

Current indication and practical management of percutaneous left ventricular assist device support therapy in Japan

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Abstract

Impella (Abiomed, Danvers, MA, USA) is a recently-innovated (commercially available from 2017 in Japan) percutaneous left ventricular assist device which is inserted percutaneously and transfers blood from the left ventricle to the ascending aorta, improving systemic circulation and end-organ dysfunction as well as unloading left ventricle in patients with cardiogenic shock. Impella has not yet shown a significant survival benefit in patients with cardiogenic shock compared to intra-aortic balloon pump in randomized control trials, but gives powerful circulatory support immediately with minimally invasive manner when used in appropriate patients at optimal timing with adequate management. In this review article, we will introduce and discuss optimal and practical management of Impella therapy in Japan.

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Biography

Makiko Nakamura was born in Japan in 1951. She was brought up by her Grandparents and started to paint at a very early age. Her Grandfather and her Uncle, who had been killed in the war, were both artists and the house was filled with their painting materials which she was taught to use. During her childhood she learned the techniques of calligraphy and traditional Japanese painting and, as an only child, she

described painting becoming her best friend and consuming her daily life.

In 1966 she went to art school in Kyoto to study printmaking, sculpture, film-making and painting. In 1995, following the death of her parents she moved to Paris to continue her studies in painting and printmaking before moving to Philadelphia to study at the Graduate School of Fine Arts at The University of Pennsylvania