



**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 Coronary Artery Bypass Surgery

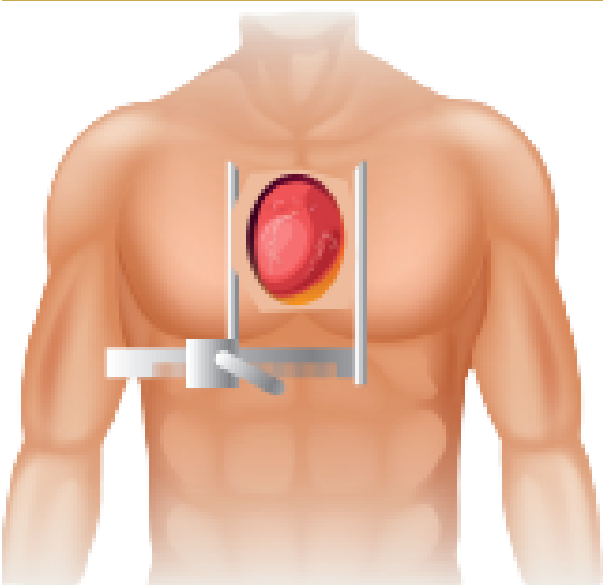
## What Is Coronary Artery Bypass Graft Surgery?

CABG is a surgical procedure that restores blood flow to the heart by redirecting blood around blocked or narrowed arteries. It is a key treatment for coronary artery disease, which can lead to heart attacks and other serious complications.

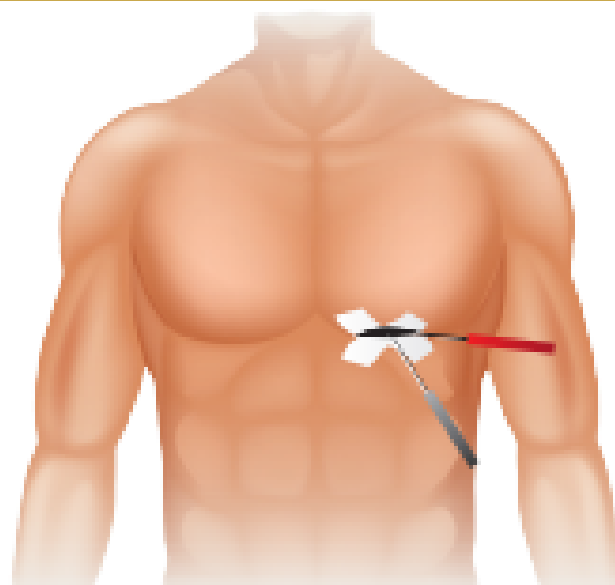
### Minimally Invasive CABG

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

# Why Choose Minimally Invasive CABG



VS



| Factor         | Traditional Open-Heart      | Keyhole (MICS) Surgery              |
|----------------|-----------------------------|-------------------------------------|
| Incision       | ✗ 20–25 cm sternotomy scar  | ✓ 3–7 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 graft new vessels to bypass blocked arteries.

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 bypass surgery?**

Most patients with blocked coronary arteries 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 3–7 cm – significantly smaller than traditional open-heart surgery.



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

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



## **Is keyhole bypass surgery safe?**

Minimally invasive bypass 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



+60 17-720 7691



[drshahrul.com](http://drshahrul.com)



[dsh2@kpjdamansara2.com](mailto:dsh2@kpjdamansara2.com)



Damansara Specialist Hospital 2, 1,  
Jalan Bukit Lanjan 3 Bukit Lanjan,  
Wilayah Persekutuan, 60000 Kuala  
Lumpur