URL: <http://www.nhc.com.sg/>

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| **Vision**  To be a renowned organization at the leading edge of medicine, providing quality healthcare to meet our nation's aspirations.  **Mission**  The National Heart Centre is dedicated to providing excellence in healthcare as the national and regional referral centre for cardiovascular disease through cost-effective and best care possible at the best value. This will be achieved through our clinical services, teaching, research and training. | http://www.nhc.com.sg/NR/rdonlyres/1FD5235E-27DD-4C5B-AD1F-34F8AAF8E4A8/7479/NHC_bldg1.jpg |

**Core Values**

Compassion

* Show empathy in interactions with patients and colleagues.
* Value and care for all individuals, be sensitive to their needs and responsive in a timely manner.

**Goals**

* To provide high-quality cardiovascular care for Singaporeans.
* To establish National Heart Centre as a regional centre for clinical referral in various sub-specialties.
* To provide a centre of excellence for post-graduate training in cardiovascular medicine.
* To develop National Heart Centre into an institution with significant international reputation for clinical service and research.

**Services:**

**Department of Cardiology:**

Clinical Cardiology

* Coronary care unit
* Intermediate care unit
* Inpatient cardiac care
* Telemetry monitoring
* Specialist outpatient clinics
* Exercise stress testing
* Ambulatory blood pressure monitoring
* Cardiovascular magnetic resonance imaging

Cardiac Arrhythmia Services

Non-Invasive Cardiac Arrhythmia Services:

* Cardiac arrhythmia and pacemaker clinic
* 24-hour ECG monitoring
* Signal averaging
* Tilt table testing
* Transtelephonic monitoring

Invasive Cardiac Arrhythmia Services:

* Intracardiac diagnostic electrophysiology investigations
* Therapeutic catheter ablation of supraventricular and ventricular arrhythmias
* Permanent pacemaker implantation
* Implantable cardioverter defibrillator implantation

Invasive Diagnostic and Interventional Services

* Cardiac catheterisation
* Coronary angiography
* Myocardial biopsies
* Coronary angioplasty, directional atherectomy, rotational atherectomy and stent implantation
* Intravascular ultrasound imaging (IVUS)
* Mitral valvuloplasty
* Intraaortic balloon counterpulsation
* Percutaneous cardiopulmonary bypass
* Percutaneous device closure of secundum atrial septal defect / patent foramen ovale
* Percutaneous balloon pulmonary valvuplasty

Echocardiography (Imaging and Haemodynamics)

* Transthoracic-echocardiography studies
* Transoesophageal echocardiography
* Stress echocardiography – exercise
* Stress echocardiography – pharmacologic
* 3D echocardiography

Nuclear Cardiology

* Nuclear stress/rest perfusion scans
* Rest and exercise gated blood pool scans
* Rest-redistribution thallium imaging

Advanced Non-Invasive Cardiovascular Imaging  
  
Multi-Slice Computed Tomography

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| * CT Angiogram * Calcium Score |



**Department of cardiothoracic:**

Cardiac Surgery

* Conventional coronary artery bypass graft surgery
* Off-pump/ beating heart surgery
* Heart valve heart surgery
* Surgery for congenital heart disease
* Maze surgery for abnormal heart rhythm
* Left ventricular reconstructive surgery (also known as Dor or Saver surgery)
* Heart transplantation for patients with end-stage heart disease

Thoracic Surgery

* Lung resection for tumours
* Minimally invasive thoracoscopic procedures
* Lung volume reduction surgery
* Lung transplantation

Aortic and Peripheral Vascular Surgery

* Thoracic aorta surgery
* Abdominal aortic aneurysm surgery
* Surgery for acute and chronic arterial disorders
* Creation of arterio-venous fistulae for dialysis

Mechanical heart assist device

* Left ventricular assist device (LVAD)
* Biventricular assist device (BIVAD)
* Extra-corporeal membrane oxygenation (ECMO)



**Department of Cardiothoracic Anaesthesia**

**Department of Cardiac Radiology:**

Diagnostic Cardiovascular Imaging

* Multi-slice cardiovascular and thoracic computed tomography
* 1.5 T cardiovascular MRI including magnetic resonance angiography

