

MEET OUR DOCTORS

DR. MUGILAN SUNDARAJOO (P.J.K)

Consultant Cardiologist

P.J.K, MBBS (Manipal), MRCP (London), FRCP (Edinburgh), FACC (USA), FAPSC (Asia Pacific), AM (MAL), BSCC/BSCCT (UK), EAPCI (EU), HFA (ESC), EECC (EU), Fellowship in Interventional Cardiology (Complex Coronary Intervention & Peripheral Vascular) – Institut Jantung Negara

MMC No.: 57035 | NSR No.: 136669

Location

Level 5, Room 501

Language: English | B. Melayu | Tamil
B. Indonesia



Clinic Operating Hours

Monday - Friday	8:30am to 5:30pm
Saturday	8:30am to 1:00pm
Sunday and Public Holidays	Closed

To make an appointment

+604 217 5588 / +6012 501 5413

<https://nhearthospital.com>

Dr. Mugilan Sundarajoo is an internal medical physician and interventional cardiologist with over 15 years of clinical experience across both hospital and outpatient settings. He has particular expertise in complex coronary interventions, including complex high-risk indicated procedures (CHIP), chronic total occlusions (CTO), and peripheral vascular interventions. His extensive experience and technical proficiency make him a valuable asset in managing highly complex cardiovascular cases.

Before joining Northern Heart Hospital Penang, Dr. Mugilan served at the Institut Jantung Negara (IJN) in Kuala Lumpur, Malaysia's national referral centre for cardiovascular care, where he was a key member of the complex intervention team. During his tenure at IJN, he performed regular high-risk procedures and played a significant role in advancing the institute's capabilities in interventional cardiology. He completed his cardiology training in June 2023 and is registered with the National Specialist Registry (NSR) in both Internal Medicine and Cardiology. He has also undergone clinical attachment subspecialising in complex CHIP and CTO, PCI in Sapporo Cardiovascular Clinic & Toyohashi Heart Hospital, Japan and the National Taiwan University Hospital, NTUH, Taiwan.

Dr. Mugilan has carried out over 1,000 coronary angiographies and angioplasties, including elective, primary, and rescue procedures. He is certified in a range of advanced techniques, such as orbital atherectomy (OAS), rotablation, intravascular ultrasound (IVUS), optical coherence tomography (OCT), and Micra™ leadless pacemaker implantation – an advanced procedure offered in only a handful of centres globally. His live case demonstrations with renowned operators in the region have been broadcast to audiences in countries including Thailand, Singapore, China, South Korea, and Japan.

A regular speaker at both national and international conferences, Dr. Mugilan is also a regional Key opinion leader (KOL) in intravascular imaging and drug-coated balloon technologies. He remains actively involved in mentoring local and international fellows, contributing to the growth of the next generation of interventional cardiologists.

PUBLICATIONS

- **Journal of American College of Cardiology (JACC)**
 - “Drilling Through History” – A case of calcified Left Main Stem bifurcation lesion with Rotablation in a high-bleeding-risk patient
 - “The Bermuda Triangle” – The OCT Contrast Swirl in the Left Main Stem That Kept Everyone Wondering
 - “The Squid Game”- IVUS Guided Angioplasty in a Case of Spontaneous Coronary Artery Dissection Presenting with Ventricular Tachycardia Post COVID-19 Infection
 - Percutaneous Coronary Intervention in Elderly Population: Asian Perspective
 - Revolutionizing Recovery: The CERAB chronicles in High-Risk PCI
 - Shocking the Uncrackable Calcium
- **Journal of Society for Cardiovascular Angiography & Interventions (JSCAI)**
 - “Do Women Truly Have Worse Outcomes?” – A propensity-matched analysis of PCI outcomes in unprotected LMS disease (Presented in Atlanta, USA)
 - De Novo Large Vessel Coronary Artery Disease in Diabetic Patients treated with Paclitaxel Drug-eluting Balloon (DEB) – A Single Centre Experience
- **European Heart Journal (EHJ)**
 - “Impact of SARS-CoV2 Pandemic on Acute STEMI Care and Clinical Outcomes” (2022)
 - The I4RON-HF study, Intravenous Iron Isomaltoside for Inpatients veRsus Outpatient Asians with Heart Failure
- **International Journal of Cardiology**
 - “Single-centre experience of transcatheter aortic valve implantation in severe aortic stenosis (2009–2021)”
 - The ACTual culprit
- **Medical Journal of Malaysia (MJM)**
 - “A Case of Probable Sporadic Creutzfeldt-Jacob Disease in a Tertiary Care Hospital in Malaysia” (December 2018)
- **Journal of Asina Pacific Society of Cardiology**
 - Impact of Post-Percutaneous Coronary Intervention Quantitative Flow Ratio of De Novo Coronary Artery Lesions Treated with Drug Coated Balloons: The QUADRIC study

AFFILIATIONS

- Malaysian Medical Academy Member (MMA)
- National Heart Association Member (NHAM)
- Royal College of Physicians (RCP)- London & Edinburgh
- Interventional Cardiology Society Malaysia Member (ICSM)
- European Society of Cardiology Professional Member (ESC)
- American College of Cardiology Member (ACC)
- SCAI- Society for Cardiovascular Angiography & Interventions Young Member (Fellow's Club)
- Society of Cardiovascular Computed Tomography (SCCT)
- Member European Heart Failure Association (HFA)
- European Association of Preventive Cardiology (EAPC)
- Academy of Medicine of Malaysia
- Manipal Alumni
- National Kidney Foundation Lifetime

AWARDS & RECOGNITION

- Awarded the Pingat Jasa Kebaktian (Medal of Honour for Service) – P.J.K. by the Yang di-Pertua Negeri Pulau Pinang, Tun Dato' Seri Utama Ahmad Fuzi bin Haji Abdul Razak in 2022, in recognition of contributions to society.
- Received the Anugerah Perkhidmatan Cemerlang (Excellent Service Award) in both 2014 and 2015, for outstanding contributions in the field of medicine.
- Selected for inclusion in “Successful People in Malaysia” (5th Edition, 2024) published by the British Publishing House.
- Winner, Best Case Presenter – CTO PLUS (New York) and German CTO & CHIP Meeting, 2024.
- Winner, Best Case Presenter in two sessions at Hong Kong STENT, 2024.
- Winner, “Cardiology Got Talent” Interventional Cardiology Competition by Orbus Neich, 2022.
- Winner, “Best of Malaysia” Case Competition, MyLIVE 2022.
- Runner-up, AngioClub 2022 Case Competition.
- Runner-up and Top 4 Finalist, Interventional Case Competition, ISICAM Jakarta.
- Winner, Best Case Presentation, SingLIVE Singapore, 2023.