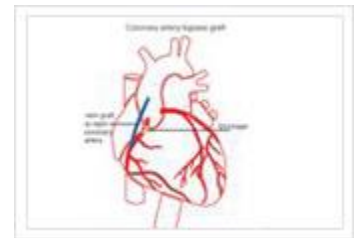


# Cardiac-Surgery-CABG

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**Asia Med Care** has collaborated with several hospitals in India for the best possible cardiac treatment with a team of highly trained and experienced cardiologists and Cardio-thoracic surgeons to ensure world class treatment, providing a rejuvenating and healing experience improving the lives of cardiac patients.

## CABG (Coronary Artery Bypass Graft Surgery)



Arteries carry blood from the heart to the rest of the body, and coronary arteries supply blood to the heart muscles. When the coronary artery gets blocked, a new channel is created to bypass the blockage, which is called bypass graft surgery. Coronary artery bypass graft (CABG) surgery reestablishes sufficient blood flow to deliver oxygen and nutrients to the heart muscle. The bypass graft for a CABG can be a vein from the leg or an inner chest wall artery.

The length of the surgery varies with each patient. However, it generally takes 4-6 hours from the time you enter the operating room.

## The Surgery:

The cardiac surgeon makes an incision down the middle of the chest and then saws through the breastbone (sternum). This procedure is called a median (middle) sternotomy (cutting of the sternum). The heart is cooled with iced salt water, while a preservative solution is injected into the heart arteries. This process minimizes damage caused by reduced blood flow during surgery and is referred to as "cardioplegia." Before bypass surgery can take place, a cardiopulmonary bypass must be established. Plastic tubes are placed in the right atrium to channel venous blood out of the body for passage through a plastic sheeting (membrane oxygenator) in the heart lung machine. The oxygenated blood is then returned to the body. The main aorta is clamped off (cross clamped) during CABG surgery to maintain a bloodless field and to allow bypasses to be connected to the aorta.

## Precaution:

It is important to walk every day. Begin walking for 5 minutes about 3-5 times a day, and gradually increase the distance so you're walking for 20 minutes.

- Do not lift anything heavy.
- Do not drive, until the surgeon advises (usually in 4-6 weeks).

- Do not engage in forceful movements.

## Risk and Complications:

Overall mortality related to CABG is 3-4%. During and shortly after CABG surgery, heart attacks occur in 5 to 10% of patients and are the main cause of death. About 5% of patients require exploration because of bleeding. This second surgery increases the risk of chest infection and lung complications. [Stroke](#) occurs in 1-2%, primarily in elderly patients. Mortality and complications increase with:

- age (older than 70 years),
- poor heart muscle function,
- disease obstructing the left main coronary artery,
- diabetes,
- chronic lung disease, and
- chronic [kidney failure](#).

Mortality may be higher in women, primarily due to their advanced age at the time of CABG surgery and smaller coronary arteries. Women develop coronary artery disease about 10 years later than men because of hormonal "protection" while they still regularly menstruate (although in women with risk factors for coronary artery disease, especially smoking, elevated lipids, and diabetes, the possibility for the development of coronary artery disease at a young age is very real). Women are generally of smaller stature than men, with smaller coronary arteries. These small arteries make CABG surgery technically more difficult and prolonged. The smaller vessels also decrease both short and long-term graft function.

## Benefits

- CABG significantly improves symptoms of angina, exercise capacity and reduce the need for medications. Overall quality of life improves significantly.
- It reduces chance of further heart attack.
- It significantly improves long term survival (10 yrs). Those with the most severe Coronary Artery Disease gain maximum from CABG operation

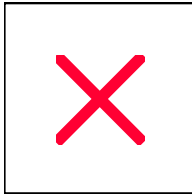
## Approximate cost for Medical Procedure – 12,200 USD

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**CUSTOMER SPEAK:**

Coronary Artery Disease, Open heart surgery, Heart Care, Heart Surgery in India, Hospitals in India, Coronary Artery Bypass Graft Surgery, CABG, Heart, Heart Surgery Hospital, Heart Hospital in India, Bypass Surgery, Beating Heart Surgery, Thoracic Surgery, Heart Transplants, Heart Valve Surgery, Heart Hospital, Cardiac Hospital, Medical Tourism, Cardiology, Heart Care, International Patient Service, Electrophysiology, Beating Heart Surgery.