Interventional Peripheral Radiology

* Diagnostic angiography and right heart cardiac catheterisation
* Peripheral and aortic angioplasty, fibrinolysis and stent implantation
* Advanced neurovascular intervention including coil embolisation



**Doctors credentials:**



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| A/Prof Koh Tian Hai |
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| *Medical Director, National Heart Centre Singapore  Senior Consultant , Department of Cardiology  MBBS, MMed (Int Med)*  A/Prof Koh Tian Hai is the Medical Director and Senior Consultant, Department of Cardiology, National Heart Centre Singapore.  He graduated with his Bachelor of Medicine and Surgery in 1976 and his Master of Medicine (Internal Medicine) in 1982 from the National University of Singapore.  A/Prof Koh took over the Medical Directorship of NHC in 2003.  He has been the course director for the Singapore LIVE Course since 2003. This flagship event of NHC, an international cardiology conference showcasing the latest interventional techniques in cardiac and peripheral procedures, attracts a large number of medical professionals from around the world to Singapore every year.  A/Prof Koh is also a faculty member for most major Asia-Pacific interventional meetings, regularly delivering lectures and/or performing live angioplasty demonstrations in the countries including Malaysia, Indonesia, Myanmar, Vietnam, India, Hong Kong, Taiwan, China, South Korea, Japan and Australia.  His subspecialty interest is in interventional cardiology and has extensive experience in interventional techniques, including the use of atherectomy and valvuloplasty procedures with a special interest in acute myocardial infarction interventions. |



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| Dr Terrance Chua |
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| *National Heart Centre Singapore Deputy Medical Director Director (Non-Invasive Laboratory)  Senior Consultant, Department of Cardiology MBBS, MRCP(UK), M Med (Int Med), FRCP(Lond), FAMS, FRCPE, FACC(USA)*  Dr Terrance Chua is the Deputy Medical Director, Director, Non-Invasive Laboratory and Senior Consultant, Department of Cardiology at the National Heart Centre Singapore.    He graduated with his Bachelor of Medicine and Surgery in 1983 and his Masters of Medicine (Internal Medicine) in 1987 from the National University of Singapore. Shortly after, he obtained his Membership of the Royal College of Physicians (United Kingdom) in 1988.    Dr Chua did his Fellowship in Nuclear Cardiology at the Cedars-Sinai Medical Centre, Los Angeles, USA in 1992.    He received his Certification in Nuclear Cardiology from the Certification Board of Nuclear Cardiology, the American Society of Nuclear Cardiology, USA in 1997.    In addition, Dr Chua is a Fellow of the American College of Cardiology, USA since 2001; Fellow of the Royal College of Physicians, Edinburgh, UK since 2000; Fellow of the Royal College of Physicians, London, UK since 1999; and Fellow of the Academy of Medicine (Cardiology), Singapore since 1994.    A strong advocate in research and training, Dr Chua published numerous papers and abstracts and is one of the top five "medical mentors" based on SingHealth Junior Doctors Survey in 2005. His spirit of dedication, sacrifice and valour has also won him the prestigious "Healthcare Humanity Award" in 2005.    Dr Chua’s sub-specialty interest is in nuclear cardiology. |



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| Dr Lim Soo Teik |
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| *National Heart Centre Singapore*  *Head & Senior Consultant, Department of Cardiology Director, Interventional Cardiology MBBS, MMed (Internal Medicine), MRCP (UK), FRCP (Edin), FAMS*  Dr Lim Soo Teik is the Head and Senior Consultant, Department of Cardiology and the Director of Interventional Cardiology with the National Heart Centre Singapore.  He graduated with his Bachelor of Medicine and Surgery in 1989 and his Master of Medicine (Internal Medicine) in 1993 from the National University of Singapore.  Dr Lim has been a Member of Royal College of Physician, Edinburgh, UK since 1993; Fellow of the Academy of Medicine Singapore since 2000 and Fellow of the Royal College of Physicians, Edinburgh, UK since 2004.  He completed his fellowship in Interventional Cardiology at the William Beaumont Hospital, Royal Oak, Michigan, USA in 1999 and Peripheral Vascular Intervention at the St. Elizabeth Hospital, Boston, Massachusetts, USA in 2000.  Dr Lim is active in clinical research and has published many papers on his works. He is also a caring clinician who has won numerous internal and external service awards.  Dr Lim’s subspecialty interest is in interventional cardiology. He specialises in coronary angioplasty and stenting, as well as peripheral vascular interventional treatment for diseases in carotid, renal, iliac and lower limb vessels. Additionally, he has a special interest in the management of pulmonary hypertension, dyslipidemia and hypertension. |

