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DR. ANIS SIHAM BINTI ZAINAL ABIDIN

OBJECTIVE

Summary of achievements

SKILLS

Leadership skills, Communication skills, Entrepreneurial skills.

STRENGTH: Problem solving; Critical Analysis, compassionate, technology inclined



LEADERSHIP EXPERIENCES

HEAD OF DEPARTMENT OF MEDICAL EDUCATION • FACULTY OF MEDICINE UITM • AUGUST 2020 - DATE

Lead, restructure and develop new concept of Medical Education in-line with technology advancement and situational needs during pandemic COVID-19. Currently handling post COVID teaching and learning innovative activities.

CONSULTANT PAEDIATRIC INTENSIVIST • FACULTY OF MEDICINE • OCT 2015 – DATE

Lead and single handedly developed public and privately funded 4- bedded Paediatric High Dependency Unit in Hospital Selayang with fund worth RM 1 million. Appointed Honorary Consultant for Pusat Perubatan University Malaya 2016-2017 and Honorary Consultant for Institute Paediatric Hospital Kuala Lumpur 2018 till September 2019 and Women and Children Hospital Kuala Lumpur September 2019 till date. Currently working in Hospital UiTM.

COORDINATOR FOR CLINICAL SIMULATION CENTRE • FACULTY OF MEDICINE • OCT 2019 – DATE

Lead, restructure and develop new concept of Clinical Simulation Centre. Create efficient modules for smart learning including Virtual Reality. Entrepreneurial by providing learning packages for private and public education. Developed international linkages for collaboration.

HEAD OF DEPARTMENT PAEDIATRIC • FACULTY OF MEDICINE UITM • SEPTEMBER 2015-2017; SEPTEMBER 2017- AUGUST 2020

Key responsibilities: staff recruitment and development, planning for new university hospital, designing new Master and Doctorate programme, developing e-learning materials, departmental innovation and invention activities, community services and international linkages.



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Anis Zainal



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Anis Siham Zainal Abidin

Dr. Anis Siham binti Zainal Abidin

Head of Department of Medical Education

Faculty of Medicine

University Technology MARA

Coordinator of Clinical Skill Simulation Centre

Faculty of Medicine

University Technology MARA

Consultant Paediatric Intensivist

Hospital UiTM,

Hospital Selayang, Selangor

Hospital Sungai Buloh, Selangor

Women and Children Hospital, Kuala Lumpur,
Malaysia

Dr Anis graduated with Bachelor in Medicine and Bachelor in Surgery (MBBS) in 2002 and Master of Paediatrics in 2010 at University of Malaya, Kuala Lumpur, Malaysia. She started her professional training in Paediatric Intensive Care (PICU) at University Malaya Medical Centre, Institute of Paediatrics Kuala Lumpur and National Heart Institute (IJN) Malaysia from 2012 till 2014. She continued her training in PICU in Birmingham Children's Hospital, United Kingdom from November 2014 till May 2015.

She came back to Malaysia in 2015 and became the head of Paediatric Department in University Technology MARA(UiTM) from 2015 till date. She planned the departmental activities and coordinated the infrastructure development of the new University Hospital (Hospital Pengajar UiTM). She started the new 'Master in Paediatric' programme in UiTM and designed the first national 'Doctorate in Paediatrics' programme for training of paediatricians in the country. She has made visits to the Royal Children Hospital, University of Melbourne and Monash Medical Centre with the intent of collaboration and transfer of knowledge in October 2019. She is currently working closely with both world- renowned children hospital for further international collaboration and links.

Her major interests are in PICU registry, rehabilitation, high flow nasal cannula and mechanical ventilation. She is the national education committee for PICU and is involved in organizing courses for example PICU Masterclass, PICUBASIC and Ultrasound course (PERCUSS). She is a trainer for PICU trainees in the Women and Children's Hospital Kuala Lumpur.

