

Hamza Alrabai, MD

Associate Professor, College of Medicine, King Saud University, Riyadh, Saudi Arabia
Consultant Orthopedic Surgeon
Limb Lengthening and Reconstruction Surgery
Pediatric Orthopedics



Education and Qualifications

- 2017 International Center for Limb Lengthening Research Fellowship**, Rubin Institute for Advanced Orthopedics, Baltimore, USA
- 2016 Pediatric Orthopedics and Deformities Clinical Fellowship**, Orthopedic Hospital Speising, Vienna, Austria
- 2013 Jordanian Board of Orthopedics**, Amman, Jordan
- 2013 Medical Council of Canada Evaluating Examination (MCCEE)**
- 2012 International English Language Testing System (IELTS)**, Academic, Band 7
- 2012 Saudi Board of Orthopedics (SB-Orth)**, Riyadh, Saudi Arabia
- 2006 Bachelor of Medicine and Bachelor of Surgery (MBBS)**, King Saud University, Riyadh, Saudi Arabia



Experience

- 2023-Present Associate Professor**, College of Medicine, King Saud University, Riyadh, Saudi Arabia
- 2019-2022 Treasurer**, Saudi Orthopedic Association, Riyadh, Saudi Arabia
- 2019-2022 National Delegate**, Asia Pacific Orthopaedic Association, Kuala Lumpur, Malaysia
- 2018-2023 Assistant Professor**, College of Medicine, King Saud University, Riyadh, Saudi Arabia
- 2018-Present Instructor**, Baltimore Limb Deformity Course, International Center for Limb Lengthening, Baltimore, MD, USA
- 2018-Present Instructor**, Hull Deformity Planning Course, Hull, UK
- 2022-Present Member**, Limb Reconstruction Subspecialty Committee, International Society of Orthopaedic Surgery and Traumatology (SICOT), Brussels, Belgium
- 2022-Present Orthopedic Consultant**, King Khalid University Hospital, King Saud University, Riyadh, Saudi Arabia
- 2012-2017 Orthopedic Specialist**, King Khalid University Hospital, King Saud University, Riyadh, Saudi Arabia
- 2007-2012 Orthopedic Resident**, Saudi Orthopedic Residency Program, Riyadh, Saudi Arabia



Publications

- Hlukha LP, **Alrabai HM**, Sax OC, Hammouda AI, McClure PK, Herzenberg JE. Mechanical Failures in Magnetic Intramedullary Lengthening Nails. *J Bone Joint Surg Am.* 2023 Jan 18;105(2):113-127. doi: 10.2106/JBJS.22.00283. Epub 2022 Dec 15. PMID: 36651888.
- McClure PK, **Alrabai HM**, Herzenberg JE. Growth modulation for fixed flexion contracture of the knee: a comparison of two techniques. *J Pediatr Orthop B.* 2021 Jan;30(1):37-42.
- Alrabai HM**, Gesheff MG, Hammouda AI, Conway JD. Trapezius Muscle Transfer for Restoration of Elbow Extension in a Traumatic Brachial Plexus Injury. *J Hand Surg Am.* 2018 Sep;43(9):872.e1-872.e6.
- Chraim M, **Alrabai HM**, Krenn S, Bock P, Trnka HJ. Short-Term Results of Endoscopic Percutaneous Longitudinal Tenotomy for Noninsertional Achilles Tendinopathy and the Presentation of a Simplified Operative Method. *Foot Ankle Spec.* 2018 Jul 26;1938640018790070.
- Farr S, **Alrabai HM**, Meizer E, Ganger R, Radler C. Rebound of Frontal Plane Malalignment After Tension Band Plating. *J Pediatr Orthop.* 2018 Aug;38(7):365-369.
- Chraim M, Krenn S, **Alrabai HM**, Trnka HJ, Bock P. Mid-term follow-up of patients with hindfoot arthrodesis with retrograde compression intramedullary nail in Charcot neuroarthropathy of the hindfoot. *Bone Joint J.* 2018 Feb;100-B(2):190-196.
- Algarni AD, **Alrabai HM**, Al-Ahaideb A, Kachanathu SJ, AlShammari SA. Arabic translation, cultural adaptation, and validation study of Knee Outcome Survey: Activities of Daily Living Scale (KOS-ADLS). *Rheumatol Int.* 2017 Sep;37(9):1585-1589.
- McClure PK, **Alrabai HM**, Conway JD. Preoperative Evaluation and Optimization for Reconstruction of Segmental Bone Defects of the Tibia. *J Orthop Trauma.* 2017 Oct;31 Suppl 5:S16-S19.
- Alrabai HM**, Farr A, Bettelheim D, Weber M, Farr S. Prenatal diagnosis of congenital upper limb differences: a current concept review. *J Matern Fetal Neonatal Med.* 2017 Nov;30(21):2557-2563.
- Alrabai HM**, Gesheff MG, Conway JD. Use of internal lengthening nails in post-traumatic sequelae. *Int Orthop.* 2017 Sep;41(9):1915-1923.
- Algarni AD, Abdelfattah F, Al-Ahaideb A, **Alrabai HM**, Kachanathu SJ, Al-Khawashki H, Kremli M. Double-Level Pelvic Osteotomy for Managing Persistent Acetabular Dysplasia. *Orthopedics.* 2016 Jul 1;39(4):e806-9.
- Alrabai HM**, Alrashidi Y, Valderrabano V, Delmi M. Morton's Neuroma in Sports. In Book: *Foot and Ankle Sports Orthopaedics.* Springer. 2016; 391-395.
- Alrabai HM**, Farr S, Girsch W. Triphalangeal Thumb Reduction Osteotomy Through a Versatile Spiral Approach. *Tech Hand Up Extrem Surg.* 2016 Jun;20(2):54-60.



Personal Info

Date of Birth
16 Mar 1982
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Orthopedic Conditions

- Limb length discrepancy
- Short stature
- Angular limb deformity
- Limb malrotation
- Limb hemimelia
- Congenital pseudoarthrosis
- Bone defects
- Osteogenesis imperfecta



Key Operations

- Iizarov method
- Taylor Spatial Frame
- Guided growth
- PRECICE lengthening nail
- Masquelet technique
- Bone transport
- Corrective osteotomies



Personal References

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