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Citizenship: Malaysia

Current Post & Responsibility:

Senior Consultant Emergency Physician & Emergency Critical Care,
Trauma & Emergency Department, Hospital Raja Permaisuri Bainun,
Jalan Ipoh, 30450, Ipoh, PERAK, MALAYSIA

National Coordinator,
Fellowship in Emergency Critical Care (ECC),
Emergency Medicine & Trauma Services ,
Ministry of Health Malaysia, MALAYSIA.

State Advisor,
Emergency & Trauma Services, State of Perak,
Perak, MALAYSIA.

Honorary Senior Lecturer in Emergency Medicine,
Royal Perak College of Medicine (R.P.C.M), UniKL, Perak,
Malaysia.

Advisor & Trainer,
Fellowship in Emergency & Critical Care Ultrasound,
Emergency Medicine Program, Faculty of Medicine,

UiTM, Malaysia.

Supervisor,
European Diploma in Advanced Critical Care Echocardiography
(EDEC),
European Society of Intensive Care Medicine (ESICM).

Coordinator,
Fellowship in Emergency & Critical Care Ultrasound,
Malaysian International Training Unit,
The World Interactive Network Focused On Critical UltraSound
(WINFOCUS).

Editor,
The Ultrasound Journal
Springer Open

Evaluation Committee for Specialist Medical Qualifications (ECSMQ)
for Emergency Medicine , National Specialist Register (NSR) ,
Malaysian Medical Council (MMC).

Primary Education:

National University of Malaysia (U.K.M), Malaysia, B.Sc. (Medical
Sciences), 1992

National University of Malaysia (U.K.M), Malaysia, M. D (Medicine),
1995

Specialty/Board Certification:

Master in Medicine, MMed (Emergency Medicine), University
Science of Malaysia, Malaysia, 2002.

Fellowship / Special Interest Training:

1. Fellowship in Critical Care Medicine, Italy 2010

- Fellowship attachment in Intensive Care and Advanced Echodynamic with Prof. Gabrielle Via and Prof. Antonio Braschi, Department of Anesthesia and Intensive Care, Fondazione I.R.C.C.S. Policlinico San Matteo & University of Pavia, Pavia, Italy.

Reference: Gabrielle Via (gabriele.via@gmail.com)

- Fellowship attachment in Neuro Intensive Care with Dr. Massimo Lamperti, Department of Anesthesia and Neuro Intensive Care, Istituto Nazionale Neurologico Besta, Milan, Italy.

Reference: Massimo Lamperti (doclamprd@gmail.com)

- Fellowship attachment in Pre Hospital Care & Intensive Care with Dr. Tomislav Petrovic, EMS (SAMU 93), Hopital Avicenne, Bobigny, Paris, France.

Reference: Tomislav Petrovic (tomi.petro.77@gmail.com)

- Fellowship attachment in Intensive Care & Critical Care Ultrasound with Prof. Daniel Talmor, Lowenstein Professor of Anaesthesia at Harvard Medical School and Chair of the Department of Anesthesia, Critical Care and Pain Medicine at Beth Israel Deaconess Medical Center, Boston, USA.

Reference: Prof. Daniel Talmor
(dtalmor@bidmc.harvard.edu)

- Fellowship attachment in Emergency & Critical Care Ultrasound with Prof. Luca Neri, AREU EMS, Niguarda Ca' Granda Hospital, Milan, Italy.

Reference: Prof. Luca Neri (luca.neri.md@gmail.com)

2. Fellowship in Emergency & Critical Care Ultrasound, WINFOCUS International Fellowship Program, 2010-2011

Reference: Prof. Luca Neri (luca.neri.md@gmail.com)

Special Training Certification:

1. Weapon of Mass Destruction (WMD) Operational Course, Senior Police Officer Training Centre, Cheras, Kuala Lumpur, Organized by National Security Division, PM Department & Anti-Terrorism Assistance (ATA), State Department, US, July 25th to 19th August 2005.

