



Advances in Heart Transplantation from Neonatal to Adult Age

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Message from the Guest Editors

There have been many recent advances in neonatal, pediatric, and adult heart transplantation that are contributing to improved outcomes across all age groups. Some of these, which we would like to highlight in this issue, involve the advanced diagnosis and treatment of antibody mediated rejection, newer induction agents utilized to minimize steroid use or mitigate toxicities of other immunosuppressive agents, and alternative immunosuppressive strategies. In addition, advances in our understanding of donor factors that can affect short- and long-term outcomes following heart transplantation are of recent interest in the field, particularly in the area of predictive outcome models. We would also like to highlight surgical advances in the field of cardiac transplantation across all age groups, including the use of the Trans Medics Organ Care System (OCS) for donor organ management. Finally, we would like to report on the recent advances in mechanical circulatory support (MCS) as a bridge to heart transplantation, from veno-arterial extra-corporeal membrane oxygenators (VA-ECMO) to ventricular assist devices (VAD) and total artificial hearts (TAH).





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