

# Innovator



Dr Rahman has an almost 100 percent success rate in off-pump beating heart arterial bypass surgery.

**A** heart surgery is one of the most complicated procedures that requires both expertise and intensive postoperative care. Stressful lifestyles, bad diets and lack of exercise have increased the risk of heart disease of many Bangladeshis, especially those living in the city. Besides birth defects and valve replacements, the most common heart problem is caused by arterial blockages, which, if left untreated leads to a heart attack. A blockage occurs when the coronary artery (the artery

that supplies blood to the heart) gets constricted, usually because of cholesterol deposits. The heart gets deprived of blood supply and there is an intense pain in the chest. A bypass surgery is usually the only way to clear these blockages. Conventional bypass surgery requires the heart to be stopped and kept in ice. This is done using toxic medicines and stopping the heart and it carries a high amount of risk, especially for older patients and those with a weak heart, lung or kidney problems. A