

ZAMZURI BIN ZAKARIA @ MOHAMAD



- KULLIYAH OF MEDICINE
- IIUM Kuantan Campus
- Email address:
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ACADEMIC QUALIFICATION

- Medicine (Orthopaedics)
- Medical Science

TEACHING RESPONSIBILITIES

ADVANCE TRAUMA	2014/2015 2017/2018
APPLIED PHYSIOLOGY	2014/2015 2015/2016 2017/2018
CLINICAL ANATOMY	2014/2015 2015/2016 2017/2018
ELECTIVE	2014/2015
GENERAL ORTHOPAEDIC AND TRAUMATOLOGY I	2015/2016 2017/2018
GENERAL ORTHOPAEDIC AND TRAUMATOLOGY II	2015/2016
GENERAL PATHOLOGY	2014/2015 2017/2018
INTENSIVE CARE & GENERAL SURGERY	2014/2015 2015/2016 2017/2018
ISLAMIC INPUT IN ORTHOPAEDIC	2015/2016 2017/2018
ISLAMIC INPUT IN ORTHOPAEDIC SURGERY	2014/2015
OPERATIVE ORTHOPAEDIC SURGERY AND IMPLANTS	2014/2015 2015/2016 2017/2018
ORTHOPAEDIC IMAGING	2014/2015 2015/2016 2017/2018
ORTHOPAEDICS AND TRAUMATOLOGY I	2014/2015
ORTHOPAEDICS AND TRAUMATOLOGY II	2014/2015
ORTHOPAEDICS, TRAUMATOLOGY & REHABILITATION	2010/2011 2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
PRINCIPLE OF SURGERY & BASIC ORTHOPAEDIC SURGERY	2014/2015 2015/2016 2017/2018
PRINCIPLE ORTHOPAEDIC SURGERY	2014/2015 2015/2016 2017/2018
REHABILITATION AND BIOMECHANICS	2015/2016 2017/2018

RESEARCH METHODOLOGY

2014/2015 2017/2018

SPINE

2014/2015 2015/2016 2017/2018

RESEARCH PROJECTS

In Progress

2019 - Present Artificial Intelligence aided algorithm to improve the detection of severity of curve in scoliotic spine

2019 - Present Lumbar zygapophysial (Facet) joint injection clinical outcome

2017 - Present Assessment of Prognostic Factors Affecting Functional Outcome Spinal Tuberculosis Patients

2016 - Present "Clinical outcome of cervical spondylotic radiculopathy treated conservatively"

Completed

2016 - 2019 "Clinical outcome of cervical spondylotic radiculopathy treated conservatively"

2012 - 2016 Pre-Clinical Evaluations of Malaysian-Made "Osteopaste" an Injectable Self-Hardened Synthetic Bone Cement

2012 - -1 Early Functional And Radiological Outcome Of Closed Comminuted Fracture Distal End Radius Fracture Treated With A Volar Locking Plate

2012 - 2013 Early Functional And Radiological Outcome Of Closed Comminuted Fracture Distal End Radius Fracture Treated With A Volar Locking Plate

2011 - 2013 Maggot Debridement therapy with *Lucilia cuprina*: a comparison with conventional therapy in diabetic foot ulcers

2011 - -1 Maggot Debridement therapy with *Lucilia cuprina*: a comparison with conventional therapy in diabetic foot ulcers

2011 - -1 RU 2011 -Clinical factor affecting minor amputation in diabetic foot at Tengku Ampuan Afzan Hospital, Kuantan.

