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Treatment of heart failure in childhood strategies presented in the 2014 guidelines by ISHLT

Andreas C Petropoulos

Azerbaijan Medical University, Azerbaijan

Hear failure (HF) in childhood is a clinical and pathophysiological syndrome, resulting from: 1.Ventricular inotropic dysfunction, 2. Volume and/or Pressure overload, 3. Irregular heart rhythm 4.Long standing hyperdynamiccirculations leading to a mismatch to the metabolic needs of the body. Presents as failure to thrive, respiratory distress, exercise intolerance and associated with circulatory, neurohormonal, molecular abnormalities. HF has numerous etiologies. It is a common clinical presentation as a consequence of cardiac or non-cardiac disorders, congenital or acquired. The aim of this paper is to present the current advances on treatment of HF in childhood. It focuses on the 2014 International Society of Heart and Lung Transplantation (ISHLT), guidelines. These improve the previous 2004 ISHLT guidelines and amalgamate scientific data from the 2013 ACCF/AHA for management of HF in adults. We will focus on the existing variety in treatment strategies.

Biography

Andreas Petropoulos graduated from Aristotle University's Medical School, Greece in 1989. Followed 30year career as a medical officer, senior Flight Surgeon in the Hellenic Air-Force. Specialized in Aviation-Hyperbaric Medicine, Pediatrics, Fetal, Pediatrics and Congenital Cardiology in USA, Europe. He holds MSc in Preventive Cardiology and a member of AEPC working groups in "Prevention" & "Heart Failure-Pulmonary Hypertension". He worked and lectured in Athens and Brussels universities. Currently consults in Pediatrics, Fetal. Pediatrics & Congenital Cardiology in Merkeziklinika and Associate Professor at the State University and Post Graduate, CME Center in Azerbaijan. His research focuses on prevention, CVD imaging techniques, fetal cardiology, heart failure.

andrepetropoulos@gmail.com

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