She has won various awards for invention and innovation which includes developing a simple CPAP device to be used in the United Nation camps in Kutupalong camp, Cox Bazaar, Bangladesh; a new web-based database software for Malaysian PICU registry and using electronic Paediatric Early Warning Score (E-Pews) for patients in Emergency department, wards and Paediatric High Dependency Unit (PHDU).

She setup a new 4-bedded PHDU service in Hospital Selayang under the 'Blue Ocean Strategy' between UiTM and Ministry of Health in January 2017. The unit was developed with a seed money from UiTM and subsequently running using private and public donation. The contribution made via of 'Tabung Amanah Pediatrik' Faculty of Medicine has reached more than RM800,000 in the form of medical equipment assets and consumables fund. The unit is now has been running for 3 consecutive years and seeing around 300 admissions per year. PHDU UiTM/Hospital Selayang has achieved great advancement in caring for sick children including reducing the paediatric hospital mortality by 75%.

In July 2019 she was given a new portfolio to lead Clinical Skill Simulation Centre in the faculty. Apart from developing a new curriculum for the undergraduates including Virtual and Augmented Reality, using of workplace- based assessment for medical students and using latest health technology for example ultrasound to aid learning. She is also responsible for the sub-specialty, postgraduate and allied health training. Dr Anis has also created

collaborative links for simulation training with the National University of Singapore and Monash Medical Centre, Melbourne Australia.

In November 2019, Dr Anis has organized a comprehensive "International Clinical Research Workshop" (ICRW) in collaboration between Faculty of Medicine UiTM with VAMED Training Sdn Bhd and University of Melbourne/Royal Children Hospital Melbourne and Murdoch Children Research Institute. Dr Anis has completed the 'UK Harvard Clinical Research Course' in 2016. She is also an active researcher and apart from PICU related studies, she is currently doing work on severe dengue in children. To date, she has participated in international studies with investigators from University of Arizona, US; Hamad Medical Centre, Qatar; University of Montreal and Ottawa, Canada and National University of Singapore.

Recently in August 2020, Dr Anis has been appointed as the head of Medical Education Department. She has done transformation with the concept of 'Technology Enhanced Clinical Teaching' (TECEL). She has converted the 'Kursus Asas Pengajaran' (KAP) to fully online and developed a technology team called 'Medical Education Technology Team' (METT). She has started the training of trainers (TOT) series for lecturers and training of learners (TOL) series for students to align the teaching and learning activities in the faculty. She has developed the audio-visual suite for broadcasting and podcasting among lecturers and students. She setup the Students Production House and is the advisor for students' e-magazine 'NEOCARDIA'. Currently she is co-producing a podcast series called 'Medical Mixtapes'.

Dr Anis is also active as the member of Malaysian Paediatric Intensive Care Society, she is the secretary of the organization. She is the editor of the manual for Malaysian Paediatric Life Support for provider and instructor. She is an active trainer for paediatric life support courses and has developed a national online clinical information system called PEDICARE. She is currently developing the teleconferencing tool for paediatric ICU.

The most recent achievement by Dr Anis is to be awarded the 'Anugerah Pengajaran 2020', a prestigious award representing the most excellent lecturer for the whole 23 campuses of UiTM. This is for all the work in reforming medical education with innovative teaching and learning activities leveraging on digital technology. This includes the usage of clinical simulation centre (CSC) in Campus Sg Buloh UiTM and Campus Selayang UiTM. Dr Anis has developed the CSC from empty spaces till currently equipped with infrastructure for clinical training for all level of healthcare professional from support staff (Nurses, Medical assistants), medical students, postgraduate students as well as subspecialists. She is currently developing hybrid (online and onsite) training modules for life support courses including Adult Life Support (ALS), Malaysian Paediatric Life Support (MPLS) and Neonatal Resuscitation Programme (NRP).

