

Supplemental Material

Supplemental Table I. Description of heart lesions, procedures and treatment in cases and controls with congenital heart disease.

| Case | Heart lesion | Total surgeries | Procedure in prior 2 weeks* | Medical history | Stroke type | Antiplatelet or Anticoagulation | |
|-----------------|---|-----------------|-----------------------------------|--|-------------|---------------------------------|----------|
| | | | | | | Before* | After |
| 1 | Aortic stenosis | 3 | none | St. Jude valve | hemorrhagic | coumadin | coumadin |
| 2 | ASD | 0 | none | Low protein C, protein S, antithrombin III | ischemic | none | LMWH |
| 3 | ASD | 0 | none | Trisomy 21, recent URI | ischemic | none | LMWH |
| 4 | ASD | 0 | none | | ischemic | none | aspirin |
| 5 | Atrioventricular canal | 1 | ASD closure, MV repair | | ischemic | none | none |
| 6 | Atrioventricular canal | 2 | none | Trisomy 21 | hemorrhagic | none | none |
| 7 | Coarctation of the aorta, ASD, VSD | 1 | cardiac catheterization | | hemorrhagic | none | none |
| 8 | Hypoplastic left heart syndrome | 1 | none | recent URI | ischemic | aspirin | aspirin |
| 9 | Partial anomalous pulmonary venous return | 1 | endovascular ASD closure | | hemorrhagic | none | none |
| 10 | Hypoplastic right ventricle, PS | 2 | none | | ischemic | none | aspirin |
| 11 | Severe aortic coarctation | 2 | mitral valve replacement | congestive heart failure | ischemic | none | coumadin |
| 12 | Transposition of the great arteries | 7 | VSD closure, RV to PA conduit | cardiac arrest, VAD | ischemic | none | aspirin |
| 13 | Transposition of the great arteries | 5 | none | BAS | ischemic | aspirin | coumadin |
| 14 | Transposition of the great arteries | 2 | bidirectional cavopulmonary shunt | BAS (remote) | ischemic | aspirin | aspirin |
| 15 | Truncus arteriosus | 3 | AV repair | | ischemic | none | none |
| Controls | | | | | | | |
| 1 | Hypoplastic left heart syndrome | 2 | none | cardiac arrest, died | | none | none |
| 2 | Critical PS | 4 | none | valve repair | | aspirin | aspirin |
| 3 | PS | 0 | none | | | none | none |
| 4 | PS, ASD | 1 | none | pulmonic valvulotomy | | none | none |
| 5 | Tetralogy of Fallot | 1 | none | | | none | none |
| 6 | VSD | 0 | none | | | none | none |
| 7 | VSD | 0 | none | | | none | none |

*time of stroke or index date for controls; Abbreviations: ASD = atrial septal defect, AV = aortic valve, BAS = balloon atrial septostomy, LMWH = low molecular weight heparin, MV = mitral valve, PA = pulmonary artery, PS = Pulmonary stenosis, RV = right Ventricle, VAD = ventricular assist device, VSD = ventricular septal defect