2. Scholarship for Clinical Toxicology Attachment From Ministry of Health Malaysia, Hong Kong Poison Centre, United Christian Hospital, Kwun Tong, Hong Kong SAR, Nov –Dec 2009.

Award

Pingat Panglima Mahkota Perak (PMP) from His Highness Sultan Nazrin Muizzuddin Shah ibni Almarhum Sultan Azlan Muhibbuddin Shah Al-Maghfur-Lah , Sultan of Perak (2018).

Membership in professional/scientific societies

- **Chairman** WINFOCUS Malaysia, 2008-Present
- **Board of Director**, WINFOCUS World. (2014-2021)
- **Chairman** WINFOCUS Indonesia, 2012 -Present.
- **Vice President**, Society of Emergency & Critical Ultrasound Malaysia. 2012-Present
- **Committee Member**, Malaysian College of Emergency Physician, 2011-2015.

□ **Committee Member**, Malaysian Association for Traumatology and Emergency Medicine. 2008-2011.

□ **Member** of Academy Of Medicine (Malaysia)-College of Surgeon, 2010-2011.

Academic Responsibilities

- Editorial Board, The Ultrasound Journal, SpringerOpen Journal 2014 –Present.
- National Coordinator , Emergency Medicine Critical Care Fellowship Program , Ministry of Health Malaysia,
- Course Director, Malaysian WINFOCUS Fellowship in Emergency & Critical Care Ultrasound, HRPB, Ipoh, Perak, Malaysia
- Committee for Royal College of Emergency Medicine FRCM (UK) Training Program, Ministry of Health, Malaysia. 2018- Present
- Honorary Faculty, Fellowship in Emergency & Critical Ultrasound, UiTM Medical School, Malaysia .2016 -Present
- Honorary International Faculty, Alexandria Academy for Clinical and Emergency Sonography, Singapore .2015 -Present

Major Teaching Responsibilities:

- Chairman /Trainer / Provider for World Interactive Network Focused on Critical Ultrasound (WINFOCUS Malaysia), BL1, WBE & Advanced L1, WINFOCUS Kuala Lumpur International Training Centre: 2008-Present
- Examiner for Part 1 and Part 2 (Final), MMed in Emergency Medicine, National Conjoint Board in Emergency Medicine, Malaysia, 2010-Present.
- Science University of Malaysia (U.S.M), Malaysia, Honorary Visiting Lecturer 2010-Present.
- University Malaya, Malaysia- Honorary Lecturer in Emergency Medicine for M.Med (Emergency Medicine) Residency Program, 2008-2011.

- Ulu Kinta Medical Assistant College, Honorary Lecturer for Advance Course in Trauma and Emergency Medicine (AEMTC), 2004-Present.
- Instructor / Faculty Member for Emergency Management Severe Burn (EMSB) Course joint organized by Australian & New Zealand Burn Association and UKM Medical Centre, Malaysia. 2008-Present
- Faculty Member and Facilitator for Basic Emergency Ultrasound and Trauma (BEST) Course. Joint organized by UKM and Tan Tock Seng Hospital, Singapore. 2007-2008
- Universiti Putra Malaysia (U.P.M), Visiting Lecturer for Emergency Medicine Attachment. 4th and Final Year, 2002-2004.
- National University of Malaysia (U.K.M), Visiting Lecturer for Emergency Medicine. Family Medicine Resident 2nd Year, 2003-2004.
- Appointed as a Internal Examiner for MBChB (Sheffield), Final Year Exam 2005
- Honorary Associate in School of Medicine, University of Tasmania, 1st July 2004 to 30 June 2005.

International Conferences / Invited Speakers / Workshop (2010-2019)

- Faculty and Speaker for **7th World Congress in Emergency and Critical Ultrasound**, 4-9th Oct 2010, UCSC Policlinico A. Gemelli' - Congress Center Europa, Rome, Italy.
- Speaker for **Critical Ultrasound Course**, China ICU Society, Beijing, China, 2011.

