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## Minimally invasive cardiac surgery-Where do we stand?

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Recognition of the significant advantages of minimizing surgical approach has resulted in a substantial increase in the number of minimally invasive cardiac surgical procedures being performed. Synchronously, technological advances in optics, instrumentation and perfusion technology have facilitated its adoption rate. This technology has been applied to many cardiac surgical procedures mitral valve repair, aortic valve replacement and coronary artery bypass grafting in 1 or 2-vessel disease patients. Meta-analyses and propensity matched comparisons have demonstrated the non-inferiority of minimally invasive cardiac surgery in low or intermediate risk patients. However, in advanced cardiac disease, these new surgical standards are not less invasive enough to reduce the cardiac risk of the procedure or the negative impact of the comorbidity factors, and it has opened the way of transcatheter techniques. The place of each option is presented and discussed.

### Biography

Olivier Jegaden is a Professor of Cardiac Surgery & the Head of the department at CHU of Lyon in France. He joined the Cleveland Clinic Abu Dhabi and is the Professor of Surgery in the Cleveland Clinic Lerner College of Medicine of Case Western Reserve University in Ohio, USA. He is currently working at Mediclinic Airport Road Hospital, UAE. He is an expert in total arterial revascularization for coronary disease, minimally invasive valve repair and transcatheter valve replacement.

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