2010 - 2012 A Retrospective Study on the Intertrochanteric Fractures Treated with Dynamic Hip Screw in HTAA from January 2004 to January 2009

2009 - 2011 A Prospective Study of Paediatric Fractures Requiring Inpatient Management to Hospital Tengku Ampuan Afzan, Kuantan

2008 - 2011 Compression Fracture of the Thoracolumbar Spine: A Prospective Study Comparing Radiographic Results Between Early Ambulation with and without Lumbar Orthosis

2007 - 2011 A Histological and Ultrastructural Study on Bone Formation in Posterolateral Intertransverse Lumbar Spinal Fusion: A Novel Use for a Locally Produced Bone Graft Substitute

PUBLICATIONS

Article

- 2019** [A case of acute compartment syndrome of upper limb in a dengue haemorrhagic fever patient secondary to intravenous cannula insertion.](#) Orthopaedic Research Online Journal , 5 (3) pp.1-4
- 2019** [A rare case of synovial osteochondromatosis of the elbow.](#) Borneo Journal of Medical Sciences , 13 (3) pp.49-57
- 2019** [Synovial tuberculosis masquerading as monoarticular inflammatory arthritis.](#) Orthopaedic Surgery and Traumatology , 3 (1) pp.12-15
- 2018** [Sacral tuberculosis: an atypical manifestation.](#) International Medical Journal Malaysia , 17 (Supplementary Issue 1) pp.90-90
- 2018** [Cervical spondylotic radiculopathy: the role of conservative management.](#) International Medical Journal Malaysia (IMJM) , 17 (supp. 1) pp.51
- 2018** [Infantile cortical hyperostosis \(ICH\) secondary to prostaglandin E1 infusion in a newborn with complex cyanotic heart disease: a case report.](#) Orthopedic Research Online Journal , 4 (3) pp.1-4
- 2018** [Early functional and radiological outcomes between plaster cast and fiberglass cast in stable thoracolumbar burst fracture.](#) The International Medical Journal Malaysia , 17 (1) pp.121-126
- 2018** [Model of critical size defect in the New Zealand White rabbit's tibia.](#) The International Medical Journal Malaysia , 17 (1) pp.13-18
- 2018** [Cauda equina syndrome post epidural steroid injection.](#) Juniper Online Journal of Orthopaedic & Orthoplastic Surgery , 2 (2) pp.001-005
- 2018** [Deformity correction surgery in adolescent idiopathic scoliosis-our early experience.](#) International Medical Journal Malaysia , 17 (Supplementary Issue 1) pp.83-83
- 2016** [Intertrochanteric fracture fixation with dynamic hip screw: is tip-apex distance measurement useful for predicting fixation failure?.](#) International Medical Journal Malaysia , 15 (1) pp.31-34
- 2016** [Model of a critical size defect in the New Zealand White rabbit's tibia.](#) The International Medical Journal Malaysia (IMJM) , 15 (Supplement Issue) pp.43
- 2016** [Conus medullary Syndrome secondary to Spinal Schwannoma : A report of 3 cases.](#) The International Medical Journal Malaysia , 15 (Supplementary Issue 1) pp.70-70
- 2016** [Histological evaluation of hydroxyapatite granules with and without platelet-rich plasma versus an autologous bone graft : comparative study of biomaterials used for spinal fusion in a New Zealand white rabbit model.](#) Sultan Qaboos University Medical Journal , 16 (4) pp.422-429
- 2016** [A rare case of monostotic spinal fibrous dysplasia mimicking solitary metastatic lesion of thyroid carcinoma.](#) Malaysian Journal of Medical Sciences , 23 (1) pp.81-85