Among her other interests are community outreach programmes including developing the first national children safety programme for children aged 4-12 years old, humanitarian missions for the underprivileged in Malaysia as well as in other countries for example Cambodia, Bangladesh and Syrian border in Turkey. During the flood disaster in Shah Alam December 2021, Dr Anis was active in medical aid via NGOs namely MERCY, MEDICAID and IMARET. She helped the flood victims in Shah Alam, Hulu Langat, Puchong and Padang Jawa area.

Curriculum Vitae Academic

Name	Dr. Anis Siham Binti Zainal Abidin
Appointment status	6 June 2005
Academic position	Senior Lecturer (DU56) Faculty of Medicine, University Technology MARA, Malaysia
Qualifications and granting institution	<ol style="list-style-type: none">1. BA Of Medicine & BA Of Surgery (MBBS), University Malaya2. Master In Paediatrics (MMed), Universiti Malaya3. Fellowship in Paediatric Intensive Care, Birmingham UK
Citizenship	Malaysian
Years of work experience	20 years Current Hospital: <ol style="list-style-type: none">1. Hospital UiTM/Pusat Perubatan UiTM (PPUiTM)2. UiTM Private Specialist Centre3. Hospital Selayang4. Hospital Sungai Buloh5. Women and Children Hospital (HTA), Kuala Lumpur
Current academic responsibilities	<ol style="list-style-type: none">1. Head of Department of Medical Education2. Coordinator of Clinical Skills & Simulation Centre3. Head of PICU UiTM
Research interest and projects	<ol style="list-style-type: none">1. PICU registry2. Mortality tools in PICU3. Advanced ventilation strategies4. Non-invasive ventilation5. Children with special needs6. Severe dengue in children7. Paediatric Early Warning Score (PEWS)

Innovation and academic awards	<ol style="list-style-type: none"> 1. AKRI (Anugerah Khas YB Menteri Pendidikan) 2019. Collaboration with University of Malaya. Category alternative assessment. 2. LITEC (International Learning Improvement and Teaching Enhancement Conference) 2019: GOLD winner for 'The Entrustable Professional Activities (EPA) as a tool for learning and assessment for entry into a Malaysian Professional Paediatrics Postgraduate programme'. 3. Selangor EXPO 2019 (Electronic PEWS): Top 5 award for R&D 4. liDEX 2019 (Electronic PEWS; SafeKidSaveLife): GOLD & BRONZE 5. Innovation Day Faculty of Medicine 2019: (Electronic
	<p>PEWS; SafeKidSaveLife): GOLD & GOLD</p> <ol style="list-style-type: none"> 6. liDEX 2018 (Aquapap): Bronze 7. Innovation day Faculty of Medicine 2018 (Aquapap): GOLD 8. liDEX 2017 (Pedicare): GOLD
Major recent proceedings, publications and book chapter	<p>2019</p> <p>ASMIC poster presentation: PICU Rehab Sensory module</p> <p>2018</p> <p>Hussain Imam, Ng Hoong Phak, Terrence Thomas. PAEDIATRIC PROTOCOL FOR MALAYSIAN HOSPITALS 4TH EDITION. Chapter written on Anaphylaxis, Fluid & Electrolytes, Common Poison.</p> <p>2017</p> <p>Ismail.I, Yap.B.W, Abidin.A.S.Z, Evaluation of risk factors for prolonged invasive mechanical ventilation in paediatric intensive care unit (picu). Pertanika Journal of Science and Technology. Vol 25; Issues 3. Pg 811-824</p> <p>2016</p> <p>Anis Siham Binti Zainal Abidin (dr.), Mazidah Binti Noordin (dr.), Nor Azizah Binti Abu (dr.), Noor Shafina Binti Mohd Nor (dr.), "Herd Immunity Or Heard Not Of Immunity?", Journal Of Clinical And Health Sciences , Faculty of Medicine UiTM, pageno : 4, vol : 1,issues : 2</p> <p>Nor Azizah Binti Abu (dr.), Fadzilah Binti Mohd Nor @ Ghazali</p>