- Faculty and Speaker for **18th International Conference in Emergency & Critical Care**, Kartika Discovery Hotel, Bali, 2011
- Speaker for **3rd Asean Conference of Primary Care Medicine**, Ipoh, Malaysia, 2011
- Faculty and Fasilitator for **India Critical Care Conference**, 2011- Pre Congress USLS Course
- Faculty and Fasilitator for **Critical Ultrasound Course**, Rohtak University, Rohtak, India, 2011.
- Faculty and Fasilitator for **Critical Care Ultrasound Course**, India Critical Care Society, Jaipur Chapter, Jaipur, India, 2011.
- Faculty and Speaker. **8th World Congress in Emergency and Critical Ultrasound**, AIMST, New Delhi, India, 2011.
- Speaker and Fasilitator for **8th IndoAnaesthesia Conference, Society of Anesthesiology Indonesia**, Grand Melia Hotel, Jakarta, Indonesia, 2012. – USLS Pre Congress Workshop
- Speaker & Critical Ultrasound Course Coordinator **19th International Conference in Emergency & Critical Care**, Bali, 2011
- Speaker & Director, Critical Ultrasound Course **20th International Conference in Emergency & Critical Care**, Bali, 2012
- Faculty and Fasilitator for Advanced (More than basic Echocardiography in Critical care”. **9th World Conference in Emergency and Critical Ultrasound, Barcelona, Spain 2012:**
- Plenary Speaker , “ Focused Ultrasound in Critical Care” **21th International Conference in Emergency & Critical Care**,

- Kartika Discovery Bali Hotel**, July 2013, Bali, Indonesia.
- Plenary Speaker . “ Focused Echocardiography in Critically ill Patient”. **XII Holistic Approach in Cardiovascular Disease Symposium**, Indonesian Cardiocerebrovascular Society (ICS), 7-9 June 2013, Ritz Carlton Hotel Mega Kuningan, Jakarta.
 - Invited Speaker and Fasilitator, “Ultrasound in Trauma” **.2nd World Congress on Ultrasound in Medical Education, University of South Carolina**, August 2013 South Carolina, Columbia, USA.
 - Speaker and Fasilitator, **1st WINFOCUS USLS L1 Course**, Tokyo Convention Centre, Oct 2013, Tokyo, Japan.
 - Invited Speaker, **Asian Conference of Emergency Medicine (ASEM)**, Oct 2013, Tokyo, Japan.
 - Invited Speaker and Fasilitator **9th Congress of Emergency and Critical Care Ultrasound, Hong Kong Academy of Medicine**, November 2013, Hong Kong.
 - Fasilitator and Course Director for **1st PekanBaru Anaesthesia Forum**, Pekanbaru, Riau, Indonesia, 18th -19th January 2014. – WINFOCUS USLS Pre Congress Workshop.
 - Fasilitator for **9th IndoAnaesthesia Conference, Society of Anesthesiology Indonesia**, Ritz Carlton, Jakarta, Indonesia, 13-14 February 2014. – USLS Pre Congress Workshop
 - Speaker for **9th IndoAnaesthesia Conference, Society of Anesthesiology Indonesia**, Ritz Carlton, Jakarta, Indonesia, 15th -16th February 2014.
 - Speaker and Course Director, **Critical Care Ultrasound Workshop, Indonesian Anaesthesiology and Critical Care Society, Faculty of Medicine, Padjajaran University**,

