



## **HIGHLIGHTS**

- ◆ Advanced skills in echocardiography as a non-invasive imaging in pediatric cardiology
- ◆ Experience in Transthoracic, 3D Echocardiography, Transesophageal and Fetal echocardiography
- ◆ Vast knowledge in general paediatrics and pediatric cardiology
- ◆ Well-developed experience in teaching and supervision of medical students, pediatric trainee and sonographers.
- ◆ Excellent teamwork and a good team player
- ◆ Excellent leadership skills

## **EDUCATION**

**Bachelor of Medicine and Surgery (MBBS)** Dec 1999  
*University of Queensland, Australia*

## **SPECIALTY AND SUBSPECIALTY TRAINING**

**Master of Pediatrics(MPaeds)** Jun 2004-Jun 2009  
*University of Malaya*

**Clinical Specialist/Paediatric Cardiology Fellow** Jan 2010 – Dec 2011  
*University Malaya Medical Centre & Institut Jantung Negara*

**Clinical Research Fellowship Echocardiography** Sept 2012-Sept 2014  
*University of Alberta/Stollery Children's Hospital, Edmonton, Canada*

## **PRESENTATION AT CONFERENCES:**

- ◆ Malaysian Pediatric Association Annual Meeting 2010 – Vein of Galen Malformation
- ◆ Asia Pacific Cardiology Congress Taipei 2012 – ASD and Pulmonary Hypertension in Adult is Potentially Treatable
- ◆ American Heart Association (AHA) Scientific Meeting Dallas, Texas, USA 2013 – Three-Dimensional Echocardiography Identifies Early Valve Failure in Pediatric and Congenital Heart Disease

- ◆ American Society Echocardiography (ASE) Scientific Meeting, Portland USA 2014 – A Longitudinal Study of Ventricular Function in Hypoplastic Left Heart Syndrome from birth to Fontan completion
- ◆ American Society Echocardiography (ASE) Scientific Meeting Portland USA 2014 – Reduced Active Atrial Function is associated with RV mechanical dyssynchrony and impaired relaxation in HLHS: A Prospective Study
- ◆ American Society Echocardiography (ASE) Scientific Meeting Boston USA 2015 – Evaluation of Myocardial Function using tilt-table echocardiography and MRI T2\* in children with hemoglobinopathies
- ◆ 23<sup>rd</sup> Regional Congress of the Perinatal Society of Malaysia 2016 Kuala Lumpur – Conjoined twins: When different needs matter
- ◆ 6<sup>th</sup> Congress of the Asia-Pacific Pediatric Cardiac Society Shanghai, China 2016 – Award competition presentation title Essential Role of Contrast Echocardiography in PAVM in Children
- ◆ 7<sup>th</sup> World Congress Paediatric Cardiology & Cardiac Surgery, Barcelona 2017 – Clinical Characteristics Comparison Between Classical and Atypical Kawasaki Disease In UMMC
- ◆ 7<sup>th</sup> Congress of the Asia-Pacific Pediatric Cardiac Society Bali, Indonesia 2018 – Survival in Down Syndrome with Congenital Heart Disease in Middle Income Country

**Award:**

- ◆ Best Oral Presentation at 6<sup>th</sup> Congress of Asia-Pacific Pediatric cardiac Society Shanghai, China 2016
- ◆ Hadiah Latihan Cuti Belajar 2012 to 2014 – Clinical Research Fellowship Echocardiography Training at Stollery Children’s Hospital/Mazankowski Alberta Heart Institute, Edmonton, Canada
- ◆ Sijil Perkhidmatan Cemerlang Universiti Malaya 2020
- ◆ Gold award at IIDEX 2021 (Title: Early learning with DOTS)

**Publication :**

1. Three-Dimensional Echocardiography Identifies Early Valve Failure in Pediatric and Congenital Heart Disease
2. Impaired single right ventricular function compared to single left ventricles during the early stages of palliation: A longitudinal study. Journal of American Society of Echocardiography (JASE) 2017
3. Progressive Pulmonary Vein Stenosis in Down Syndrome Infant: A Rare Cause of Pulmonary Hypertension. Malaysian Medical Journal 2018
4. Essential Value of Contrast Echocardiography In Diffuse Pulmonary Arteriovenous Malformation In Children. International Journal of Pediatrics 2017
6. The Survival and Associated Risk Factors for Mortality of Infant with Critical Congenital Heart Disease in Developing Country – Pediatric Cardiology 2017
7. The birth prevalence, severity and Temporal Trends of congenital heart disease in the middle-income country: A population-based study – Congenital Heart Disease 2018

