

dr. Yudha Mathan Sakti, Sp. OT(K)

Academic Appointment

Doctor of Medicine and Health Sciences
Faculty of Medicine, Public Health, and Nursing
Gadjah Mada University, Yogyakarta

Formal Education

- Medical Faculty of Padjadjaran State University, Bandung - Bachelor of Medicine - 2003
- DR. Hasan Sadikin General Hospital Bandung, West Java - Internship Program Medical Doctor 2006
- Surgery Department University of Gadjah Mada – Sardjito General Hospital Yogyakarta - Resident in training for basic surgery - 2009
- Orthopaedic & Traumatology Department University of Gadjah Mada – Sardjito General Hospital Yogyakarta (awarded as the best candidate for the board national exam of orthopaedic and traumatology) - Resident in training for Orthopaedic & Traumatology program – 2012
- Hallym University Sacred Heart Hospital Spine Center – Hallym University Medical Center, Seoul, Korea - Orthopaedic Spine Fellowship for Spine Consultant - 2013
- Microscopic Spine Surgery from Department of Orthopaedic Surgery Hiroshima City Asa Hospital, Hiroshima, Japan - Orthopaedic Spine Fellowship for Spine Consultant - 2014
- Kolegium Ilmu Orthopaedi dan Traumatologi Indonesia – Fakultas Kedokteran Universitas Indonesia, Jakarta, Indonesia - Orthopaedic Spine Fellowship for Spine Consultant – 2014
- Department of Biomedical Engineering in Rijks Universiteit Groningen (RuG), Groningen, the Netherland – PhD student – 2013-now

Non Formal Education

- Attachment programme in Ubbo - Emmius Klinik for orthopaedic and traumatology cases – Aurich Germany – 2012
- 12th National University Hospital Tissue Bank Workshop – Singapore – 2017
- Association of Southeast Asian Nations Travelling Fellowship – The American Orthopaedic Association - 2018
- CESS SHOT Fellowship in Endoscopic Spine Surgery (On-Line) - Centre for Endoscopic Spine Surgery - 2020
- AO Spine - The AO Spine Global Spine Diploma (GSD) Exam - 2021
- AO Spine Fellowship Programme – Nijmegen - Fellowship for Spine Consultant - 2022

Organizational Experience

- Board Member of Pacific and Asian Society of Minimally Invasive Spine Surgery (PASMIS)
- The Member of The Fellowship Sub-Committee - Asia Pacific Spine Society (APSS)
- President MISST Asean 2021 - Association Of South East Asian Nations –Minimally Invasive Spine Surgical Techniques
- Vice President Young Surgeon APOA - Asia Pasific Orthopaedic Assosiation
- Deputy Secretary General of The Indonesian College of Orthopaedic and Traumatology

- Chairman of the Fellowship Education Commission of The Indonesian College of Orthopaedic and Traumatology

Award & Prize

- Best Candidate – The Board National Exam of Orthopaedic and Traumatology
- Best Paper Award Korean Society of Spine Surgery (KSSS) 2020 – “Correlation of MRNA Expression Of Ladybird Homeobox 1 (LBX1) and Estrogen Receptor with Severity of Deformity and Flexibility in Adolescent Idiopathic Scoliosis”
- Silver Award – Indonesian Healthcare Innovation Awards IV 2020
- Best Paper Award Korean Society of Spine Surgery (KSSS) 2022 – “Combination of Poly-Vinyl Alcohol and Chitosan Material as The Promising Spinal Scalfolding Material: Biomaterial and Biological Evaluation”

Certificate

- Participant of The 22nd Pacific and Asian Society of Minimally Invasive Spine Surgery (PASMIS 2022)
- Committee and/or Moderator of The 22nd National Congress of Indonesian Orthopaedic Association KONAS PABOI 2022
- Speaker of Community Service Making Health Education Videos from Inahealth FK-KMK UGM
- The Head of The Medical Team as an Earthquake Disaster Volunteer – Cianjur Jawa Barat
- Speaker in Basic Disaster Management Plan Preparation Training in Hospital – FK-KMK UGM
- Speaker and/or Session Moderator during the 22nd Congress of Asia Pacific Orthopaedic Association (Virtual Meeting) 2022
- Speaker of Health Talk through Radio Indonesia Sehat (RAISA) with The Topic “Scoliosis: A Curved Bone Solution” 2023

