

Bangkok Heart Hospital launches next-gen cardiac surgery programme

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Including MICS CABG and Totally 3D Endoscopic Valve Surgery



Bangkok Heart Hospital is ushering in a new era of cardiac innovation with the introduction of two advanced surgical techniques: Minimally Invasive Coronary Artery Bypass Grafting (MICS CABG) and Totally 3D Endoscopic Valve Surgery. This marks a strategic milestone as the hospital, Thailand's first private heart centre, celebrates its 20th anniversary with a renewed commitment to precision medicine and regional leadership in minimally invasive cardiac care.

MICS CABG, led by cardiovascular surgeon Dr Nuttapon Arayawudhikul, allows surgeons to perform bypass procedures through a 7–10 cm incision between the ribs, avoiding the need to open the chest or use a heart-lung machine. This approach is ideal for patients with isolated left coronary artery disease and offers faster recovery with fewer complications.

The Totally 3D Endoscopic Valve Surgery programme, developed by Dr Paradorn Jetwanna, repairs or replaces valves through a 4–5 cm incision using high-resolution 3D imaging. Suitable for mitral and aortic valve procedures and even congenital defects like atrial septal defect (ASD), the technique improves surgical precision and accelerates recovery.

Bangkok Heart Hospital has invested in hybrid operating rooms (hybrid ORs), specialised surgical teams trained overseas, and fully integrated support systems for Thai, expat, and international patients. As part of BDMS, the hospital plans to expand MICS capabilities to other facilities in the network.