Bandung, Indonesia, June 2014

- Speaker for **International Conference of Emergency Medicine**, (ICEM) ."Ultrasound Guided Procedures" Hong Kong Convention Centre, Hong Kong SAR, June 2014,
- Congress President and Speaker, " Ultrasound guided Procedures" .**10th World Congress in Emergency and Critical Care Ultrasound**, Royale Chulan Hotel, Kuala Lumpur, 9- 12 th November 2014.
- Speaker and Course Director, **ICU Ultrasound Course**, Vietnam Society of Intensive Care, HCMC Teaching Center, Ho Cin Minth, Vietnam, 20th May 2015.
- Plenary Speaker, **Phillipines College of Emergency Medicine Annual Meeting**, Crowne Plaza Galleria, Manila, Philippine. 13th to 14th April 2015.
- Invited Speaker, Paediatric Emergency Ultrasound, **8th Biennial Meeting of Indonesian Paediatric Anaesthesia & Critical Care**, Pullman Surabaya, Indonesia, 3rd to 4th June 2015.
- Speaker and Fasilitator, **Abdomen & Echocardiography Course**, Ko Teck Puat Hospital, Singapore 30 to 31st July 2015
- Speaker and Fasilitator, Basic Echocardiography Course, **Asian Congress of Emergency Medicine**, Taiwan, 4th to 5th November 2015.
- Invited Speaker, **11th WINFOCUS World Congress**, Harvard Medical School, Boston, MA, USA, 22nd to 24th October 2015.
- Speaker and Fasilitator, Basic Echocardiography Course and Advanced Echocardiography in Critical Care, **12th World Congress in EM & CritCare Ultrasound**, Slovenia, October

- 2016.
- Faculty and Speaker , **24th Asia Pacific Symposium on Critical Care &EM** , Discovery Kartika Plaza , Bali , Indonesia. August 2017.
 - Faculty , **AACES Ultrasound Workshop** , Koo Teck Puat Hospital , Singapore , 17th August 2017 .
 - Course Director, Resuscitative Transesophageal Echocardiography (TEE), **MyLIVE conference**, CEP & National Heart Association of Malaysia (NHAM), Hilton Hotel, Kuala Lumpur, 2017.
 - Course Director, **Critical Care Ultrasound** Workshop, Vietnam Society of Intensive Care, Bach Mai Hospital, Hanoi, Vietnam .20th Oct 2017.
 - Invited Plenary Speaker, ‘ Role of airway ultrasound in EM & Critical Care’ **13th WINFOCUS World Congress in EM & CritCare Ultrasound**, Rosario, Argentina, and September 2017.
 - Course Director, **Advanced Critical Care Ultrasound**, Department of Critical Care & Emergency Medicine, University of Medicine, Ho Chi Minh City, Vietnam .19th Oct 2017.
 - Speaker and Fasilitator, **Ultrasound Life Support level 1**, Chulalongkon University , Bangkok , 9-12 January 2018.
 - Speaker, “ POCUS in septic shock” **Society of Emergency Medicine Annual Scientific Meeting**, Singapore, 27th January 2018.
 - Speaker and Fasilitator, **Focused Cardiac Ultrasound Workshop**, Indoanaesthesia Conference, ShangRi-La, Jakarta, Indonesia, 20-21st February 2018.
 - Speaker, ‘ Focused cardiac & lung ultrasound in septic shock” **18th Vietnam Annual Scientific Meeting in Intensive Care**,

Da Lat, Vietnam .

