



## **Dr. Saw Aik**

Professor  
Department of Orthopaedic Surgery,  
University Malaya Medical Centre,  
Kuala Lumpur 59100, Malaysia  
Date of Birth: 2 July 1962

### **Professional Qualifications:**

MBBS (Malaysia), M Med Surg (Singapore), FRCS (Edin)

### **Academic Posts:**

<b>No</b>	<b>Position</b>	<b>Date Started</b>
1	Medical Officer	01/09/1992
2	Lecturer	02/09/1997
3	Associate Professor	15/02/2003
4	Professor	01/01/2008

### **Subspecialty:**

- Paediatric Orthopaedic Surgery
- Limb Lengthening and Reconstruction Surgery
- Trauma

### **Training:**

- Rush-Presbyterian-St.Luke Hospital, Chicago, United States 2000
- Shriners Hospital for Children, Chicago, United States 2000
- St Vincent Hospital, Melbourne, Australia 2003
- Russian Ilizarov Scientific Center for Restorative Traumatology and Orthopaedics.

## Professional Organization

- Visiting professor, Australian Orthopaedic Association (AOA) (2016)
- President, Asia Pacific Paediatric Orthopaedic Society (APPOS) (2015-present)
- Chief coordinator, Asia Pacific Paediatric Orthopaedic Society (APPOS) Travelling Fellowship (2005 – present)
- Council member of Asia Pacific Orthopaedic Association (APOA) (2005 – present)
- Secretary, Paediatric Section of Asia Pacific Orthopaedic Association (APOA) (2008 -2015)
- Council member of ASEAN Orthopaedic Association (AOA) (2005 – present)
- Editorial secretary, ASEAN Orthopaedic Association (AOA) (2010 – present)
- Member of education committee, ASEAN Orthopaedic Association (AOA) (2015 – present)
- Secretary general, Asia Pacific Association of Medical Editors (APAME) (2016– 2018)
- Temporary advisor, WPRIM selection committee, World Health Organization 2015
- Temporary advisor, WPRIM selection committee, World Health Organization 2016
- Member, Asia Pacific Association of Medical Editors (APAME) (2011 – present)
- President, Association of Malaysian Medical Journal Editors (AMMJE) (2012 - 2015, 2016 - 2018)
- Chief editor of Malaysian Orthopaedic Journal (MOJ) (2017 – present)
- International editorial board member, Journal of Children Orthopaedics (JCO) (2014 – present)
- Editorial board member, Chinese Journal of Traumatology (CJT) (2015 – present)
- Editorial board member, Asia Journal of Surgery (2013)
- Editor, Journal of University Malaya Medical Centre (JUMMEC) (2005 – present)
- Editor, Orthopaedic Supplement, Medical Journal of Malaysia (MJM) (1998 to 2006)
- President, Malaysian Orthopaedic Association (MOA) (2014-2015)
- Council member, Malaysia Orthopaedic Association (MOA) (2000 – 2015)
- Member of AOTrauma (International) (AOTrauma) Pediatric Education Taskforce (2014 – present)
- National representative of AOTrauma Asia Pacific (AOTAP) (2010 – 2014)
- Regional research board member AOTrauma Asia Pacific (AOTAP) (2012 – present)
- Member of fellowship committee, AOTrauma Asia Pacific (AOTAP) (2000 – 2002)
- Member of University Senate, University of Malaya (2016)
- Member Conjoint Board of Orthopaedics, Malaysia (2010 – present)
- Trustee of Yayasan Ortopedik (2012 – present)
- Panel member, Malaysian Qualification Agency (2015 – present)

### **(A) Chapter or Part of Academic Books / Text Books / Encyclopaedia**

1. Saw Aik. Limb Lengthening and Reconstruction Surgery with External Fixator : Information Booklet for Patients and Family, First edition 2003
2. Saw Aik, Azura Mansor, Chua Yeok Pin. Limb Lengthening and Reconstruction Surgery with External Fixator : Information Booklet for Patients and Family, 2<sup>nd</sup> Edition 2007
3. Saw Aik. Common Bone and Joint Problems in Children, WS Lee, MK Thong, CP Wong (eds) "Handbook of Hospital Paediatrics.(2<sup>nd</sup> edition)
4. Saw Aik, Chua Yeok Pin, Azura Mansor, Lee Poh Chen. Patient Handbook on Limb Lengthening and Reconstruction with External Fixator. 2<sup>nd</sup> Edition 2008.
5. Saw Aik, (2009) Orthopaedic Surgery, In MK Thong, CP Wong, WS Lee(Ed), *Handbook of Hospital Paediatrics*, 2<sup>nd</sup> Ed. Pp 534-554. Malaysia: UNIPRESS Publishing.