	<p>(dr), Mariam Bt Mohamad (dr.), Anis Siham Binti Zainal Abidin (dr.), Noor Shafina Binti Mohd Nor (dr.),, "Community-acquired Bacteremia In Paediatrics : Epidemiology , Aetiology And Patterns Of Antimicrobial Resistance In A Tertiary Care Centre , Malaysia", Medical Journal Of Malaysia, Malaysian Medical Association, pageno : 117, vol : 71,issues : 3</p> <p>2015</p> <p>Anis Siham Binti Zainal Abidin (dr.),, "Impact Of Infection Control Training For Interns On Picu-acquired Bloodstream Infections In A Middle Income Country", Singapore Medical Journal , Singapore Medical Association, pageno : 502-512, vol : 56,issues : 9</p>
Involvement in professional organisations	<p>Malaysian Paediatric Associations</p> <p>Society of Paediatric Resuscitation</p>

Participation in continuing education and community service	<p>Annual Scientific Meeting of Intensive Care (ASMIC) 2016, 2017, 2018, 2019 – speaker and facilitator</p> <p>2016-2019</p> <p>Speakers for various CME talks in Hospital Tengku Ampuan Rahimah, Klang; Hospital Selayang; Hospital Shah Alam; Hospital Sungai Buloh; Hospital Putrajaya; Hospital Kuala Terengganu; Hospital Seremban</p>
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GRANTS

No	Title (Project code)	Role (principle / co-researcher)	Sponsorship	Duration (year)	Status On-going/ Completed
1.	Assessment of Risk of Mortality in Malaysian Pediatric Intensive Care Units and establishing a clinical database (PEDICARE) 600-RMI/ERGS 5/3 (63/2011)	Principle	ERGS 1st Cycle 2011 RM186,000	2 Years	Completed
2.	Assessment of Risk of Mortality in Malaysian Pediatric Intensive Care Units and Establishing a Clinical Database (PEDICARE) 100-RMI/SF 16/6/2 (22/2012)	Principle	E-SCIENCE RM194,000	2 Years	Completed
3.	Sexual History Taking: Are Malaysian Medical Students Prepared?	Co-Reseache	RMI-DANA	1 Years	Completed

	600-RMI/ST/DANA 5/3/Dst (308/2011)	r	KECE MERLA NGAN RM10,0 00		
4.	Environmental Tobacco Smoke: Mechanism of Serum Cotinine and Heavy Metals Transmaternal Transmission, Risk Model and Fetal Impact. 600-RMI/RAGS 5/3 (114/2012)	Co- researcher	RAGS 2012 RM80,0 00	2 Years + Extend 1 Years	Completed
5.	Risk Factors Of Overweight And Obesity In Children And Associated Obesity- Related Comorbidities 600-RMI/Dana 5/3/LESTARI(60/2015)	Co- Research er	LESTA RI 2015 RM20,0 00	2Years	On-Going
6.	Exploring complementary approaches for training and treatment of autism spectrum disorders MULTI-, INTER- DAN TRANSDISIPLIN (MITRA)	Co- Research er	2017 RM31,0 00	2 Years	On-going
Total					RM521,000

PUBLICATIONS

Authorship	Year	Title	Reference	Journal
Sajjad ur Rahman, Fuat Emre Canpolat, Mehmet Yekta Oncel, Abdurrahman Evli, Ugur Dilmen,..Anis Siham, Melek Akar	2015	Multicentre Randomized Control Trial of Therapeutic Hypothermia plus Magnesium Sulphate vs Therapeutic Hypothermia plus placebo in he management of Term and Near term Infants with Hypoxic Islamic Encephalopathy (The MAGCOOL Study)	VOL 4, ISS 3, JULY-SEPTEMBER 2015	JOURNAL OF CLINICAL NEONATOLOGY
Weiss SL*, Fitzgerald JC*, Pappachan J, Wheeler D, Jaramillo-Bustamante JC, Salloo A, Singhi SC, Erickson S, Roy JA, Bush JL, Nadkarni VM, Thomas NJ for the SPROUT Study Investigators and Pediatric Acute Lung Injury and Sepsis Investigators (PALISI) Network.	2015	Global Epidemiology of Paediatric Sepsis; The sepsis prevalence, Outcomes and Therapies study	VOL 191, LSS 10, PP1147-1157 MAY 2015	AMERICAN JOURNAL OF RESPIRATORY CRITICAL CARE
Vineya Rai, Chin Seng	2016	Device associated	VOL 31, ISS	CANADIAN

