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Cardiac biomarkers in pediatric heart disease: A state of art review

Benedict A Fernandes, Kevin O Maher, Shriprasad R Deshpande

Abstract

Every year there are more than 11,000 hospitalizations related to heart failure in children resulting in significant morbidity and mortality. Over the last two decades, our understanding, diagnosis and management of pediatric heart failure is evolving but our ability to prognosticate outcomes in pediatric heart acute heart failure is extremely limited due to lack of data. In adult heart failure patients, the role of cardiac biomarkers has exponentially increased over the last two decades. Current guidelines for management of heart failure emphasize the role of cardiac biomarkers in diagnosis, management and prognostication of heart failure. It is also noteworthy that these biomarkers reflect important biological processes that also open up the possibility of therapeutic targets. There is however, a significant gap present in the pediatric population with regards to biomarkers in pediatric heart failure. Here, we seek to review available data regarding cardiac biomarkers in the pediatric population and also

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Objectives: The objectives of this review are to discuss the para- ... The fields of pediatric heart failure and critical care medicine will continue ... The field of pediatric heart failure has been an ever-evolving art. The practice originally was predicated on the more useful in some disease states when compared with others.

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