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| Dr. Aaron Wong Sung Lung  *MBBS, MRCP* |

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| Dr. Amy Ng Suah Hoon  *MBBS, M Med (Int Med)* |

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| Dr. Bernard Kwok Wing Kuin  *MBBS, M Med (Int Med), MRCP, FAMS* |

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| Dr. Chuah Seng Chye  *MBBS, MRCP (UK), FRCP (Edin)* |

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| Dr. Ding Zee Pin  *MBBS, M Med (Int Med), FAMS* |

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| Dr. Felix Keng Yung Jih  *MBBS, M MED (Int Med), FRCP(Edin), FRCP(London), FAMS(Cardiology), Certificate Board of Nuclear Cardiology* |

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| Dr. Johan Bin Abdullah  *MBBS, FAMS, FRACP, FACC, FCCP, Dip. Card, DPMB, PPA* |

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| Dr. Kurugulasigamoney Gunasegaran  *MBBS, M Med (Int Med)* |

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| Dr. Lee Chung Yin  *MBBS, M Med (Int Med), FAMS* |

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| A/Prof Philip Wong En Hou  *MBBS, MRCP(UK), FRCP, FAMS* |

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| Dr. Tan Ju Le  *MBBS, MRCP, FAMS* |

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| A/Prof Tan Ru San  *MBBS, MRCP, FAMS* |

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| Dr. Teo Wee Siong  *MBBS, MRCP(UK), FRCP(Edin), FAMS, M Med (Int Med), FACC(USA)* |

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| Dr. Ching Chi Keong  *MBBS, MRCP(UK)* |

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| Dr. Ho Kah Leng  *MBBS (Hons, Australia), MRCP, M Med (Int Med)* |

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| Dr. Jack Tan Wei Chieh  *MBBS (S'pore), M Med (Int Med), MRCP (UK), FAMS, ACSM Exercise Specialist* |

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| Dr. Paul Chiam Toon Lim  *MBBS(S'pore), M Med (Int Med), MRCP(UK), FAMS (S'pore), FACC (USA)* |

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| Dr. Reginald Liew Kay Choon  *MA (Cantab), MBBS (Hons), PhD (Lond), MRCP (UK), CCT Cardiology (UK)* |

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| Dr. Stanley Chia  *MBChB(Edin), MD, MRCP(UK), FAMS* |

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| Dr. Tan Swee Yaw  *MBChB(Edin), MRCP (UK, Edin)* |

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| Dr. Rohit Khurana  *MA (Oxon), BMBCh, PhD (Lond), MRCP (UK)* |

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| Dr. Chin Chee Tang  *MBChB (Hons), MRCP (UK)* |

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| Dr. David Sim Kheng Leng  *MBBS (S'pore), MRCP (UK), M Med (Int Med)* |

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| Dr. Ewe See Hooi  *MBBS (Sydney), MRCP (UK)* |

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| Dr. Ho Kay Woon  *MBBS(S'pore), MRCP(UK), M Med (Int Med)* |

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| Dr. Lim Bee Chian  *M.D. (with Honours) USM, MRCP (UK), M Med (Int Med) S'pore* |

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| Dr. Peter Ting  *MBBS (S'pore), MRCP (Edin)* |

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| Dr. See Chai Keat  *MBBS(Malaya), MRCP(UK), FAMS* |

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| Dr. Tan Boon Yew  *MBChB(UK, Sheffield), MRCP(UK)* |

