



**Damansara  
Specialist Hospital 2**



"Minimally invasive surgery is not just a technique — it is a philosophy."

**— Prof. Dr. Shahrul Amry Hashim**



# Discover the Benefits of Minimally Invasive Heart Valve Surgery

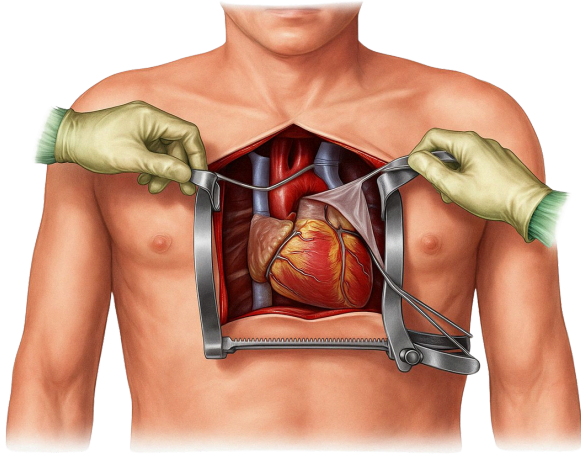
## **What Is Heart Valve Surgery?**

The heart has four valves that control blood flow. When one or more valves become damaged or diseased, surgery may be needed to repair or replace them.

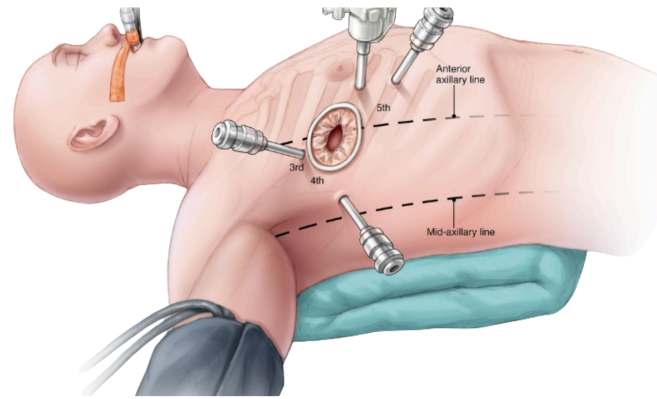
### *Minimally Invasive Heart Valve Surgery*

This approach uses smaller incisions and specialised techniques, avoiding the need for full open-heart surgery.

# Why Choose Minimally Invasive Heart Valve Surgery?



VS



Factor	Traditional Open-Heart	Keyhole (MICS) Surgery
Incision	✗ 20–25 cm sternotomy scar	✓ 3–5 cm keyhole incision
Chest Bone	✗ Bone split (sternotomy)	✓ No bone splitting required
Hospital Stay	✗ Longer hospital stay	✓ Reduced hospital stay
Recovery	✗ Extended recovery period	✓ Faster return to daily activities
Post-Op Pain	✗ Significant pain	✓ Significantly reduced pain
Infection Risk	✗ Higher sternal wound risk	✓ Reduced infection risk

# Understanding The Procedure

1

## Pre-Operative Preparation

Comprehensive evaluations and planning to tailor the surgery to your needs.

2

## The Surgical Process

Our surgeons use small incisions to access the heart and repair or replace the damaged valve

3

## Post-Operative Care

Detailed instructions and support for a smooth recovery.

4

## Recovery

Most patients experience a quicker return to normal activities compared to traditional surgery

# Frequently Asked Questions



## **Am I a candidate for keyhole heart valve surgery?**

Most patients with damaged or faulty heart valves are suitable. Your cardiologist and surgeon will assess your condition before recommending the best approach.



## **How long is the surgery?**

Typically 3–5 hours depending on the number of arteries being bypassed.



## **When can I go home?**

Most patients return home within 3–5 days after surgery.



## **Will I have a large scar?**

No. The incision is only 3–5 cm



## **When can I return to normal activities?**

Most patients resume light daily activities within 2–3 weeks and return to work within 4–6 weeks



## **Is keyhole Heart Valve Surgery surgery safe?**

Minimally invasive heart valve surgery is a well-established procedure. The smaller incision means reduced risk of wound infection and less trauma to the chest compared to traditional open-heart surgery.

# CONTACT INFORMATION



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