

Off-pump coronary artery grafting in patients with reduced ejection fraction

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Abstract

The outcome of coronary artery bypass surgery depends on complete revascularization. In our paper, we attempt to demonstrate that Off-pump coronary artery bypass (OPCAB) is applicable to coronary heart disease patients with low LVEF. Low LVEF does not affect cardiac revascularization. Low LVEF is an independent risk factor for the outcome of CABG patients, but it does not mean that the OPCAB procedure leads to poor outcomes. In our hospital, we used on-pump CABG or conventional bypass surgery for coronary heart disease patients with low LVEF before 2010. With the accumulation of cases, OPCAB is now used in more than 95% of coronary artery bypass grafts in our center. Our data suggest that OPCAB is safe and reliable for patients with low LVEF.

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