- 2015** [Chronic tibial osteomyelitis in children. A case review at Hospital Tengku Ampuan Afzan, Kuantan.](#) Medical Journal of Malaysia , 70 (1) pp.48-51
- 2015** [Clinical factors affecting minor amputation in diabetic foot diseases at Tengku Ampuan Afzan Hospital, Kuantan.](#) Malaysian Journal of Medical Sciences , 22 (2) pp.41-47
- 2014** [Hemorrhagic thoracic spinal epidural angioliopoma: a case report.](#) International Medical Journal Malaysia , 13 (1) pp.73-76
- 2014** [Primary fixation of AO type-C fracture of the distal radius with volar locking plates. A cross-sectional study of patient rated outcomes at Hospital Tengku Ampuan Afzan.](#) The International Medical Journal Malaysia , 13 (2) pp.3-6
- 2013** [Factors associated with the outcome of open tibial fractures.](#) Malaysian Journal of Medical Sciences , 20 (5) pp.47-53
- 2012** [Posterolateral intertransverse lumbar arthrodesis in the New Zealand white rabbit model: The illustration of an alternative surgical approach.](#) The International Medical Journal Malaysia , 1 (2) pp.19-22
- 2012** [Nasopharyngeal carcinoma presented with right upper limb weakness : a case report.](#) International Medical Journal Malaysia , 11 (2) pp.58-61
- 2011** [Metastatic adenocarcinoma of the lung mimicking spinal tuberculosis.](#) The International Medical Journal Malaysia , 10 (1) pp.41-43
- 2011** [Congenital insensitivity to pain with recurrent septic arthritis of the left knee.](#) The International Medical Journal Malaysia , 10 (1) pp.51-52
- 2008** [An in vivo implantation study in New Zealand white rabbits for granular hydroxyapatite.](#) European Cells and Materials , 16 (supp 2) pp.55
- 2008** [Granules hydroxyapatite application in fractures.](#) European Cells and Materials , 16 (supp 2) pp.56
- 2007** [Contralateral posterior interosseous flap used to cover large soft tissue defect in the fingers. A case report .](#) International Medical Journal Malaysia , 6 (1) pp.1-9
- 2006** [Infection Following Internal Fixation Of Closed Fractures.](#) International Medical Journal Malaysia , 5 (1) pp.1-8
- 2006** [Bilateral olecranon fracture in adult. A case report..](#) International Medical Journal Malaysia , 5 (1) pp.1-4
- 2004** [External fixation versus internal fixation for closed unstable intra-articular fracture of the distal radius. Early results from a prospective study.](#) Medical Journal of Malaysia , 59 (1) pp.15-18
- 2004** [Practical Islamic input in Orthopaedics Undergraduate Medical Curricula.](#) International Medical Journal Malaysia , 3 (2) pp.E2
- Conference or Workshop Item**
- 2019** [Implant related neurological deficit. In: 7th International MSS Scientific Congress](#)

- 2019 [In vivo performance of injectable self-hardened synthetic bone cement \(osteopaste\) as a filler for bone defects.](#) In: **SIRIM Invention, Innovation & Technology Expo (SI2TE) 2019**
- 2019 [Assessment of prognostic factors affecting functional outcome in spinal tuberculosis patients.](#) In: **7th International MSS Scientific Congress**
- 2018 [Model of critical size defect in New Zealand white rabbit's tibia.](#) In: **Malaysia Technology Expo 2018**
- 2018 [Injectable self-hardened synthetic bone cement \(Osteopaste\) as a filler for bone defects: A histological result from experimental study in New Zealand white rabbit's tibia.](#) In: **Malaysia Technology Expo 2018**
- 2018 [Spinal infection: Is antibiotic enough?.](#) In: **48th Malaysian Orthopaedic Association Annual Scientific Meeting/Annual General Meeting**
- 2018 [Sacral tuberculosis :an atypical manifestation.](#) In: **6th International MSS Scientific Congress**
- 2018 [The never ending debate in cervical spondylotic myelopathy \(CSM\): Should I approach from the front or back?.](#) In: **6th International MSS Scientific Congress**
- 2018 [Cervical spondylotic radiculopathy - The role of conservative management.](#) In: **6th International MSS Scientific Congress**
- 2018 [Injectable self-hardened synthetic bone cement \(osteopaste\) as a filler for bone defects: A histological result from experimental study in New Zealand White rabbit's tibia.](#) In: **48th Malaysian Orthopaedic Association Annual Scientific Meeting/Annual General Meeting 2018**
- 2018 [Comparison between patient control analgesia combine with periarticular drug injection and patient control analgesia alone in total knee arthroplasty.](#) In: **48th Malaysian Orthopaedic Association Annual Scientific Meeting/Annual General Meeting 2018**
- 2018 [East coast spine circle meeting.](#) In: **East Coast Spine Circle Meeting**
- 2017 [Preliminary in vivo evaluation of bone healing in critical size bone defects implanted with an injectable calcium-phosphate bone cement \(Osteopaste\).](#) In: **Medical Research Symposium 2017**
- 2017 [Early functional and radiological outcome between plaster cast and fibreglass cast in stable thoracolumbar burst fracture.](#) In: **5th International MSS Scientific Congress**
- 2016 [Correlation study between clinical special tests for myelopathy and MRI findings in patients seen for cervical dysfunction.](#) In: **SpineWeek 2016**
- 2016 [A morphometric analysis of the pathoanatomy of cervical spondylotic myelopathy and the correlation between magnetic resonance imaging findings and clinical presentation of patients.](#) In: **4th International MSS Scientific Congress**
- 2016 [Thoracolumbar fractures without neurological deficits: is CT scan and MRI necessary?.](#) In: **5th International MSS Scientific Congress**

