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Surgery for Congenital Heart Disease (CHD)

250  Biventricular repair in children with atrioventricular septal defects and a small right ventricle: Anatomic and surgical considerations
   Nilto C. De Oliveira, MD, Rekwan Sittiwangkul, MD, Brian W. McCrindle, MD, MPH, Anne Dipchand, MD, Tae-Jin Yun, MD, John G. Coles, MD, Christopher Caldarone, MD, William G. Williams, MD, and Glen S. Van Arsdell, MD, Toronto, Ontario, Canada

   Extending the use of biventricular repair in properly selected children with a small RV and AVSD is feasible. An atrial fenestration improves the physiologic tolerance in selected patients. The use of biventricular repair in children with an AV valve index of less than 0.50 requires caution.

258  Ginsenosides compound (shen-fu) attenuates gastrointestinal injury and inhibits inflammatory response after cardiopulmonary bypass in patients with congenital heart disease
   Zhong-yuan Xia, MD, Xian-Yi Liu, MD, Li-ying Zhan, MD, Yi-hong He, BSc, Tao Luo, MD, and Zhengyuan Xia, MD, PhD, Wuhan, People’s Republic of China

   Shen-fu injection (mainly ginsenosides compound, extract of Panax ginseng shown to have antioxidant properties) attenuates gastrointestinal mucosal injury and subsequent inflammatory responses and facilitates postoperative myocardial functional recovery in children undergoing heart operations with CPB.

265  Dexamethasone reduces gut permeability in pediatric cardiac surgery
   Ignacio Malagon, MD, FRCA, Willem Onkenhout, PhD, Margreet Klok, BSc, Lisa Linthorst, MD, Petrus F. H. van der Poel, BSc, James G. Bovill, MD, PhD, FCARCSI, FRCA, and Mark G. Hazekamp, MD, PhD, Leiden, The Netherlands

   The use of dexamethasone in pediatric cardiac surgery remains controversial. We investigated the extent to which gut permeability is affected by CPB using the dual sugar permeability test. Dexamethasone given during induction of anesthesia reduced gut permeability in pediatric patients.

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