



Sharifah Roohi Syed Waseem Ahmad

Professor and Consultant Orthopaedic Surgeon,
Department of Orthopaedics,
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MALAYSIA

PRESENT APPOINTMENT & DUTIES

1. **Professor in Department of Orthopaedics**, (teaching medical students, dental students, student nurses, medical assistants and postgraduate students: Orthopaedic Residents)
2. **Orthopaedic Specialist** (supervising the day to day running of the clinics, O.T and wards)
3. **Hand & Microsurgeon** (the clinic, ward and operating theatre equipment, the research aspects, a microsurgical laboratory as well as the rehabilitation and physiotherapy aspects).
4. **EXAMINER:** Final Professional Examination of Medical Graduates (M.D. UKM), 16th October 2000, 1999/2000, 2000/2001 and 2003/2004 session, HUKM.
5. **Supervisor**, Masters candidates for Orthopaedic Surgery (UPM, UKM).
6. **Examiner:** Masters Part I Exam for Orthopaedic Surgery, UKM November 2003-2006.
7. **Examiner: Conjoint Board of Orthopaedics**, 2015-present.
8. **Member of the National Orthopaedic Curriculum Committee (NOCC).**
9. **Visiting Professor (sessional)**, Monash University, Sunway campus.
10. **Reviewer, Editorial Board, MJM** (Ortho Supplement) 2005 – May 2007.
11. **Reviewer, Editorial Board MOJ** (Malaysian Orthopaedic Journal) May 2007 till present.
12. **Reviewer, Editorial Board MJMHS** (Malaysian Journal of Medicine & Health Sciences) 2010 till present.
13. **Reviewer, Editorial Board Hand Surgery (Asia Pacific)** June 2011 till present.
14. **Reviewer, Editorial Board, MJM** - June 2011.
15. **Reviewer, Asia Pacific Family Medicine Journal** - October 2011.
16. **President, Malaysian Society for Surgery of the Hand** (since January 2009-January 2015).
17. **Head of subdivision of Hand Surgery in Malaysian Orthopaedic Association (2009-2015).**
18. **Representative in National Specialist Register (NSR):**2011-2013.
19. **Member of Malaysian Medical Council (MMC), April 2015 to March 2018.**

SIGNIFICANT ACHIEVEMENTS

1. **Top student** Masters of Surgery Part I examinations in November 1996 (UKM).
2. **Top student** FRCS (Ed) Part II Examinations, held in KL in October 1998. (International Exam)
3. In the first top 3 students of Final Masters in Orthopaedic Surgery Examinations (UKM), May 2000.
4. **Top Student** Award, Diploma in Bahasa Malaysia (Advanced Level) by UMCCEd Sept 2004.
5. Establishment of Hand Unit in Department of Orthopaedics, Hospital UKM. This includes:
 - i. Initiating the conception and development of the Hand Unit from “Ground 0”
 - ii. equipping the operating theatre, wards and clinics
 - iii. Staff training and recruiting
 - iv. Establishing Research facilities
 - v. Setting up the microsurgical Laboratory.
 - vi. Running courses in Basic surgical skills as well as microsurgical skills.
6. Head of Hand Unit, Department of Orthopaedics & Traumatology, Hospital UKM since 2nd June 2003 till November 25th 2006.
7. **Top student** in the Federation of European Societies for Surgery of the Hand (FESSH) – Hand Examination in Lausanne, June 2008. (International Exam)

AWARDS

1. Valued Service Award (2A Campaign) Bentong District 21st October 1992.
2. Excellent Service Award for the year 1994 (Bentong District Health Department).
3. Top student FRCS (Ed) Part II Examinations, held in KL in October 1998.
4. Top 3 students of Final Masters in Orthopaedic Surgery Examinations (UKM), May 2000.
5. Letter of Appreciation from Convenor of Basic Surgical Skills Course, Royal College of Surgeons, Edinburgh April 2001.
6. Certificate of Recognition for teaching from Royal College of Surgeons, Edinburgh, Scotland March 22nd 2002.
7. Certificate of Merit from MMA for MMC-CME Grading system (1.9.2003-31.8.2004).
8. Top Student Award, Diploma in Bahasa Malaysia (Advanced Level) by UMCCEd Sept 2004.
9. Excellent Service Award 2007 from UPM.
10. Top student in the Federation of European Societies for Surgery of the Hand (FESSH) – Hand Examination in Lausanne, June 2008.
11. Anak Sarawak Award, November 2010.
12. Conferred Professor of Orthopaedics on 1st August 2013.