Gan, Victor.D.Rosenthal, Mohd Shahnaz Hasan...Anis SIham Zainal Abidin, Mazuin Kamarul Zaman		infection and Mortality Rates, bacterial resistance and length of stay in hospitals in Malaysia; International Nosocomial Infection Control Consortium (INICC) findings	2, 107-112	JOURNAL OF INFECTION CONTROL
Lin, J.C., Spinella, P.C., Fitzgerald, J.C., (...), Sherring, C., Bushell, T.	2017	New or Progressive Multiple Organ Dysfunction Syndrome in Pediatric Severe Sepsis: A Sepsis Phenotype With Higher Morbidity and Mortality	VOL 18, ISS 1, PG 8-16	Pediatric Critical Care Medicine

Author	Year	Title	Conference	Page
Anis siham, hasri samion, khairul faizah khalid	2012	Assessment of the paediatric index mortality 2 (pim2) in a tertiary paediatric cardiac centre	Asia pacific paediatric cardiac society	Pg 64
A.s.zainal abidin, l.c.lum, c.s.gan,s.f.tang, s.l.chuah,k.h.teh	2018	Epidemiology of death in paediatric intensive care (picu) in a developing country	World federation of pediatric intensive care conference	Picc8-0340
A.s.zainal abidin, t.arumugam, m.i.yasmin.ilyas, s.a.ishak, s.w.lew, y.l.mdyusof,n.mohamed ranai, n.i.mkamarudin, s.c.kev lim	2018	Feeding practises in children with acute respiratory distress high flow nasal canula	World federation of pediatric intensive care conference	Picc8-0514
A.s.zainal abidin, t.arumugam, m.i.yasmin.ilyas, s.a.ishak, s.w.lew, y.l.mdyusof,n.mohamed ranai, n.i.mkamarudin, s.c.kev lim	2018	Safety profile of children on high flow nasal canula	World federation of pediatric intensive care conference	Picc8-0557
A.s.zainal abidin, t.arumugam, m.i.yasmin.ilyas, s.a.ishak, s.w.lew, y.l.mdyusof,n.mohamed ranai, n.i.mkamarudin, s.c.kev lim	2018	Clinical outcome of high flow nasal canal in general paediatric ward in hospital without picu	World federation of pediatric intensive care conference singapore	Picc8-0410
A.s.zainal abidin, f. Khalid, r.msaid	2014	Evaluation of infusion prostaglandin (pge2) versus infusion of prostaglandin (pge1) in management of duct dependent pulmonary circulation congenital heart disease	World federation of pediatric intensive care conference turkey	Pg 192, no 1231

A.zainal, lcs.lum, n.ismail, m.sabri	2011	Assessment of mortality prediction tools in paediatric intensive care ummc and establishing a novel paediatric intensive care registry	World federation of pediatric intensive care conference sydney	A166. No 47
Anis siham zainal abidin, keat sim ng, fatimah harun, rokiah pendek	2008	Clinical presentation of children and adolescents with type 2 diabetes mellitus in malaysia	The 5th biennial scientific meeting, appes, seoul korea	Pg 66, p14-04

Author	Year	Topic	Publication place	Publisher
HUSSAIN IMAM HAJI MUHAMMAD ISMAL, NG HOONG PHAK, TERRENCE THOMAS Co-author: Anis Siham	2018	PAEDIATRIC PROTOCOL FOR MALAYSIAN HOSPITALS 4TH EDITION	KUALA LUMPUR	KEMENTERIAN KESIHATAN MALAYSIA