### **(B) Articles Published**

#### **(1) Refereed Academic / Peer reviewed Journals**

1. Saw Aik, S. Sengupta, "Limb deformity correction with external fixators", Med J Malaysia. 2000; Ortho Suppl 55C:86-92
2. Chai K. K. Saw Aik, S Sengupta "Supracondylar fractures of humerus in children-An epidemiological study of 131 consecutive cases", Med J Malaysia. 2000; Ortho Suppl 55C:39-43
3. Yong S. M., Yoga R, Saw Aik, "X-linked hypophosphatemic rickets-A report of 2 cases", Med J Malaysia. 2000; Ortho Suppl 55C:101-104
4. Saw Aik, Mackie Peter S. Choong Peter F. M. "Adamantinoma and meningioma occurring synchronously in a patient with breast cancer: A case report", Clin Orthop Relat Res. 2001; 392:400-403
5. Ng E S, Saw Aik, Nazarina, S Sengupta, "Giant cell tumor of bone- review of 33 cases treated in Universiti Malaya Medical Center", J Orthop Surg. 2002; 10(2):120-8
6. P.Moorthy, A. Amalourde, R.Penafort, Saw Aik, S.Sengupta, "A rare case of Li Fraumeni cancer family syndrome", Med J Malaysia. 2002; Ortho Suppl: 68-71
7. Saw Aik, Lau C.P., "Supracondylar nailing for difficult distal femur fractures", J Orthop Surg. 2003; 11(2):141-7
8. Saw Aik , Smith Peter A, Sirirunguangsarn Yuddhasert, Chen Shande, Hassani Sahar, Harris Gerald, Kuo Ken N. "Rectus femoris transfer for children with cerebral palsy: Long-term outcome", J Pediatr Orthop. 2003; 23(5):672-8
9. Saw Aik, M. K. Kwan, S. Sengupta, "Life threatening complication of acupuncture: A case report", Singapore Med J. 2004; 45(4):181-3

10. A Foad, Robert Penafort, Saw Aik, S Sengupta. "Comparison of two methods of percutaneous pin fixation for supracondylar fracture of humerus in children", *J Orthop Surg*. 2005; 11(1):76-82
11. M. K. Kwan, Saw Aik, Tunku Sarah. "Automatic top loader washing machine related injury. A report of four cases with serious injury", *Med J Malaysia*. 2005; 60(1):112-4
12. I. Sharaf, Saw Aik, Y. Hyzan, K. S. Sivananthan. "The Malaysian Orthopaedic Association humanitarian mission to Indonesia and Sri Lanka", *Med J Malaysia*. 2005; Ortho Suppl 60C:3-7
13. Saw Aik. "Extracorporeal shock wave therapy for musculoskeletal pathology: A literature review", *Med J Malaysia*, 2005; Ortho Suppl 60C:8-10
14. M.K. Kwan, E.S. NG, R. Penafort, Saw Aik, S. Sengupta. "Resection arthrodesis for primary bone tumour about the knee", *Med J Malaysia*, 2005; Ortho Suppl 60C:66-71
15. YP Chua, MK Kwan, Saw Aik. "Operative treatment of trochanteric fractures with dynamic hip screw- is perioperative blood transfusion needed?", *Med J Malaysia*. 2005; Ortho Suppl 60C:78-82
16. M K Kwan, A Saw, E K Chee, C S Lee, C H Lim, N A Zulkifle, N H Soorey, Mohammad Hussien. "Necrotizing fasciitis of the lower limb: an outcome study of surgical treatment", *Med J Malaysia*. 2006; Ortho Suppl 61A:17-20
17. A Saw, C K Chan, R Penafort, S Sengupta. "A simple practical protocol for care of metal-skin interface of external fixation", *Med J Malaysia*. 2006; Ortho Suppl 61A:62-65
18. WJ Tan, MK Kwan, AS Deepak, A Saw, BC Peng, WM Jalaluddin. "Size of interlocking nails used in the treatment of diaphyseal dysplasia femoral fractures", *Med Journal Malaysia*. 2006; Ortho Suppl 61B:18-22
19. SM Yong, A Saw, S Sengupta, AM Bulgiba. "Bone overgrowth after fracture of the femoral shaft in children", *Malays Ortho J*. 2007; 1(1):8-11
20. H Shamsul, A Saw, G John. "Anterior displacement of ulnar nerve at the elbow in children based on ultrasonography", *Malays Ortho J*. 2007; 1(1):29-33
21. A Saw, S Manimaran, M K Kwan. "Factors that influence the healing index of bone lengthening procedure", *Med J Malaysia*. 2008; 63(2):32-8
22. A Sallehuddin, A Saw, J George, S Sengupta, "Ultrasound-guided percutaneous trucut needle biopsy for musculo-skeletal tumours", *Malays Ortho J*. 2008; 2(1):12-6
23. Su-Mei Yong, A Saw, A M Bulgiba. "Bone overgrowth after fracture in the femoral shaft in children", *J Jpn Ped Orthop Ass*. 2008; 17(2):406-410
24. A Saw, CK Chan, MK Kwan, R Karina, "Diluted povidone-iodine versus saline for dressing metal-skin interfaces in external fixation", *J Orthop Surg*. 2009; 7(1):19-22
25. A Saw, LM Looi. "Editorial: Issues related to authorship", *Malays Ortho J*. 2009; 3(1):1-3
26. A Saw, S Ibrahim. "Editorial: Problems in publishing clinical studies on paediatric orthopaedics in south-east asian region", *Malays Ortho J*. 2010; 4(1):1-3