FELLOWSHIPS

1. Fellow of the Royal College of Surgeons, Edinburgh (General Surgery).
2. Fellow of the Dept of Hand & Reconstructive Microsurgery, NUH, Singapore.
3. Fellow of Christine M Kleinert Institute of Hand Surgery, Louisville, KY, USA.
4. 22nd Junior ASEAN Orthopaedic Travelling Fellowship, AOA, 12/09-17/10/2004.

PUBLICATIONS

JOURNALS: Authors / Title / Journal / year / Vol: pp

1. Lokman Hakim S, **Sharifah Roohi SW**, Zurkurnain Y, Noor Rain A, Mansor SM, Palmer K, Navaratnam V, Mak JW. **Plasmodium falciparum**: increased proportion of severe resistance (RII and RIII) to chloroquine and high rate of resistance to sulfadoxine-pyrimethamine in Peninsular Malaysia after two decades. *Trans R Soc Trop Med Hyg* (England), May-Jun 1996, **90** (3) p294-7. (ISI-Indexed – IF 2.16)
2. M Razak, Kamari ZH, **S Roohi**. **Spinal Infection**- An Overview and the Results of Treatment. *The Medical Journal of Malaysia (Orthopaedic Supplement)* September 2000, Volume 55 Supplement C p18-28. (SCOPUS-Indexed Publication - IF – 0.043)
3. KL Cheong, **S Roohi**, Razman Jarmin, Ismail Sagap, SHY Tong, A Qureshi. The Yield for **Colorectal Cancer** & Adenoma by Indication at Colonoscopy. *Medical Journal of Malaysia* December 2000, Volume 55(4):464-6. (SCOPUS-Indexed Publication - IF – 0.043)
4. **Roohi SA**, Acuna LV, Wang EJW, Nasution N, Suttinark P. 22nd **Junior ASEAN Travelling** Fellowship Report. *In of the ASEAN Orthop Assocn* Vol 17, No 1, July 2005 pp 106 – 120.
5. **Roohi SA**, Naicker AS, Shukur MH, Mohd AR. **Spinal Injuries** in a Level One Trauma Centre: A Demographic Study. *Medical Journal of Malaysia* **Vol 61 (Suppl A)**: 30-35. Feb 2006. (SCOPUS-Indexed Publication - IF – 0.043)
6. Naicker AS, **Roohi SA**, **Lee CS**, **Chan WH**, **Tay LS**, **Din XJ**, and **Eow LH**. **Alteration of Foot Temperature** in Diabetic Neuropathy: Is it another piece of the puzzle? *Medical Journal of Malaysia* **Vol 61(Suppl A)** 10-13: Feb 2006. (SCOPUS-Indexed Publication - IF – 0.043)
7. **SA Roohi**, L Choon-Sian, A Shalimar, GH Tan, AS Naicker. A Study on the Absence of **Palmaris Longus** in a Multi-racial Population. *Malaysian Orthopaedic Journal* **Volume 1 (1)**: 26-28: May 2007.
8. A Shalimar, S Jamari, AR Abdul Halim, **SA Roohi**, AS Naicker, I Sharaf. A 2-Year Demographic Study of Domestic **Paediatric Hand Injuries** Requiring Surgical Intervention in an Urban Hospital. *Malaysian Orthopaedic Journal* **Volume 1 (1)**: 34-38: May 2007.
9. AS Naicker, **SA Roohi**, MS Naicker, O Zaleha. **Bowel Dysfunction** in Spinal Cord Injury. *Medical Journal of Malaysia* June 2008, Volume 63(2):104-8. (SCOPUS-Indexed Publication - IF – 0.043)