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| Dr. Tang Hak Chiaw  *MBBS, MRCP(UK)* |

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| Dr. Ang Chin Yong  *MD (Canada), Dip ABIM (Int Med)(USA)* |

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| Dr. Angela Koh Su-Mei  *MBBS (S'pore), M Med (Int Med), MRCP (UK)* |

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| Dr. Aung Than Htike  *MBBS (Rangoon), MRCP (UK)* |

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| Dr. Calvin Chin Woon Loong  *M.D (USA), MRCP (Edinburgh, UK)* |

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| Dr. Chee Fang Yee  *MBBS, MRCP (UK)* |

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| Dr. Daniel Chong Thuan Tee  *MBBS (S'pore), MRCP (UK)* |

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| Dr. Julian Tan Ko Beng  *MBBS (S'pore), M Med (Int Med), MRCP (UK)* |

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| Dr. Kenneth Guo Wei Qiang  *MBBS (S'pore), M Med (Int Med), MRCP (UK)* |

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| Dr. Leow Khang Leng  *MBChB (Sheffield), MRCP (UK)* |

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| Dr. Leslie Tay  *BSc. (Hons), MBChB (UK), MRCP (UK)* |

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| Dr. Wong Siong Sung  *MD (Unimas), MRCP (UK), MRCPS (Glasg)* |

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| Dr. Charles Chan Wah Hak Nien-Shen  *MB BCh (Ireland), MRCP (UK), FAMS, FRCP (Edin)* |

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| Dr. Chee Tek Siong  *MBBS (Malaya), M Med (Int Med)* |

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| Dr. Chuang Hsuan Hung  *MBBS, MRCP (UK), M Med (Int Med), FAMS* |

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| Dr. Dinesh Nair  *MB BCh BAO (NUI), MRCP (UK)* |

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| Dr. Hsu Li Fern  *MBBS, MRCP (UK), FAMS, FRCP (Edin), FESC* |

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| Dr. Jayaram Lingamanaicker  *MBBS (Madras), MRCP (UK), FRCP (London), FAMS* |

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| Dr. Jimmy Gordon Lim Tien Wei  *MB ChB (Leicester), MRCP (UK)* |

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| Dr. Kam Ming Li Ruth  *MBBS, MRCP (UK), M Med (Int Med)* |

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| Dr. Kenneth Ng Kwan Chung  *MBBS, M Med (Int Med), MRCP (UK)* |

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| Dr. Kenneth Tan Hock Soon  *MBBS, M.Med (Anaes), MRCP (UK), FCCP* |

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| Dr. Lau Kean Wah  *MBBS, M Med (Int Med)* |

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| Dr. Ng Chee Keong  *MBBS, MRCP (UK), DIP CCNC (USA)* |

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| Dr. Susan Quek Swee San  *MBBS, M Med (Int Med), FAMS* |

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| Dr. Tan Kok Soon  *MB BCh BAO (Dublin), MRCP (Ireland), MRCP (UK)* |

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| Dr. Victor Lim Yen Teak  *MB ChB (Glas), MRCP (UK), FAMS, FAPSIC, FRCP (Edin)* |

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| Prof. Wong Keng Yean  *MBBS, M Med (Paed)* |

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| |  | | --- | | Cardiothoracic Surgery | |

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| Asst Prof Sin Yoong Kong  *MBBS, FRCS (Edin), FAMS, RPVI* |

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| Dr. Chua Yeow Leng  *MBBS, FRCS (Glasg & Edin) M Med (Surgery), FAMS* |

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| Dr. Lim Chong Hee  *MBBS, FRCS (Edin), FAMS* |

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| Dr. Lim See Lim  *MBBS, FRCS (Edin & Glasg), FAMS* |

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| Dr. Tan Teing Ee  *MBBS, FRCS (Edin), FAMS* |

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| Dr. Lim Yeong Phang  *MA, MB, Bchir, FRCS (Edin & Glasg), FAMS* |

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| Dr. Victor Chao Tar Toong  *MBBS, FRCS (Edin), FRCSCTh, FAMS, RPVI, RVT* |