- Invited Plenary Speaker, “ Ultrasound in EM” **Phillipines Society of Ultrasound in Clinical Medicine Annual Scientific Conference**. 9-10th March 2018.
- Invited Plenary Speaker, “ Airway Ultrasound in Critical Care” **14th WINFOCUS World Congress in EM & CritCare Ultrasound**, Madrid, Spain 2018.
- Invited Plenary Speaker “ Novel Ultrasound Guided Pericardiocentesis “ , **14th WINFOCUS World Congress in EM & CritCare Ultrasound**, Dubai, UAE 2019.
- Invited Faculty . **Resuscitative TEE Workshop** . 14th World Congress in EM & Critical Care Ultrasound , Dubai , UAE
- Course Director, **Advanced Critical Care Ultrasound**, Taichung , Taiwan .January 2019.
- Speaker and Fasilitator, **Advanced Ultrasound Life Support** , Chulalongkon University , Bangkok , January 2019.
- Speaker and Fasilitator, **Basic Ultrasound Life Support** , Male , Maldives , March 2019.
- Speaker, “ Role of ultrasound in acute respiratory distress”. International symposium on Rapid Response System.**ISRRS 2019** in conjunction with Australian/ New Zealand Intensive Care Conference (ANZIC), SUNTEC ,Singapore, April 2018.
- Speaker, “ Ultrasound Guided Percardiocentesis”. **International Conference in Emergency Medicine (ICEM) 2019**, COEX , Seoul , Korea , 12-14th June 2019.
- Plenary Speaker , : **The 26th Asia Pacific Symposium on Critical Care and Emergency Medicine 2019** , August , The Stones Hotel, Kuta , Bali, Indonesia
- Course Director, **Advanced emergency & Critical Care Ultrasound**, Chinese Medical University , Taichung ,Taiwan .

November 2019

- Course Coordinator, **Basic Intensive Care Ultrasound**, Department of Intensive Care , UNS , Surakarta , Solo, Indonesia. 18th -19th January 2020.
- Speaker, **Society of Emergency Medicine Annual Scientific Meeting 2020** , Singapore . 21st-23th February 2020.
- Invited Speaker, ‘ Role of airway ultrasound in EM & Critical Care” **Virtual WINFOCUS World Congress in EM & CritCare Ultrasound 2021** , June 2021.

Main Interests:

1. Critical Care Medicine (Invasive & Non-invasive ventilation).
2. Point of Care Ultrasound (POCUS) and Resuscitative Transesophageal Echocardiography (TEE) in critical care & emergency medicine.
3. Ultrasound-guided invasive procedures in emergency medicine/ critical care.
4. Clinical medical toxicology

Scientific Publications

1. **Helmet CPAP versus High Flow Nasal Cannula Oxygen in Acute Cardiogenic Pulmonary Edema: A Randomized Controlled Trial.** **Adi Osman** , MD ,Gabriele Via ,MD ·MD, Roslanuddin Mohd Sallehuddin, MD ,Azma Haryaty Ahmad, MD ,Sow Kai Fei ,MD , Azlizawati Azil, MD, Francesco Mojoli MD ,Chan Pei Fong ,MD ¹, Guido Tavazzi, MD, PhD . ***European Heart Journal*** -Acute Cardiovascular Care, (Accepted & pending publication Nov 2021)

2. Randomized Clinical Trial Comparing Helmet Continuous Positive Airway Pressure (hCPAP) to Facemask Continuous Positive Airway Pressure (fCPAP) for the Treatment of Acute Respiratory Failure in the Emergency Department. **Adi Osman**, G Via, SH Salleh, TW Chuan, J Ab Rahman et al. ***The American Journal of Emergency Medicine***, June 2021
3. Multi-organ point-of-care ultrasound for COVID-19 (PoCUS4COVID): international expert consensus. Arif Hussain , Gabriele Via , Lawrence Melniker , Alberto Goffi , Guido Tavazzi , Luca Neri , Tomas Ville ,Richard Hoppmann , Francesco Mojoli , Vicki Noble , Laurent Zieleskiewicz , Pablo Blanco , Irene W. Y. Ma , Mahathar Abd. Wahab , Abdulmohsen Alsaawi , Majid Al Salamah , Martin Balik , Diego Barca , Karim Bendjelid , Belaid Bouhemad , Pablo Bravo-Figueroa , Raoul Breitzkreutz , Juan Calderon , Jim Connolly , Roberto Copetti , Francesco Corradi , Anthony J. Dean , André Denault , Deepak Govil , Carmela Graci , Young-Rock Ha , Laura Hurtado ,Francis Lee , Rachel Liu , Massimiliano Meineri ,Toru Kameda , Michael Lanspa , Christian B. Laursen , Miguel Montorfano , Peiman Nazerian , Bret P. Nelson , Aleksandar N. Neskovic , Ramon Nogue , **Adi Osman** , José Pazeli , Elmo Pereira-Junior , Tomislav Petrovic , Emanuele Pivetta , Jan Poelaert , Susanna Price , Gregor Prosen , Shalim Rodriguez , Philippe Rola , Colin Royse , Yale Tung Chen , Mike Wells , Adrian Wong , Wang Xiaoting , Wang Zhen and Yaseen Arabi .***Critical Care** 24*, 702 (2020). <https://doi.org/10.1186/s13054-020-03369-5>
4. Effects of tranexamic acid on death, disability, vascular occlusive events and other morbidities in patients with acute traumatic brain injury (CRASH-3): a randomised, placebo-controlled trial,CRASH-3 Collaborators .***The Lancet***,Volume 394, Issue 10210,2019,