10. **SA Roohi**, O Zanariah, AS Naicker. Preliminary results of a new technique in the management of **Fingertip Injuries**. *Journal of Hand Surgery European* **Volume 33** (S1): 164: June 2008. (*ISI Indexed – IF 1.171*)
11. AS Naicker, **SA Roohi**, JLL Chan: **Botulinum toxin type A** for rehabilitation after Spinal cord Injury: a case report. *J Orthop Surg* (*SCOPUS-Indexed Publication*) April 2009:17 (1):96-9.
12. AS Naicker¹, Ohnmar¹, SKChoon², KLC Yee², MS Naicker³, S Das⁴, **SA Roohi**⁵. A Study of Risk Factors Associated with **Diabetic Foot, Knowledge and Practice** of Foot Care among Diabetic Patients. *International medical journal* Sept 2009 **Volume 16 (3)**: 189-193. (*ISI-Indexed – IF 0.2*)
13. **Roohi SA**, Tsai, TM. Cubital Tunnel Syndrome: **Endoscopic Cubital Tunnel Release**. Chapter 5, *Hand Surgery 2010 IFSSH*. Goo Hyun Baek (Ed). Oct 2010. *Book Chapter*
14. **Roohi SA**, Naicker AS, Zanariah O. Adjunct **Use of Botulinum Toxin A in the Management of Distal Radius Fractures**. Chapter 14, *Hand Surgery 2010 IFSSH*. Goo Hyun Baek (Ed). Oct 2010. *Book Chapter*
15. **Roohi SA**. **Chronic Tuberculous Infections of the Hand and Wrist**. Chapter 14:305-312. *Hand Surgery Worldwide: International Reconstruction of A Beautiful and Ready Instrument of the Mind*. Ed James R Urbaniak. Saunders Ltd. USA 2010. *Book Chapter*
16. N Rahimawati, **Roohi SA**. AS Naicker, O Zanariah. **Giant Cell Tumour of Tendon Sheath** Masquerading As Trigger Finger. *Malaysian Orthopaedic Journal* Nov 2010 **Vol 4** (3): 37-40.
17. H. Ohnmar¹, **S.A. Roohi**², A.S. Naicker¹. **Massive heterotopic ossification in Guillain-Barré Syndrome: A rare case report**. *Clin Ter Nov / Dec* 2010;**161** (6): 529-32. (*Indexed in MEDLINE, Index Medicus*)
18. **Roohi SA**, Samsudin OC, Shukur MH, Ibrahim S. **Metastatic Adenocarcinoma of the Hand** Presenting as Carpal Tunnel Syndrome: A Report of An Unusual Case. *Malaysian Orthopaedic Journal* 2011. **Vol 5** (1): 15-19.
19. Nur Hidayah Hassan, Ahmad Fadzli Sulong, Min-Hwei Ng, Ohnmar Htwe, Ruszymah B. H. Idrus, **Sharifah Roohi**, Amaramalar S. Naicker, Shalimar Abdullah. Neural-Differentiated **Mesenchymal Stem Cells Incorporated into Muscle Stuffed Vein Scaffold** Forms a Stable Living Nerve Conduit. *J of Orthop Research* 30(10): 1674-1681.doi:10.1002/jor.22102.12 October 2012. (*ISI Indexed – IF 2.9*) DOI: 10.1002/jor.22102
20. M.N.Rahman Y. Shahrman A.B. , SK Za'aba, **S.A. Roohi**, Khairunizam WAN, A.H. Ismail. Hemodynamic Study On Upper Extremity: Simulation On Straight **Reverse Saphenous Vein Graft**. International conference on Biomedical Engineering (ICoBE), 27-28 February 2012, Penang © IEEE 2012. **Print ISBN:** 978-1-4577-1990-5 **Digital Object Identifier :** DOI: 10.1109/ICoBE.2012.6179006 **INSPEC Accession Number:** 12654979
21. Muhd Nur Rahman Yahya^a, Shahrman Abu Bakar^a, SK Zaaba^a, Sharifah **Roohi Syed Waseem Ahmad**^b, Wan Khairunizam Wan Ahmad^a, M Nasir Ayob^a, A.H. Ismail^a. Computational Analysis on Upper Extremity Vein Graft: **Simulation on Kinked Vein Graft**. International

Symposium on Robotics and Intelligent Sensors (IRIS). *Procedia Engineering* 41 (2012): 694-699. (ISI Indexed – IF 0.326)