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| Dr. Soon Jia Lin  *MBBS, (Melbourne), M Med (Surgery), MRCS (Edin), FRCSCTh (Edin)* |

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| Dr. Su Jang Wen  *MBBS (Aust), MRCS (Edin), M Med (Surgery), FRCSCTh (Edin), FAMS* |

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| Dr. Loh Yee Jim  *MBBS (S'pore), MRCS (Edin), M Med (Surgery)* |

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| Dr. Mathew Chakaramakkil Jose  *MBBS, MS (GS), FRCS (Glasg), Mch, DNB* |

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| Dr. Nakao Masakazu  *MD (Japan), MRCS* |

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| Dr. Senthil Kumar Subbian  *MBBS, MRCS* |

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| Dr. Agasthian T  *MBBS, M Med (Surgery), FRCS (Edin & Glasg)* |

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| Dr. C. Sivathasan  *MBBS, FRCS, FRCSEd, FAMS* |

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| A/Prof Eugene Sim Kwang Wei  *MBBS, FRCSEd, FRCS, FAMS* |

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| Dr. Jagadesan Raghuram  *MB BCh BAO, MRCP* |

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| Dr. Koong Heng Nung  *MBBS, FRCSEd, M Med* |

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| Prof Lee Chuan Neng  *MBBS, M Med, FRCS, FRCSEd, FRACS, FAMS* |

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| A/prof Michael George Caleb  *MBBS, M. Med (Surgery), FRCS (Edin), FAMS* |

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| Dr. Ong Kim Kiat  *MBBS, FRCSEd, FAMS* |

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| Dr. Phua Ghee Chee  *MBBS, MRCP, M Med* |

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| Dr. Sriram Shankar  *MBBS, FRCS, FAMS* |

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| Dr. Tan Yong Seng  *MBBS, FRCSEd* |

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| Dr. Tong Ming Chuan  *MBBS, FRCS, FRACS, FAMS* |

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| |  | | --- | | Cardiac Radiology | |

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| Dr. Cheah Foong Koon  *MBChB (Edin), MRCP (UK), FRCR* |

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| Dr Maung Myint Htoo  *MB BChir, MRCP, DMRD, FRCR* |

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| A/Prof Tan Bien Soo  *MBBS, FRCR, FAMS (Radiology)* |

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| A/Prof Tay Kiang Hiong  *MBBS, FRCR* |

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| Dr. Winston Lim Eng Hoe  *MBBS, FRCR, FAMS (Radiology)* |

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| Dr. Huang Yung Shui John  *MB ChB (Glasgow), MRCP (UK), FRCR (UK)* |

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| |  | | --- | | Head, Cardiothoracic Anaesthesia | |

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| A/Prof Hwang Nian Chih  *MBBS, FFARCSI, FAMS* |

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| Dr. Chew Tsong Huey Sophia  *MBBS, M Med (Anaes), FANZCA, FAMS* |

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| Dr. Goh Meng Huat  *MBBS, M Med (Anaes), FANZCA* |

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| Dr. Kong Chee Fai  *MBBS, M Med (Anaes)* |

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| Dr. Leong Choy Kuen  *MBBS, M Med (Anaes), FAMS* |

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| A/Prof Ong Biauw Chi  *MBBS, M Med (Anaes), FAMS* |

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| Dr. Ruban Poopalalingam  *MBBS, M Med (Anaes)* |

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| Dr. Teo Li Ming  *MBBS, M Med (Anaes)* |

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| Dr. Ho Whei Wern Lorraine |

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| Dr. See Tho Ving Yuen @ Shireen Adam Abdullah  *MB BCh, M Med (Anaes)* |

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| Dr. Ku Chih Min  *MBBS, M Med (Anaes)* |

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| Dr. Ong Kah Chuan  *MBBS, M Med (Anaes)* |

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| |  | | --- | | Heart & Lung Transplant | |

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| |  | | --- | | Co-Director | |

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| Dr. Sivathasan C  *MBBS, FRCS (Eng/Edin), FAMS* |

**Contact Us**

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