**Supplementary Table S1. Key Data Auditing Variables**

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| **REDCap Form** | **Auditing Variable** | **Pathway** |
| Demographics | Inotropic support | All pathways |
| Intubation |
| Prematurity |
| Genetic syndrome |
| Anatomical diagnosis |
| Right, Left Pulmonary Artery measurements |
| Antegrade pulmonary blood flow |
| Primary Repair | Date of primary repair | Primary Repair Only |
| Weight |
| Extracorporeal membrane oxygenation |
| General and inhalational anesthetics time |
| Procedural complications |
| Procedure Course | Which form of palliation used | Cath and Surgical Palliation |
| Date of initial intervention |
| Weight at initial intervention |
| General and inhalational anesthetics time |
| Procedural complications |
| Cath Palliation | Date | Cath based palliation only:  - PDA Stent  - RVOT Stent - Balloon Valvuloplasty |
| Weight |
| Right, Left Pulmonary Artery measurements |
| Patent ductus arteriosus length  (For PDA Stent Only) |
| Surgical Palliation | Date | Surgical based palliation only:  - Surgical Shunt  - Surgical RVOT Patch |
| Initial Hospital Course | Total duration of post intervention days in ICU | All pathways |
| Date of admission |
| Date of hospital discharge |
| Major complications |
| Reintervention - Interstage | Date | Cath and Surgical Palliation |
| Type of reintervention |
| Complete Repair | Date | Cath and Surgical Palliation |
| Weight |
| Major complications |
| General and inhalational anesthetics time |
| Right, Left Pulmonary Artery measurements |
| Extracorporeal membrane oxygenation |
| Complete Repair Hospital Course | Total duration of post intervention days in ICU | Cath and Surgical Palliation |
| Date of hospital admission |
| Date of hospital discharge |
| Major complications |
| Reintervention -  Following Complete Repair | Date | Cath and Surgical Palliation |
| Type of reintervention |
| Primary Repair  4-8 Months Follow up | Date | Primary Repair Only |
| Weight |
| Date of echo |
| Right, Left Pulmonary Artery measurements |
| One Year of Age Follow Up | Date of follow up | All pathways |
| Weight |
| Status and date 1 year of age follow up |
| Right, Left Pulmonary Artery measurements |
| Final Status Follow Up | Date of last follow up | All pathways |
| Status and date of last follow up |
| Right, Left Pulmonary Artery measurements |