Patent

- Biomaterial Tulang Sintetis Berpori Dari Cangkang Telur dan Gula Pasir (IDP000049676)
- Implant Tulang Belakang Modular (IDP000068030)
- Karya Rekaman Video “Hai Dok Episode Tips Perawatan PEN Pasca Operasi” (000255260)
- Karya Rekaman Video “MENTOR #2 Dr. Yudha: Inovasi Bidang Orthopaedi dan Traumatologi Untuk Kemandirian Indonesia” (000250010)
- Karya Rekaman Suara atau Bunyi “MENTOR #2 Dr. Yudha: Inovasi Bidang Orthopaedi dan Traumatologi Untuk Kemandirian Indonesia” (000254368)

Select Research Project

- Profil osteoklas pada proses litik terhadap profil ekspresi mRNA pada RANKL pada pasien dengan metastasis keganasan pada tulang di RSUP Dr. Sardjito (2019)
- Evaluasi Hipersensitivitas Hidroksiapatite dari Cangkang Telur Ayam dengan Metode Patch Skin Test pada Pasien Implantasi Bone Graft Produksi Mandiri di RSUP Dr. Sardjito Yogyakarta (2019)
- Effectiveness (mobility, field of vision, radiation exposure, duration of operation) of single pillar Sardjito c-arm table comparison with conventional operating table for minimally invasive spine surgery at sardjito general hospital (2020)
- Aplikasi Kombinasi Antara Sel Punca Alogenik Asal Wharton’s Jelly dan Perancah Medula Spinalis yang Terbuat dari Serat Berukuran Nano Melalui Proses Elektrosinning pada Kasus Cedera Tulang Belakang di Hewan Coba (Capra Aegagrus Hircus) (2021)
- Comprehensive Approach On Managing Chronic Osteomyelitis In Orthopaedic Cases; Biomaterial, Biofilm And Clinical Perspective (2022)

- Uji Klinik Efikasi dan Keamanan Sel Punca Alogenik asal Tali Pusat pada Cidera Medula Spinalis. (2022)

Select Journals

- [Diamond Concept as Principle for the Development of Spinal Cord Scaffold: A Literature Review](#)
Open Access Macedonian Journal of Medical Sciences (2021) 9(F) 754-769
dr. Yudha Mathan Sakti, Sp.OT(K), dr. Rusdy Ghazali Malueka, Ph.D., Sp.S, dr. Ery Kus h.D., Sp.S, dr. Ery Kus Dwianingsih, Ph.D., Sp.PA(K), Dr.Eng. Ahmad Kusumaatmaja, S.Si., M.Sc, Akbar Mafaza, Deas Makalingga E
- [Occipitocervical Fixation: a Case Report of Our Techniques and Results](#)
International Journal of Surgery Case Reports, Vol 90 (2021) 1-7
dr. Yudha Mathan Sakti, Sp.OT(K), dr. Zikrina Abyanti Lanodiyu, Sonny Wijanarko, Zaky Asad Alhaq, Galih Prasetya S, Husein Ahmad, Prisilla Desfiandi, dr. Rahadyan Magetsari, Sp.OT(K), FICS., Ph.D.
- [Correlation of Tumor Necrosis Factor- \$\alpha\$ Expression with Pain Level in Degenerative Lumbar Canal Stenosis Patients](#)
Open Access Macedonian Journal of Medical Sciences (2021) 9(B) 1135-1139
dr. Yudha Mathan Sakti, Sp.OT(K), dr. Rahadyan Magetsari, Sp.OT(K), FICS., Ph.D., David Yosua P. H., Galih Prasetya S, Paramita Dyah L, Nicolaas C. Budhiparama, dr. Ery Kus Dwianingsih, Ph.D., Sp.PA(K)
- [Emergent spine during COVID-19 pandemic: 10 Months experience in Dr. Sardjito general hospital, Indonesia a case series](#)
Annals of Medicine and Surgery 67 (2021) 102513
dr. Yudha Mathan Sakti, Sp.OT(K), Rosyad Nur Khadafi
- [Functional outcomes following surgical treatment in patient with primary degenerative adult scoliosis](#)
International Journal of Surgery Case Reports 84 (2021): 106095.
dr. Yudha Mathan Sakti, Sp.OT(K), Rezky Winda Saraswaty, Bagus Yudha Pratama, Aristida Cahyono Putra, Dwi Budhi Susanto, Akbar Mafaza, Anak Agung Ngurah Nata Baskara, Rahadyan Magetsari
- [Transforaminal endoscopic lumbar discectomy for L5–S1 disc herniation: A case series](#)
International Journal of Surgery Case Reports 83 (2021) 105967
Yudha Mathan Sakti, Rosyad Nur Khadafi , Andi Karsapin Tarsan, Aristida Cahyono Putro , Galih Prasetya Sakadewa , Dwi Budhi Susanto , Karisa Kartika Sukotjo
- [Correlation between vascular endothelial growth factor \(VEGF\) expression with histopathological findings in Osteosarcoma](#)
Journal of the Medical Sciences Volume 53, Number 2, 2021; 110-120
Fikar Arsyad Hakim, Yuni Artha Prabowo Putro, Yudha Mathan Sakti, Rahadyan Magetsari, Irianiwati Widodo, Ery Kus Dwianingsih
- [Perceptions of their knowledge, practices and competence in sports injury prevention recognition and management by physical education teachers in Yogyakarta, Indonesia](#)
International Sports Studies 43 No. 2 (2021)
Luthfi Hidayat, Meirizal, Yudha Mathan Sakti, Yuni Artha Prabowo Putro, Aditya Fuad Robby Triangga, Muhamad Afrizal Farkhan, Bernadeta Fuad Paramita Rahayu, Rahadyan Magetsari
- [The VEGF and HER2 Expressions as Prognostic Factors in Osteosarcoma Patients](#)
SSRN 2022
Rahadyan Magetsari, dr. Yuni Artha Prabowo, dr. Fikar Arsyad Hakim, dr. Maria Alethea Septianastiti, dr. Christina Megawimanti Sianipar, dr. Zikrina A. Lanodiyu, dr. Yudha Mathan Sakti, dr. Ery Kus Dwianingsih.
- [The impact of spinal fusion of adolescent idiopathic scoliosis in Salah \(Islamic Prayer\) movement: a case-control study](#)
F1000 Research 2022, 11:1054, 1-14