27. MG Hossain, S Islam, A Saw, T Kamarul, PE Lestrel. "Age at menarche of university students in Bangladesh: Secular trends and association with adult anthropometric measures and socio-demographic factors", *J Biosoc Sci.* 2010; 42:677-87
28. Saw A, Sallehuddin A Y, Chuah E C, Ismail M S, Yoga R, Hossain M G. "Comparison of fracture patterns between rural and urban populations in a developing country", *Singapore Med J.* 2010; 51(9):702-7
29. A Saw, N Fadzilah, M Nawar, YP Chua. "Pattern of childhood fractures in a developing country", *Malays Ortho J.* 2011; 5(1):13-6
30. Asim AM, A Saw, M Nawar. "Treatment of developmental dysplasia of the hip: Short and mid-term outcome", *Malays Ortho J.* 2011; 5(1):17-20
31. Md. Golam Hossain, A Saw, F Ohtsuki, P E Lestrel, T Kamarul. "Change in facial shape in two cohorts of Japanese adult female students twenty one years", *Singapore Med J.* 2011; 5(1):17-20
32. C. K. Lee, Y. P. Chua, A. Saw. "Antimicrobial gauze as dressing reduces pin site infection: A randomized controlled trial", *Clin Orthop Relat Res.* 2012; 470(2):610-615
33. A. Saw, M.G. Hossain, P. Bharati, et al. "Body mass index of married Bangladeshi women: Trends and association with socio-demographic factors", *J. Biosoc Sci.* 2012; 44(4): 385-99
34. Saw Aik Chua, Y.P., Hossain, M.G., Sengupta, S. "Pin Site infection for limb lengthening and reconstruction surgery based on monthly observations-A pilot study", *J Orthop Surg.* 2012; 20(2):181-4
35. Md. Golam Hossain, A Saw, Rashidul Alam, F Ohtsuki, T Kamarul. "Multiple regression analysis of anthropometric measures influencing cephalic index of Japanese university male students", *Singapore Med J.* 2013; 54(9):516-20
36. Chua YP, Saw Aik, "Prevalence of non-traumatic foot pain among urban young working women and its contributing factor", *Singapore Med J.* 2013; 54(11):630-3
37. Marjan Mansourvar, Maizatul Akmar Ismail, Ram Gopal Raj, Sameem Abdul Kareem, Saw Aik, Roshan Gunalan, Chermaine Deepa Antony. "The applicability of Greulich and Pyle atlas to assess skeletal age for four ethnic groups", *J Forensic Leg Med.* 2014; 22:26-9
38. Sheikh Moin Uddin, Md. Golam Hossain, Md. Ashrafur Islam, Md. Nurul Islam, Saw Aik & T. Kamarul. "High-risk behaviour of HIV/AIDS among females sex workers in Bangladesh: Survey in Rajshahi City", *Jpn J of Infect Dis.* 2014; 191-196
39. Md Golam H, Md Saimul I, Kazi Enamul H, Md Ashrafur I, Mamun ASMA, Kamruzzaman M & Saw A. "Prevalence of underweight and effect of nutritional status on academic performance of primary school children in Chapainawabganj District, Bangladesh", *Malays J Nutr.* 2014; 20(1):71-81
40. B B Tan, R Shanmugam, YP Chua, Hossain, A Saw. "A Biomechanical comparison between Taylor's spatial frame and Ilizarov external fixator", *Malays Ortho J.* 2014; 8(2):35 – 39
41. A Saw, KH Ng. "Open access publishing in medicine", *Malays Ortho J.* 2014; 8(1):1-3

