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The evolution of cardiovascular surgery in elderly patients: Science and technology contribution

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Despite the dramatic increase of cardiac interventions in the cath lab, particularly in the elderly and in patients with compromised general health, a substantial percentage of overaged patients still require surgical treatment. The most common operations performed in the elderly are coronary bypass or valve surgery without comorbidities. According to a large body of literature on elderly patients, it appears that three factors are critical in determining the outcome: comorbidities, use of mammary artery and duration of extracorporeal circulation. In this presentation, we describe a double bypass and aortic valve replacement in a 92-year-old woman with comorbidities. It is possibly the eldest patient described who underwent a combined operation successfully thanks to the contribution of modern knowledge and technology achieving an excellent outcome.

Biography

Dimitrios Protogeros is a cardiac surgeon specialized in full Arterial Coronary Revascularization on a beating heart and Stem Cell Transplantation for ischemic heart failure. He is also an active participant and organizer of international collaborative projects. He has operated on over 5,000 adult heart patients between 1998 to present covering the entire range of cardio incidents including but not limited to coronary artery disease, heart valves, aneurysms, etc. Moreover, he has established a protocol for the heart team specialized on coronary artery bypass and implantation of mononuclear autologous pluripotent cells in patients suffering from ischemic heart failure. He was trained by Professor A M Calafiore and at present is Deputy Director of the 2nd Cardiac Surgery Clinic, Henry Dunant Hospital Center, Athens, Greece

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