Komang Agung Irianto, Naufal Ranadi Firas, Carlos Gracia Supriantono Binti, Yudha Mathan Sakti, Brigita De Vega

- [Neglected cervical spondyloptosis of the 5TH – 6TH cervical spine following cervical manipulation: A case report](#)
International Journal of Surgery Case Reports. Vol 94 (2022)
Yudha Mathan Sakti, Sharfan Anzhari, Andrea Kartika, Ardicho Irfantian, Husein Ahmad, Galih Prasetya Sakadewa, Zaky Asad Alhaq, Alan Philips Kustianto Putra Resubun, Andi Karsapin Tarsan
- [Novel minimally invasive management of lumbar osteomyelitis: A case report](#)
International Journal of Surgery Case Reports, Vol 92 (2022) 1-6
Y.M. Sakti, A.R. Chusnanto, A.P. Resubun, A.C. Putro, C.R. Cein, Y.O. Tampubolon, A. Mafaza, A. Wikantayasa, R. Magetsari
- [Pelvic parameter improvement following deformity correction in adolescen idiopathic scoliosis: A case series](#)
International Journal of Surgery Case Reports, Vol 92 (2022) 1-9
dr. Yudha Mathan Sakti, Sp.OT(K), Caesarean Rayhan C, Akbar Mafaza
- [Comparison of insertion time, pull- out strength, and screw- media interface area of customized pedicle screw with different core and thread design against commercial pedicle screw: a pilot study on Indonesian Population](#)
BMC Research Notes, Vol 15, 2022
dr. Rahadyan Magetsari, Sp.OT(K), FICS., Ph.D., dr. Tedjo Rukmoyo, Sp.OT(K), S.Spine., FICS., Marda Ade Saputra, dr. Yudha Mathan Sakti, Sp.OT(K)
- [Expression of Receptor Activator of Nuclear – Kappa \$\beta\$ Ligand in Patients with Metastatic Bone Disease](#)
Open Access Macedonian Journal of Medical Sciences, Vol 10, 2022
dr. Rahadyan Magetsari, Sp.OT(K), FICS., Ph.D., dr. Ery Kus Dwianingsih, Ph.D., Sp.PA(K), Nicolaas C. Budhiparama, Irene Araneta, dr. Yudha Mathan Sakti, Sp.OT(K)
- [Pedicle morphometry analysis of main thoracic apex adolescent idiopathic scoliosis](#)
BMC Surgery (2023) 23:34
Yudha Mathan Sakti, Zikrina Abyanti Lanodiyu, Mahardhika Ichsantyaridha, Sonny Wijanarko, Muhammad Riyad Filza, Taufan Taufan, Dwi Budhi Susanto, Yunus Oksikimbawan Tampubolon, Anak Agung Ngurah Nata Baskara, Aidil Akbar Nurshal, Fuad Dheni Mustofa, Annissa Rosfadilla, Rahadyan Magetsari, Tedjo Rukmoyo