- 2015 [Unexpected case of ankle tuberculosis in a young professionals leading to delay in diagnosis.](#) In: **36th SICOT Orthopaedic World Congress**
- 2015 [Influence of tip-apex distance in intertrochanteric fracture fixation in Malaysian population.](#) In: **45th Malaysian Orthopaedic Association Annual Scientific Meeting**
- 2015 [Pre-clinical in vivo evaluation of Malaysian-made "osteopaste" – an injectable self-hardened synthetic bone cement in critical size bone defects.](#) In: **45th Malaysian Orthopaedic Association: Annual Scientific Meeting**
- 2015 [Model of a critical size defect in the New Zealand white rabbit's tibia.](#) In: **45th Malaysian Orthopaedic Association Annual Scientific Meeting 2015**
- 2015 [Pre-clinical in vivo evaluation of Malaysian-made "osteopaste"- an injectable self-hardened synthetic bone cement in critical size bone defects.](#) In: **Malaysian Technology Expo (MTE 2015)**
- 2014 [A rare presentation of an open traumatic scapulothoracic dissociation following conveyor machine hazard.](#) In: **44th Malaysian Orthopaedic Association (MOA) Annual General Meeting / Annual Scientific Meeting 2014 incorporating 11th CAOS Asia Meeting**
- 2014 [Model of a critical size defect in New Zealand white rabbits Tibia.](#) In: **International Research, Invention and Innovation Exhibition 2014 (IRIIE2014)**
- 2014 [Conus medullary syndrome secondary to spinal schwannoma: a good surgical outcome of 3 cases.](#) In: **44th Malaysian Orthopaedic Association (MOA) Annual General Meeting / Annual Scientific Meeting 2014 incorporating 11th CAOS Asia Meeting**
- 2014 [Clinical factors affecting minor amputation in diabetic foot disease at Tengku Ampuan Afzan Hospital, Kuantan.](#) In: **44th Malaysian Orthopaedic Association Annual General Meeting / Annual Scientific Meeting Incorporating 11th CAOS Asia Meeting 2014**
- 2014 [Concurrent involvement of bone and thyroid gland. Report of two cases of benign spinal lesion mimicking metastatic spine disease.](#) In: **10th Annual Asia Pacific Musculoskeletal Tumour Society (APMSTS) Scientific Meeting**
- 2013 [Intradural extramedullary spinal schwannoma : early surgical outcome of 4 cases.](#) In: **Asia Pacific Spine Society (APSS) Travelling Fellowship 2013: Singapore, India**
- 2013 [Conus medullary syndrome secondary to spinal cord tumour : report of surgical outcome of 3 cases.](#) In: **Asia Pacific Spine Society (APSS) Travelling Fellowship 2013: Indonesia**
- 2013 [Back pain and osteolysis of the thoracic spine in an adult: a case of monostotic fibrous dysplasia masquerading as spinal metastasis.](#) In: **9th Asia Pacific Spine Society Congress**
- 2012 [A prospective study of paediatric fractures in Hospital Tengku Ampuan Afzan, Kuantan.](#) In: **42nd Malaysian Orthopaedics Association Annual General Meeting/ Annual Scientific Meeting**

