

Off Pump Coronary Artery Bypass

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Off Pump Coronary Artery Bypass

Coronary artery bypass surgery, commonly known as CABG, is a type of heart surgery. Surgeons perform this type of surgery to bypass blockages in the coronary arteries. An "off-pump CABG" is a CABG performed without the use of a heart-lung machine (cardiopulmonary bypass). This means the heart continues to provide blood to the rest of the body during the surgery.

Off-Pump Coronary Artery Bypass Surgery | Johns Hopkins ...

Off-pump coronary artery bypass or "beating heart" surgery is a form of coronary artery bypass graft (CABG) surgery performed without cardiopulmonary bypass (heart-lung machine) as a treatment for coronary heart disease. It was primarily developed in the early 1990s by Dr. Amano Atsushi.

Off-pump coronary artery bypass - Wikipedia

Off-pump coronary artery bypass surgery may be performed in certain patients with coronary artery disease. With present technology, all arteries on the heart can be bypassed off-pump. It may be ideal for certain patients who are at increased risk for complications from cardiopulmonary bypass, such as those who have heavy aortic calcification, liver cirrhosis, or compromised pulmonary or renal function.

Off-Pump Bypass Surgery - Cleveland Clinic

Off-Pump Coronary Artery Bypass Surgery Coronary artery bypass surgery, also called coronary artery bypass graft (CABG), is used to route blood around hardened or narrowed portions of the coronary artery (coronary artery disease) to improve oxygen-rich blood supply to the heart muscle.

Off-Pump Coronary Artery Bypass Surgery

Beating heart bypass surgery is also called Off Pump Coronary Artery Bypass Surgery (OPCAB). Both OPCAB and conventional on-pump surgery restore blood flow to the heart. However, off-pump bypass surgery has proven to reduce side effects in certain types of patients. What Happens During Beating Heart Bypass Surgery?

Beating Heart Surgery or Off Pump Coronary Artery Bypass ...

Off-pump coronary artery bypass (OPCAB) is a technique of performing bypass surgery without the use of cardiopulmonary bypass (the heart-lung machine). Avoidance of aortic manipulation may be achieved through the "anaortic" or no-touch OPCAB technique, which has been shown to reduce stroke and mortality compared to on-pump CABG. [29]

Coronary artery bypass surgery - Wikipedia

Coronary-artery bypass grafting (CABG) has traditionally been performed with the use of cardiopulmonary bypass (on-pump CABG). CABG without cardiopulmonary bypass (off-pump CABG) might reduce the...

On-Pump versus Off-Pump Coronary-Artery Bypass Surgery | NEJM

Off-Pump Coronary Artery Bypass Grafting This type of surgery can be used to bypass any of the coronary (heart) arteries. Off-pump CABG also is called beating heart bypass grafting because the heart isn't stopped and a heart-lung bypass machine isn't used.

Cardiac Surgery - Coronary Artery Bypass Grafting (CABG)

If your coronary arteries are dangerously blocked, your doctor may recommend an operation to get around, or "bypass" the blockage. It's like taking an alternate route when your usual ride home is...

Coronary Artery Bypass Surgery: Purpose, Procedure, Risks ...

Coronary bypass surgery redirects blood around a section of a blocked or partially blocked artery in your heart. The procedure involves taking a healthy blood vessel from your leg, arm or chest and connecting it below and above the blocked arteries in your heart. With a new pathway, blood flow to the heart muscle improves.

Coronary bypass surgery - Mayo Clinic

Beating-heart, off-pump coronary artery bypass surgery does not require stopping the heart, which offers several benefits for the patient.

Beating-Heart, Off-Pump Coronary Artery Bypass Surgery ...

Off-pump coronary artery bypass. Mid-term results. Both in-hospital and mid-term results for off-pump CABG patients were acceptable. Isolated CABG can thus be safely performed without cardiopulmonary bypass. Advances in coronary stabilization have contributed to these improved results.

Off-pump coronary artery bypass. Mid-term results

Conventional CABG surgery uses cardiopulmonary bypass (CPB) to allow cardiac surgeons to operate on a motionless heart that has been arrested by means of cardioplegia.

Off-Pump Coronary Artery Bypass Surgery | Circulation

Off-pump coronary artery bypass surgery (OPCAB) has been performed for >30 years. The promotion of OPCAB was based on its potential benefits over some of the limitations of traditional on-pump coronary artery bypass surgery (ONCAB) by avoiding the trauma of cardiopulmonary bypass (CPB) and by minimizing aortic manipulation.

Off-Pump Coronary Artery Bypass Grafting: 30 Years of ...

Coronary artery bypass grafting with left internal mammary artery and right gastroepiploic artery, with and without bypass These results suggest that off-pump coronary artery bypass grafting using the left internal thoracic artery and gastroepiploic artery is safe even in high-risk patients.

Coronary artery bypass grafting with left internal mammary ...

Coronary-artery bypass grafting (CABG) surgery may be performed either with cardiopulmonary bypass (on pump) or without cardiopulmonary bypass (off pump). We report the 5-year clinical outcomes in...

Five-Year Outcomes after On-Pump and Off-Pump Coronary ...

For more detail: <http://www.annalscts.com/article/view/2420/3286>This is a case of a 61-year-old diabetic male who presented with severe triple vessel coronar...

Off-pump coronary artery bypass grafting using ...

In this video, the authors demonstrate off-pump coronary artery bypass with the bilateral internal thoracic artery for left main disease. Learn more: <https://...>

Off-Pump Coronary Artery Bypass With Bilateral Internal ...

Off-Pump Coronary Artery Bypass (OPCAB), also called "Beating Heart" surgery, is an operation to treat narrowed or blocked coronary arteries. This is accomplished by going around or "bypassing" the blocked artery with a healthy vessel called a "graft" that is taken from the leg, arm or chest.