42. Rashidul Alam, Mahumud, Md Golam Hossain, Abdur Razzaque Sarkar, Md Nurul Islam, Md Ripter Hossain, Saw Aik, Jahangir AM Khan. "Prevalence and associated factors of contraceptive discontinuation and switching among Bangladeshi married women of reproductive age", Open Access Journal of Contraception. 2015; 6:13-19
43. Luvan M, Kanthan SR, Roshan G, Saw A. 2015. "Pattern of cortical fracture following corticotomy for distraction osteogenesis", Malays Ortho J. 2015; 9(3):35-39
44. Md. Kamruzzaman, Md. Golam Rabbani, Aik Saw, Md. Abu Sayem and Md. Golam Hossain. "Differentials in the prevalence of anemia among non-pregnant, ever- married women in Bangladesh: Multilevel logistic regression analysis of data from the 2011 Bangladesh Demographic and Health Survey", BMC Womens Health. 2015; 15:54
45. Aik Saw, Rukmanikanthan Shanmugam. "Cubitus varus deformity due to multiple hereditary exostoses treated with ulnar lengthening and closed radio-capitulum reduction", Limb Lengthening and Reconstruction Surgery Case Atlas. 2015; 1-8
46. Ashraful Islam, Nurul Islam, Premananda Bharati, Saw Aik and Golam Hossain. "Socio-economic and demographic factors influencing nutritional status among early childbearing young mothers in Bangladesh", BMC Womens Health. 2016; 16:58

## **(2) Other publications**

1. Saw Aik. "Orthopaedic Surgery in Malaysia" Souvenir program and abstract book: 35<sup>th</sup> Annual General Meeting for Malaysian Orthopaedic Association. 2005 May: Pg 5 to 7
2. Saw Aik. "Orthopaedic in Malaysia: A Historical Perspective". 25 years of Unity and Diversity, The Asean Orthopaedic Association. ISBN 971-93417-O-X. 25-8

## **(C) Intellectual property rights**

1. Mobile connecting device for suspended items, Patent, PI20042662, 2003
2. A portable bone fracture reduction device, Patent, PI20052061, 2005
3. Lower limb holder for hip spica application, Patent, PI20071513, 2006
4. Hip spica cast supporting frame, Patent, PI20071513, 2007
5. Continuous passive motion machine (CPM) for patients with external fixator of the lower limb, Patent, PI20090141, 2009
6. An apparatus for triceps surae (calf muscle) passive stretching exercise, Patent, PI20090142, 2009
7. An Improved bone holding device for limb support frame, Patent, PI20092413, 2009
8. Portable device for supporting and immobilizing lower limb, Patent, PI20092414, 2009
9. Guided double barrel drill sleeve for osteotomy, Patent, PI2014703435, 2014

**(D) Evaluation Activities**

<b>Role</b>	<b>Peer Reviewer</b>	<b>Period</b>
Reviewer	BioMed Central	2014
Reviewer	Medical Science Monitor Journal	2004 till now
Reviewer	International Seminars in Surgical Oncology (ISSO) Journal	2005 till now
Reviewer	Medical Journal of Malaysia (MJM)	2005 till now
Reviewer	Journal of Paediatric Neurology	2006-2007
Reviewer	Biomedical Imaging and Intervention Journal	2007 till now
Reviewer	Medical Journal of Malaysia, The Malaysia Medical Association	2008 till now
Reviewer	Singapore Medical Journal	2008 till now
Reviewer	Strategies in Trauma and Limb Reconstruction (STLR) Journal	2008 till now
Reviewer	Clinical Orthopaedic and Related Research (CORR) Journal	2012