Medos®/HIA-assist system: first experiences with mechanical circulatory assist in infants and children

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Abstract
The Medos®/HIA-System is a new pneumatically driven system for mechanical circulatory assist. The system is characterized by excellent efficiency at high heart rates and is available with three ventricles of 10, 25 and 60ml stroke volume. It can be used as left-, right- or biventricular assist device. Our preliminary experiences with this novel system for support of infants and children are reported.

Key Words
Mechanical circulatory assist, Medos®/HIA-System, Bridge to cardiac transplantation

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