5. Brenner, A., Belli, A., Chaudhri, R. *et al.* Understanding the neuroprotective effect of tranexamic acid: an exploratory analysis of the CRASH-3 randomised trial. ***Critical Care*** 24, 560 (2020).
6. Pericardial decompression syndrome: A complication of pericardiocentesis. **Adi Osman**, Fong CP, Ahmad AH, Azil A, Ranga A, Panebianco N. ***American Journal of Emergency Medicine***. 2021 Jan 16:S0735-6757(21)00024-3. doi: 10.1016/j.ajem.2021.01.022. PMID: 33514476.
7. Shock Due To Superior Vena Cava Obstruction Detected With Point of Care Ultrasound. **Adi Osman**, Fong CP, Ahmad AH, Zuhani H, Panebianco N. ***American Journal of Emergency Medicine*** . Accepted March 2021 -Pending Publication
8. Resuscitative Transoesophageal Echocardiography In The Diagnosis Of Post-CABG Loculated Pericardial Clot Causing Cardiac Tamponade .**Adi Osman**, Fong CP, Ahmad AH, Azil A, Ranga A, Panebianco N. ***The Ultrasound Journal*** .Accepted March 2021 -Pending Publication
9. Transesophageal echocardiography at the golden hour: identification of blunt traumatic aortic injuries in the emergency department . **Adi Osman** , Chan Pei Fong , Shaik Farid Abdull Wahab, Nova Panebianco, Felipe Teran. ***The Journal of Emergency Medicine***. June 2020.<https://doi.org/10.1016/j.jemermed.2020.05.003>.
10. Usage of Airway Ultrasound as An Assessment Tool And Prediction Of Difficult Airway Management .**Adi Osman** , Chan Pei Fong , Kok Meng Sum. ***American Journal of Emergency Medicine***.14Sept2020.<https://doi.org/10.1016/j.ajem.2020.09.01>

11. Novel Role of Focused Airway Ultrasound in Early Airway Assessment of Suspected Laryngeal Trauma. **Osman Adi**, Kok Meng Sum , Azma Haryaty Ahmad , Mahathar Abd. Wahab, Luca Neri , Nova Panebianco. *The Ultrasound Journal* .Springer Open. The Ultrasound Journal 12 (1), 1-7. August 2020. /doi.org/10.1186/s13089-020-00186-3.
12. Man with trauma following motorcycle crash. **Adi Osman** , Azma HA, Janice LJY , Zulrushdi MY. *Journal American College of Emergency Physician (JACEP Open)*. August 2020. <https://doi.org/10.1002/emp2.12212>
13. Man with right shoulder pain. **Adi Osman** , Azma HA, Chan Pei Fong. *Journal American College of Emergency Physician (JACEP Open)*. Sept 2020. <https://doi.org/10.1002/emp2.12262>
14. Focused airway ultrasound: an armamentarium in future airway management. **Osman Adi**¹, Meng Sum Kok, Shaik Farid Abdull Wahab . *Journal of Emergency & Critical Care Medicine*. 2019;3:31. <http://dx.doi.org/10.21037/jeccm.2019.06.05>
15. Ultrasound-guided pericardiocentesis: a novel parasternal approach. **Adi Osman**, Tan Wan Chuan, Jamalludin Ab Rahman, Gabrielle Via, Guido Tavazzi. *European Journal of Emergency Medicine* 2018 Oct; 25 (5): 322-327. doi: 10.1097/MEJ.0000000000000562. PMID: PMC6727936.
16. Real time needle visualization pericardiocentesis in acute traumatic pericardial tamponade. **Adi Osman**, Azma Haryaty Ahmad. *Critical Care* 2018 22 (Suppl 1): 82.
17. A randomized comparative study of helmet CPAP versus facemask CPAP in acute respiratory failure (ARF) . **Adi Osman**, Siti Hapsah Salleh. *Critical Care* 2018 22 (Suppl 1): 82.