8. Ten-year trend in prevalence and outcome of Down Syndrome with congenital heart disease in middle – income country –European Journal of Pediatrics 2019
9. Tilt-Table Echocardiography Unmasks early diastolic dysfunction in patients with hemoglobinopathies – J Pediatr Hematol Oncol 2020
10. Cardiac tamponade from peripherally-inserted central venous catheter in neonates – Three case reports – Medical Journal of Malaysia 2021
11. Pediatric Rheumatic Heart Disease in a Middle-income Country: A Population-Based Study – Journal of Tropical Pediatrics 2022

## **PROFESSIONAL EXPERIENCE**

<b>Head of Paediatric Cardiology Unit UMMC</b>	<b>October 2018 - present</b>
<b>Consultant Pediatric Cardiologist</b>	Sept 2014 – present
<i>UMMC, Kuala Lumpur, Malaysia</i>	
<b>Clinical Research Fellow Echocardiography</b>	Sept 2012 – Sept 2014
<i>Stollery Children’s Hospital, University of Alberta, Edmonton, Canada</i>	
<b>Clinical Specialist</b>	Jan 2011 – Dec 2011
<i>Institut Jantung Negara, Kuala Lumpur, Malaysia</i>	
<b>Pediatrician</b>	Jun 2009 – present
<i>UMMC, Kuala Lumpur, Malaysia</i>	

### **Hospital/University level**

- ◆ Members of Quality Improvement for Medication Safety Pilot Study
- ◆ Members of UMMC Medication Safety
- ◆ Coordinator for Master of Paediatric Program
- ◆ Established fetal echocardiography service and paediatric echocardiography in UMMC
- ◆ Thesis examiner for Master of Pediatrics
- ◆ Medication committee for Root cause analysis for medication error
- ◆ Teaching faculty for undergraduate and postgraduate students and clinical specialist

### **National level**

- Committee expert for Infective Endocarditis National Clinical Practise Guideline (launch April 2017)
- Teaching faculty for National Heart Association Malaysia Basic Echocardiography Certification Course (from 2015 till present)
- Teaching faculty at 1<sup>st</sup> NHAM Cardiology Fellow Course, UITM Sungai Buloh(January 2017)
- Teaching faculty at 2<sup>nd</sup> NHAM Cardiology Fellow Course, PPUM, Kuala Lumpur (January,2018)
- Teaching faculty for Basic Echocardiography at Paediatric Department, Hospital Shah Alam(from 2016 till present)
- Teaching faculty Basic Echocardiography MPCS and MPA (2015 till present)

- Chairman for Imaging Taskforce for Malaysian Paediatric Cardiac Society 2018 till present
- Scientific chairperson for annual scientific meeting Malaysian Paediatric Cardiac Society 2019
- Committee member for Malaysian Paediatric Cardiac Society 2018 till present
- Committee member for Subspecialty Subcommittee for Education for Pediatric Cardiology (Medical Education Committee, Malaysian Medical Council) for Paediatric Cardiology
- Courses organized:
  - Klang Valley & Selangor State Paediatric Cardiology Grand Round at Faculty of Medicine, University Malaya Nov 2011
  - Hands on Echocardiography Workshop with Dr. Norman Silverman; Organising Chairman in Nov, 2015, Organising Committee Dec 2016
  - Basic Hands on Echocardiography Workshop at UMMC (organised with MPA and MPCS) 2015
  - NHAM Annual Scientific Meeting Organising Committee 2016,2017, 2018(Co-chairperson)
  - MPCS Paediatric Cardiology Symposium 2019 –Organising Chairperson
  - MPCS Virtual Paediatric Cardiology Symposium 2021 – Committee member

### **PROFESSIONAL ORGANIZATIONS**

1. Malaysian Pediatric Association (MPA) Life member
2. National Heart Association Malaysia (NHAM) Ordinary member
3. Academy of Medicine of Malaysia Ordinary member
4. Majlis Profesor Negara