22. M.N.Rahman Y.^{a,*}Shahriman A.B, SK Za'aba , **S.A. Roohi**, Khairunizam WAN, M Nasir Ayob and A.H. Ismail. Computational Fluid Dynamic Analysis Of The Effect Of **Kink Conduit In Microvascular Vein Grafting**. *International journal of Mechanical & Mechatronics Engineering IJMME-IJENS* Vol 12 (6): 53-59. 2012. (ISI Indexed – IF 0.98)
23. M. N. Rahman Y, Shahriman A.B., SK Za'aba, SA Roohi, Khairunizam WAN, A.H. Ismail. Computational Fluid Dynamic Analysis On Microvascular Vein Grafting: Effect of **Mismatched Conduit Diameters**. IEEE EMBS International Conference on Biomedical Engineering and Sciences IECBES: 556-561. Langkawi, 17-19 December 2012. DOI:10.1109/IECBES.2012.6498087
24. M. N. Rahman Y.^{a,*}, Shahriman A.B.^{a,**}, SK Za'aba^a SA Roohi^b, Khairunizam WAN^a. **Theoretical Approach on Vein Graft Survival**: simulation on vein graft. *International Journal of Medical Engineering and Informatics* Vol 5(4): 279-288. (DOI: 10.1504/IJMEI.2013.057180) January 2013. (SJR Indexed – IF 0.155) **Print ISSN: 1755-0653 Online ISSN: 1755-0661**
25. Khay-Yong Saw, Adam Anz, Caroline Siew-Yoke Jee, Shahrin Merican, Reza Ching-Soong Ng, M.D., Roohi Sharifah Ahmad, Kunasegaran Ragavanaidu. **Articular Cartilage Regeneration with Autologous Peripheral Blood Stem Cells and Hyaluronic Acid: A Randomized Controlled Trial**. *Journal of Arthroscopy accepted, Feb 4, 2013* (doi:pII: S0749-8063(12)01899-3. Printed DOI: 10.1016/j.arthro.2012.12.008). 2013 (ISI Indexed – IF 3.08)
26. Tan Chen-Wee, Ng Min-Hwei¹, Htwe Ohnmar², Lokanathan Yogeswaran¹, Hassan Nur-Hidayah³, SA Roohi⁴, BHI Ruszymah^{1,5}, Mohamed-Hafiah Nor-Hazla², Abdullah Shalimar², AS Naicker². Sciatic nerve repair with tissue engineered nerve: **Olfactory ensheathing cells seeded poly (lactic-co-glycolic acid) conduit in an animal model**. *Indian Journal of Orthopaedics Online*. Accepted 10th April 2013. (Scopus and ISI Indexed – IF 0.503)
- CW Tan, MH Ng¹, H Ohnmar², Y Lokanathan¹, H Nur-Hidayah³, **SA Roohi**⁴, BHI Ruszymah^{1,5}, MH Nor-Hazla², A Shalimar², AS Naicker². Sciatic nerve repair with tissue engineered nerve: Olfactory ensheathing cells seeded poly (lactic-co-glycolic acid) conduit in an animal model. *Indian Journal of Orthopaedics* November 2013 Vol. 47 Issue 6:548-552. (Scopus Indexed – IF 0.747 in 2012). DOI: 10.4103/0019-5413.121572
27. Yogeswaran Lokanathan,¹ Min-Hwei Ng,¹ Shariful Hasan,² Anuar Ali,¹ Mazzre Mahmud,¹ Ohnmar Htwe,³ Sharifah Roohi Ahmad,⁴ Ruszymah Bt Hj Idrus,^{1,5} Shalimar Abdullah,³ and Amaramalar Selvi Naicker,^{3*} **Olfactory ensheathing cells seeded muscle-stuffed vein as nerve conduit for peripheral nerve repair**: A nerve conduction study *Journal of Bioscience and Bioengineering* Vol. xx No. xx, 1e4,. Accepted 3rd February 2014. (Scopus and ISI Indexed – IF 1.737) DOI: 10.1016/j.jbiosc.2014.02.002