18. Fat embolism in right internal jugular vein: incidental ultrasound finding during internal jugular vein cannulation. **Adi Osman**, CP Fong, A Azil, SFA Wahab - *The Ultrasound Journal*, 2019 December 2019, 11:1DOI: [10.1186/s13089-019-0116-9](https://doi.org/10.1186/s13089-019-0116-9) .PMID: 31359296 .PMCID: PMC6638602.
19. Airway Ultrasound: The New Airway Management Tool .Adi Osman, Kok Meng Sum. *Malaysian Society Of Anaesthesiologists Yearbook* 2018.
20. Point of Care Transesophageal Echocardiography (TEE) in Early Diagnosis of Traumatic Aortic Injury (TAI) At Emergency Department. **Adi Osman**, Chan Pei Fong, Azma Haryaty Ahmad, Asri Ranga Abdullah. *Critical Care* 2019, 23(suppl 2).
21. Transesophageal Echocardiography In Identifying Posterior Lung Atelectasis And Monitoring Recruitment Manoeuvres. **Adi Osman**, Tan Wan Chuan ·Azlizawati Azil, Azma Haryaty Ahmad *Critical Care* 2019, 23(suppl 2).
22. Ineffective Left Ventricular Compressions and LVOT Compression During Chest Compressions in CPR: Resuscitative Transesophageal Echocardiography (TEE) Findings. **Adi Osman**, Hafis Sakan, Azma Haryaty Ahmad, Cheong Chee Yen, Asri Ranga Abdullah. *Critical Care* 2019, 23(suppl 2).
23. Ultrasound-guided Oblique Right Brachiocephalic Vein Central Venous Cannulation (CVC) In Adult: A Novel Approach. **Adi Osman**, Ramzuzaman Ismail, Chan Fei Fong, Azma Haryaty Ahmad, Hafis Sakan, Cheong Chee Yen. *Critical Care* 2019, 23(suppl 2).
24. Ultrasound guided interscalene branchial plexus block with low dose sedation –Technique of choice for reducing shoulder dislocation. Beh ZY, **Adi Osman**, Shahidan Fathil, Manoj