- 2012 [Application of hydroxyapatite granules in posterolateral intertransverse lumbar spinal fusion.](#) In: **International Conference on Nanotechnology, ICONT 2012**
- 2011 [Thoracolumbar compression fracture: should we brace? .](#) In: **41st Malaysian Orthopaedic Association Annual General Meeting / Annual Scientific Meeting & 5th ASEAN Arthroplasty Association Meeting**
- 2011 [High mortality in cervical fracture with ankylosing spondylitis : case reports.](#) In: **41st Malaysian Orthopaedic Association Annual General Meeting / Annual Scientific Meeting & 5th ASEAN Arthroplasty Association Meeting**
- 2011 [Gram negative infection following plating of Tibia resulted with exposed bone and implant.](#) In: **SICOT 2011 XXV Triennial World Congress**
- 2010 [Screw complication of ACL reconstruction: report of two cases.](#) In: **40th Malaysian Orthopaedic Association Annual General Meeting/ Annual Scientific Meeting**
- 2010 [Screw complication of ACL reconstruction: report of two cases.](#) In: **The 4th ConMed Linvatec Asia Arthroplasty Symposium 2010**
- 2010 [Production of autologous platelet-rich plasma from an animal model.](#) In: **IUM Research, Invention and Innovation Exhibition 2010**
- 2010 [Posterolateral lumbar spinal fusion in the New Zealand white rabbit model: surgical techniques.](#) In: **IUM Research, Innovation & Invention Exhibition (IRIIE 2010)**
- 2010 [Bone formation at posterolateral intertransverse lumbar fusion.](#) In: **IUM Research, Innovation & Invention Exhibition (IRIIE 2010)**
- 2009 [Different effect of hydroxyapatite granules in posterolateral spinal fusion in New Zealand white rabbit: a preliminary result.](#) In: **Combined Meeting of 39th Malaysian Orthopaedic Association Annual Scientific Meeting & Annual Congress of The World Society for Endoscopic, Navigated & Minimal Invasive Spine Surgery**
- 2008 [An In Vivo Implantation Study in New Zealand White Rabbits for Granular Hydroxyapatite.](#) In: **eCM IX MUSCULOSKELETAL TRAUMA: 50 YEARS OF AO RESEARCH**
- 2008 [Granules Hydroxyapatite Application In Fractures.](#) In: **eCM IX MUSCULOSKELETAL TRAUMA: 50 YEARS OF AO RESEARCH**
- 2007 [Musculoskeletal melioidosis.](#) In: **Fifth SICOT/SIROT Annual International Conference 2007**
- 2007 [The use of a made-in- Malaysia Hydroxyapatite \(HA\) granules \(GRANUMAS\): early clinical results a one year review.](#) In: **Fifth SICOT/SIROT Annual International Conference 2007**
- 2007 [Palm oil thorn induced tumour-like lesion: a review of 4 cases.](#) In: **Fifth SICOT/SIROT Annual International Conference 2007**
- 2006 [Local flap for open fracture grade IIIB tibia.](#) In: **36th Malaysian Orthopaedic Association Annual Scientific Meeting & 2nd Asia Pacific Orthopaedic Association Trauma Section Meeting**

2006 [Palm oil thorn induced tumour like lesion: a review of 3 cases.](#) In: **36th Malaysian Orthopaedic Association Annual Scientific Meeting & 2nd Asia Pacific Orthopaedic Association Trauma Section Meeting**

Book
Book Section