28. H.L. Lee, Shahriman A.B., S. Yaacob, Zuradzman M.R., Khairunizam W.A.N., Zunaidi I.B., E.M. Cheng, S.K. Zaaba, Shafriza N.B., Mohd Afendi and S.A. Roohi., In Vitro Evaluation of **Finger's Hemodynamics For Vein Graft Surveillance** Using Electrical Bio-Impedance Method. *Aust. J. Basic & Appl. Sci.*, 8(4): 350-359, 2014.
29. H.L. Lee^{1,a*}, A.B. Shahriman^{1,b}, ZA,ABA Siti Khadijah¹, WAN Khairunizam¹, S.A. Roohi² and M.R. Zuradzman¹. **Upper Extremity Vein Graft Monitoring Device** After Surgery Procedure: A Preliminary Study. *Advanced Materials Research* Vol. 925 (2014) pp 656-660. 2014. DOI: [10.4028/www.scientific.net/AMR.925.656](https://doi.org/10.4028/www.scientific.net/AMR.925.656)
30. Roohi SA Leclercq C. **Acute Ligamentous Instability of the Finger and Thumb Joints**. Chapter 14:305-312. Disorders of the Hand and Wrist. Ed Ian Trail and Andrew Fleming. Springer Verlag UK. 2015. **Book Chapter** DOI: [10.1007/978-1-4471-6554-5_15](https://doi.org/10.1007/978-1-4471-6554-5_15)
31. Ahmad SR. **Use of Regenerative Agents in Hand Surgery**. *BMC Proceedings* 2015 9(Suppl 3):A103.
32. Ahmad SR. **Sugarcane Extraction machine injuries of the hand**. *BMC Proceedings* 2015 9(Suppl 3):A104.
33. Maryam Hadizadeh, [Saidon Bin Amri](#), [Hamidreza Mohafez](#), [Sharifah Roohi Ahmad](#) & [Abdul Halim Bin Mokhtar](#). **Gait analysis of national athletes after anterior cruciate ligament reconstruction** following three stages of rehabilitation program: Symmetrical perspective. *Gait & Posture* 2016 Jul 48:152-8. doi: 10.1016/j.gaitpost.2016.05.002. Epub 2016 May 16. (*ISI Indexed – IF 2.752*)
34. Maryam Hadizadeh, [Saidon Bin Amri](#), [Hamidreza Mohafez](#), [Sharifah Roohi Ahmad](#) & [Abdul Halim Bin Mokhtar](#). **Assessment of gait symmetrical improvements** in national athletes after anterior cruciate ligament reconstruction during rehabilitation. *International Journal of Sports Medicine*. 2016 Nov;37(12):997-1002. DOI: [10.1055/s-042-109541](https://doi.org/10.1055/s-042-109541) Epub 2016 Aug 23 (*ISI Indexed – IF 2.065*)
35. Roohi S.A., Shalimar Abdullah. **Report of the 10th Asia-Pacific Federation of Societies** for Surgery of the Hand Congress (Organising Chair & Scientific Chair). *Journal of Hand Surgery (AP)* accepted for publication 27th July 2016. (*Scopus Indexed – IF 0.52*)
36. Hamidreza Mohafez, Siti Anom Ahmad, Sharifah Ahmad Roohi and Maryam Hadizadeh. **Wound Healing Assessment Using Digital Photography: A Review**. *Journal of Biomedical Engineering and Medical Imaging* Volume 3 Issue 5: 1-13. October 2016.
37. Tamara Gien Pooke, Rozi Mahmud, Poh Sin Yap, Suraini binti Mohamad Saini, Sharifah Roohi Syed Waseem Ahmad, Harwant Singh. **The effectiveness of seated combined extension-compression and transverse load traction in increasing cervical lordosis-** challenging the underlying framework. *International e-Journal of Science Medicine & Education* Volume 10 (3): 24-33. December 2016.

38. Collin L, **Roohi SA**. **A case of ulna fracture non-union managed with tibial strut cortico-cancellous bone grafting** in a paediatric patient. *Journal of Hand Surgery (AP)*. (*Scopus Indexed – IF 0.52*)
39. **Roohi S.A.** & Zanariah O. Commemorative **Book** of 50th Anniversary of the MOA – **History of the UPM Orthopaedic Masters Programme**. *Book Chapter*.
40. **Roohi S.A.** **Peripheral Nerve Examination** – Upper Limb for A Student Guide Book: “Physical Examination of the Spine and Extremities, a Primer for Malaysian Medical Students”. *Book Chapter*.
41. Roohi S.A. Collin SK Looi, Ashraf Hakim. **Bilateral First Rib Fractures** (and Associated lower cervical spine fractures). *MOJ Orthopaedics Rheumatology*.

RESEARCH GRANTS

- Malaysian Orthopaedic Association Research Fund RM 10 000.00 (June 2005-June 2006)
- IRPA Grant – RM 247 000.00 awarded **as a PI** in Nov 2006 while in HUKM.
- Fundamental Research Grant Scheme – RM 87 000.00 awarded **as a PI** in 2007 from Ministry of Higher Education (Kementrian Penggajian Tinggi).
- Research University Grant Scheme (RUGS) – RM 189,000 awarded **as a PI** for the anatomical study of the Distal Radius in various races in Malaysia and comparison to the Caucasian morphometry.
- Ministry of Science and Technology (MOSTI) grant of RM 470,000 awarded in June 2015 **as a PI** for the study of stem cell application to Non-union of Goat Tibiae.

POSITIONS HELD IN PROFESSIONAL BODIES

1. Malaysian Medical Association: Member (1987-present)
2. Malaysian Orthopaedic Association: Member (1998-present), Life member.
3. Royal College of Surgeons, Edinburgh – Fellow (1998 – present)
4. Malaysian Society for Surgery of the Hand: Member (2000- present), Vice President 2006-2009. President (2010-2015).
5. International Member of the Association of American Orthopaedic Surgeons (2001-present)
6. Candidate Member of the American Society for Surgery of the Hand (2002-present)
7. International member, Kleinert Society of Hand Surgery (2002-present).
8. Asia-Pacific Orthopaedic Association – member since 2004
9. International member of International Bone Research Association (2014-present).