- Karmakar. *American Journal of Emergency Medicine*. 4 Jan 2018. PMID: 29310985. DOI:10.1016/j.ajem.2018.01.013.
25. Poor correlation between IVC variability and haematocrit level to determine intravascular volume status in spontaneous breathing adult with dengue fever. **Adi Osman**, Azma Haryaty Ahmad, Seri Rohayu Neow Hanzah, Emilia Mohtar Razali. *Critical Ultrasound Journal*, Dec 2017, 9(Supp 1): 28
 26. Pilot Study on Ultrasound Evaluation of Epiglottis Thickness in Normal Adult .**Adi Osman**, Azma Haryaty Ahmad, Azlizawati Azil, Raihan 'Aini Idris. *Critical Care* 2019, 23(suppl 2)
 27. Early Diagnosis of Pulmonary Embolism In Emergency Department: Role of Resuscitative Transesophageal Echocardiography. Azma Haryaty Ahmad, **Adi Osman**, Hafis Sakan, Cheong Chee Yen, Chan Fei Fong, Asri Rangga Abdullah. *Critical Ultrasound Journal* .2018.
 28. Role of Point of Care Ultrasound (PoCUS) Airway in Upper Airway Obstruction .Azma Haryaty Ahmad , Adi Osman , Azlizawati Azil , Cheong Chee Yen. *Critical Care* 2019, 23(suppl 2).
 29. Correlation of Lung Ultrasound B-lines and New York Heart Association (NYHA) Functional Classification in Congestive Heart Failure. **Adi Osman**, Cheong Chee Yen, Azma Haryaty Ahmad. *Critical Care* 2019, 23(suppl 2).
 30. Role of upper airway ultrasound in airway management. **Adi Osman**, Kok Meng Sum, *Journal of Intensive Care* (2016). 4 (1), 52.doi: 10.1186/s40560-016-0174-z
 31. A feasibility study on bedside upper airway ultrasonography compared to waveform capnography for verifying endotracheal tube location after intubation. **Adi Osman**, TW Chuan, M Rishya, *Critical Ultrasound Journal* (2013) SpringerOpen, 5 (1), 7.doi: 10.1186/2036-7902-5-7.

32. The Predictive Values of Clinical Criteria and Skull Fractures in Acute Management of Paediatric Minor Head Injury (Doctoral dissertation, Universiti Sains Malaysia) **Adi bin Osman** (2003)
33. Characteristics and clinical predictors of minor head injury in children presenting to two Malaysian accident and emergency departments HC Chan, WAW Aasim, NM Abdullah, NN Naing, JM Abdullah, **Adi Osman**. *Singapore Medical Journal* (2005). 46 (5), 219.
34. Early scan get the worms. Aida R, Adi Osman, Yusuf M , Cheong CY . *Malaysian Journal of Emergency Medicine* **2019**.
35. Preliminary report: A Randomized controlled trial comparing helmet CPAP VS high flow nasal cannula (HFNC) for treatment of acute cardiogenic pulmonary oedema in emergency department . **Adi Osman** , S Kai Fei, Azma HA , M Hafis Sakan . *Critical Care* 2019 ,23(Supp 2).

Book / Textbook Chapter

- 1) **Comprehensive Critical Care Ultrasound**
(Second Edition -2020)
Society of Critical Care Medicine (SCCM), USA.
Chapter 26: Airway Management. Adi Osman, MD; Kok Meng Sum, MD.
- 2) **Resuscitative TEE Textbook.**
(First edition -2020)
Felipe Teran, Bret Nelson and Rob Arntfield
Springer.
Chapter 13: Transesophageal Echocardiography evaluation of thoracic aorta. Adi Osman , MD ; Tomislav Jelic , MD.

Reviewer

1. BMC –Emergency Medicine
2. BMC –Anaesthesiology
3. Saudi Journal of Anaesthesia
4. The Ultrasound Journal
5. Scandinavian Journal of Emergency Medicine
6. European Journal of Emergency Medicine
7. Malaysian Journal of Emergency Medicine
8. Emergency Medical Journal
9. Clinical Otorhinolaryngology
10. Clinical Cardiology
11. Annals of Singapore Medical Journal
12. Journal of Emergency Medicine

On-Going Project and Research

- a. A prospective study on ultrasound-guided low branchiocephalic vein cannulation –A Novel Approach –
Principal Investigator
Status – In Progress

- b. The Correlation Between IVC and Hct to determine intravascular status in Dengue Patient With/Without Warning Signs – **Principal Investigator**
Status – In final phase of study.

- c. A prospective study on TEE in Severe Chest Trauma–
Principal Investigator
Status –Awaiting MREC approval

- d. Novel use of airway ultrasound for detection of subglottic secretion: Part of VAP microaspiration prevention.

Principal Investigator

Status –Awaiting MREC approval