther*. 2022 Dec;38(10):717-727. doi: 10.1089/jop.2022.0081
15. Al-Dwairi RA, Shihadeh WA, Alqudah AA, Alqudah NM, Msallam M, Alrazem F, Alshamarti S, Shannak Z, Abueid M, Aleshawi A. Outcomes of Iris-Claw IOL Implantation in Patients with Marfan's Syndrome in Jordan. *Clin Ophthalmol*. 2022 Nov 17;16:3811-3819. doi: 10.2147/OPTH.S385352.
16. Al-Dwairi RA, Aleshawi A, Shannak Z, Al-Shorman W, Sharie AA. Postoperative exogenous endophthalmitis caused by *Escherichia coli*: a rare case report and literature review. *Future Sci OA*. 2023 Apr 4;9(4):FSO850. doi: 10.2144/fsoa-2022-0076. PMID: 37090490
17. Al-Dwairi R, El-Elimat T, Aleshawi A, Al Sharie AH, Abu Mousa BM, Alkazaleh A, Mohidat H. Vitreous Levels of Vascular Endothelial Growth Factor and Platelet-Derived Growth Factor in Patients with Proliferative Diabetic Retinopathy: A Clinical Correlation. *Biomolecules*. 2023 Nov 8;13(11):1630. doi: 10.3390/biom13111630
18. Al-Dwairi R, Ahmad AA, Aleshawi A, Bani-Salameh AA, Aljarrah IA, Al-Bataineh QM, Al Beiruti S, Alshami AO, Rusen E, Toader G. Silicone Oil Utilized in Pars Plana Vitrectomy for Patients with Advanced Proliferative Diabetic Retinopathy: Physico-Chemical and Optical Properties. *Clin Ophthalmol*. 2023 Dec 6;17:3719-3728. doi: 10.2147/OPTH.S447099
19. Al-Dwairi RA, Aleshawi A, Abu-Zreig L, Al-Shorman W, Al Beiruti S, Alshami AO, Allouh MZ. The Economic Burden of Diabetic Retinopathy in Jordan: Cost Analysis and Associated Factors. *Clinicoecon Outcomes Res*. 2024 Mar 15;16:161-171. doi: 10.2147/CEOR.S454185. PMID: 38505256
20. Al-Dwairi R, El-Elimat T, Aleshawi A, Al Sharie A, Al Beiruti S, Sharayah AK, Allouh M. Vitreous levels of pigment epithelium-derived factor and vascular endothelial growth factor in diabetic and non-diabetic retinopathy: associated factors and anatomical correlation. *Int J Retina Vitreous*. 2024 May 21;10(1):38. doi: 10.1186/s40942-024-00556-2
21. Al-Dwairi R, Altal O, Fares M, Adi SH, Said SA, Shurair A, Al-Bataineh R, Aljarrah I, Al Beiruti S, Al Sharie AH, et al. Utility of Fundus Autofluorescence and Optical Coherence

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- Tomography in Measuring Retinal Vascular Thickness, Macular Density, and Ophthalmic Manifestations in Women with Gestational Diabetes Mellitus. *Life*. 2024; 14(12):1596. <https://doi.org/10.3390/life14121596>.
22. Al-Dwairi R, Saleh O, Aleshawi A, et al. Anterior Versus Retropupillary Iris-Claw Intraocular Lens: Indications, Visual Outcome and Postoperative Complications. *Ophthalmol Ther*. 2022;11(2):771-784. doi:10.1007/s40123-022-00474-2
 23. Al-Dwairi R, Rwashdeh H, Ootom M. The Influence of COVID-19 Lockdown in Jordan on Patients with Diabetic Retinopathy: A Case-Control Study. *Ther Clin Risk Manag*. 2021;17:1011-1022. Published 2021 Sep 14. doi:10.2147/TCRM.S316265
 24. Al-Dwairi R, Aleshawi A, Adi S, Abuzreigh L. Reactivation of Herpes Simplex Keratitis on a Corneal Graft Following SARS-CoV-2 mRNA Vaccination. *Med Arch*. 2022 APR; 76(2): 146-148.
 25. Al-Dwairi R, Msallam M. Unilateral Ocular Siderosis Bulbi Due to Missed Metallic Intraocular Foreign Body Masquerading as Anisocoria of Neurological Origin: A Case Report. *Am J Case Rep*. 2021;22:e930504. Published 2021 May 5. doi:10.12659/AJCR.930504
 26. Saleh OA, Al-Dwairi RA, Mohidat H, et al. International multi-center study of iatrogenic retinal tears in pars plana vitrectomy. *Int J Ophthalmol*. 2019;12(6):996-1000. Published 2019 Jun 18. doi:10.18240/ijo.2019.06.19
 27. Rehab M. Duwairi & Saad A. Al-Zboon & Rami A. Al-Dwairi & Ahmad Obaidi, 2021. "A Deep Learning Model and a Dataset for Diagnosing Ophthalmology Diseases," *Journal of Information & Knowledge Management (JIKM)*, World Scientific Publishing Co. Pte. Ltd., vol. 20(03), pages 1-21, September.
 28. Kaplan NM, Al-Dwairi RA, AlRabadi NN. Fungal keratitis due to *Scopulariopsis brevicaulis* and a potential promising therapeutic effect of antibacterial agents: A case report. *Medicine (Baltimore)*. 2021;100(49):e28203. doi:10.1097/MD.00000000000028203
 29. Alqudah AA, Al Dwairi RA, Alqudah NM, Abumurad SK. COVID-19 Lockdown and Eye Injury: A Case Series from Jordan. *Int Med Case Rep J*. 2020;13:493-501. Published 2020 Oct 9. doi:10.2147/IMCRJ.S274284
 30. Deuchler S, Wagner C, Singh P, et al. Clinical Efficacy of Simulated Vitreoretinal Surgery to Prepare Surgeons for the Upcoming Intervention in the Operating Room. *PLoS One*. 2016;11(3):e0150690. Published 2016 Mar 10. doi:10.1371/journal.pone.0150690
 31. Schaefer H, et al. Can postoperative accelerated lens opacification be limited by lying in "face-down position" after vitrectomy with gas as tamponade? *Klin. Monatsbl. Augenheilkd*. 2015;232:966–975. doi: 10.1055/s-0035-1545992

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Conferences

- The 17th Congress of the European Society of Retina Specialist, Barcelona, Spain, 2017.
- Amman Retina Meeting in collaboration Middle East Africa Council of Ophthalmology and Middle East Africa Vitreo-Retinal Society, Amman 2022
- The 9th Scientific Conference of Faculty of Medicine “JUST to adjust your health: Time to give back to community”, Irbid, Jordan, 2017
- The 12th International Congress of Jordanian Ophthalmology Society, Amman, Jordan, 2015
- The Meeting of “Treat with Foresight”, Amman, Jordan 2019
- The First International Jordanian American Congress of Ophthalmology, Amman, Jordan, 2016
- The 14th International Conference of the Middle East and Africa Council of Ophthalmology, Dead Sea, Jordan, 2019
- Jordan AMD Advisory Board, Jordan, 2020
- Keeping Focus on Patient During COVID-19 era, Is there a common vision for the treatment of DME?, 2020
- EURETINA 2020, A virtual meeting, 2022
- Medical Event: Advanced Retina Preceptation Program, London, UK, 2019
- The 12th International Congress on OCT and OCT angiography, FLO Retina, Italy, 2024

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