Author	Year	Title	References	Journal
Ismail.I, Yap.B.W, Abidin.A.S.Z,	2017	EVALUATION OF RISK FACTORS FOR PROLONGED INVASIVE MECHANICAL VENTILATION IN PAEDIATRIC INTENSIVE CARE UNIT (PICU)	VOL 25; ISSUES 3. PG 811-824	PERTANIKA JOURNAL OF SCIENCE AND TECHNOLOGY
Anis Siham Binti Zainal Abidin (dr.), Mazidah Binti Noordin (dr.), Nor Azizah Binti Abu (dr.), Noor Shafina Binti Mohd Nor (dr.),,	2016	Herd Immunity Or Heard Not Of Immunity?	Page no : 4, vol : 1, issue : 2	Journal Of Clinical And Health Sciences , Faculty of Medicine UiTM
Noor Shafina Binti Mohd Nor (dr.), Nor Azizah Binti Abu (dr.), Mohammad Abdur Rashid (dr), Faisal Bin Mohd Fadzli (dr.), Mohamad Ikhsan Bin Selamat (dr.), Hafizah Binti Zainuddin @ Abdul Wahab (dr), Anis Siham Binti Zainal Abidin (dr.), Raja Khuzaiyah Bt Raja Abd Razak(dato' Dr.),Wan Jazilah Wan Ismail	2015	"BACTERIAL PATHOGENS AND ANTIBIOTIC RESISTANCE PATTERNS IN CHILDREN WITH URINARY TRACT INFECTION IN A MALAYSIAN TERTIARY HOSPITAL",	VOL : 70,ISSUES : 3, PG 127- 131,	MEDICAL JOURNAL OF MALAYSIA,

Anis Siham Binti Zainal Abidin (dr.)...	2015	Impact Of Infection Control Training For Interns On Picu-acquired Bloodstream Infections In A Middle Income Country	pageno : 502-512, vol : 56,issues : 9	Singapore Medical Journal
Nor Azizah Binti Abu (dr.), Fadzilah Binti Mohd Nor @ Ghazali (dr), Mariam Bt Mohamad (dr.), Anis Siham Binti Zainal Abidin (dr.) , Noor Shafina Binti Mohd Nor (dr.),,	2016	COMMUNITY-ACQUIRED BACTEREMIA IN PAEDIATRICS : EPIDEMIOLOGY , AETIOLOGY AND PATTERNS OF ANTIMICROBIAL RESISTANCE IN A TERTIARY CARE CENTRE , MALAYSIA	VOL 71, ISS 3, PG 117	MEDICAL JOURNAL OF MALAYSIA,

Author	Year	Title	Conference	Page
Tilagavahti Arumugam, Yasmin Ilyas, Siti Akma Ishak, Anis Zainal	2017	EFFECTIVENESS OF NIV IN ACUTE RESPIRATORY DISTRESS CHILDREN IN HOSPITAL WITHOUT PICU	MALAYSIAN PAEDIATRIC ASSOCIATION ANNUAL CONGRESS	35

No.	National/International Recognition
1	National Paediatric Postgraduate Curriculum committee
2.	National Trainer for Advanced Paediatric Life Support courses
4.	Committee member for working group for Autistic children UiTM
3.	NSR Paediatric Intensivist

Ongoing research activities

No.	Current research activities
1	Early usage of High Flow Nasal Cannula (HFNC) in Emergency department using EIS for severity assessment
2.	Case series on usage of HFNC in other non infectious respiratory illness and cardiac illnesses
3.	Using electrical Impedance tomography in invasive and non-invasive ventilation in children
4.	Nutrition practice and outcomes for children on NIV (NPO on NIV study). Collaboration with University of Arizona
5..	Usage of Neonatal Infant Parasympathetic Evaluation (NIPE) and Analgesic Nociceptive Index (ANI) in ventilated children