

## What our patients say...



"I was to get married in near future & was diagnosed to have Mitral Stenosis. It was a great stress & shock to me. After getting MICS MVR, I am enjoying my marriage & life"

- *Shilpa (House Wife)*

"I love to wear fashionable dresses. After MICS ASD closure, I am still enjoying my previous lifestyle"

- *Manisha (College Girl)*



"I am an electrician working on daily wages. I underwent MICS-ASD closure & was back to work within 25 days with no discomfort or limitation. I am really happy"

- *Mohmad Sagir Mansuri (Electrician)*

"I came from South Africa for getting ASD closure by MICS procedure and I have started playing cricket after one month."

- *Nafuil Shaikh (South Africa)*



I specially came from USA for MICS Bypass. Without bone cutting through 4 inch cut, my surgery was done. Now, I feel very happy & healthy and I am back to New Jersey and working within one month.

- *Vrushank Desai (New Jersey, USA)*

## One Team for Total Heart Care

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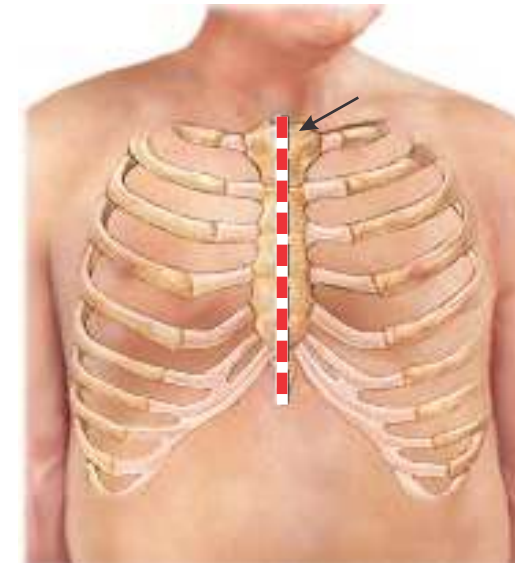
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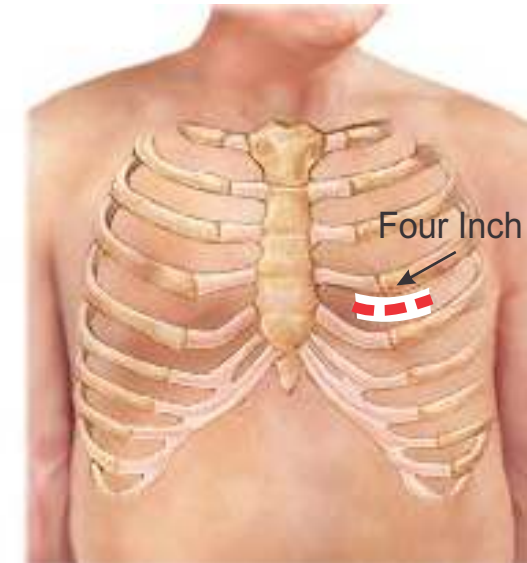


# CIMS CARDIAC SURGERY

## Routine Surgery



## Latest MICS Surgery



## Minimal Invasive Cardiac Surgery (MICS)



# Minimal Invasive Cardiac Surgery (MICS)

## What is MICS?

MICS stands for minimal invasive cardiac surgery.

Under the conventional heart surgery, the heart surgeon cuts the breast bone in the middle and performs the surgery. Under this surgery the cut/incision is longer.

Under MICS, heart surgery is performed by making a small incision (3-4 inches) as compared to the conventional 8-10 inches incision in the traditional bypass surgery. Unlike conventional surgery, which requires incision to separate the whole sternum (sternotomy) Breast Bone, MICS can be performed through a small incision, placed between ribs or partial division of sternum. This significantly reduces postoperative recovery phase and pain.

## What is the benefits of MICS?

- ◆ Smaller incision
- ◆ Faster recovery
- ◆ Less blood loss with fewer complications
- ◆ Lesser pain
- ◆ Shorter stay in the hospital
- ◆ Fewer physical restrictions, early resumption of their routine activities & return to their jobs - hence conservation of human resources
- ◆ Most important advantage is cosmetic. i.e. the 'Bikini Scar' which is practically invisible in young females.

## Which surgery can be performed by MICS Procedure?

Routine MICS surgeries :

- (1) ASD
- (2) Mitral valve repair / replacement
- (3) Aortic valve replacement
- (5) Selected cases of CABG
- (6) Hybrid CABG

## Is age any criteria for having MICS?

Normal MICS procedure is for young & middle age patients. Very old & octogenarian patients can be offered this MICS, provided his general condition is good.

In very young patients below 12 years of age, MICS is not advisable.

## Which patients cannot get undergo MICS?

Following patients cannot be offered or are high risk for MICS procedure:

- (1) Patient having very bad lungs
- (2) Patient with blocks in arteries of body
- (3) Multiple pathologies
- (4) Complicated cases

## Am I a candidate for this surgery?

Not all cardiac surgery patients can opt for MICS. CIMS Cardiac Surgery Team will review all diagnostic tests and then decide if you are eligible for MICS. All the advantages and disadvantages of MICS versus traditional surgery is reviewed for each patient before arriving at a conclusion. Your heart surgeon will decide whether you are candidate for MICS procedure

# Minimally Invasive Coronary Artery Surgery (MICS - Mini Bypass)

## Hybrid Bypass Surgery (Mini Bypass) :

Hybrid coronary bypass is a relatively new procedure and alternative to traditional bypass surgery that is defined by the performance of coronary bypass surgery of LIMA - LAD and coronary stenting to other arteries during the same sitting.

LIMA is the conduit which practically never gets blocked & LAD artery supplies 60-70 % of left ventricle. So, MICS CABG gives mortality & morbidity benefit in Coronary Artery Disease (CAD) patients. With this procedure, the recovery of patient is faster & can go back to work within 1 month.



LIMA to LAD

RCA Stenting