**Table S1:** Features necessitating complete repair during same admission in patients following PAB.

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| --- | --- | --- |
| Syndrome/ Genetics | Intracardiac anatomy | Indication |
| Normal | Multiple VSD’s | Respiratory support dependent |
| Piere Robin | VSD | Respiratory support dependent |
| T21 | AVSD | Respiratory support dependent |
| T21 | AVSD | Progressive AVVR (respiratory support) |
| Normal | AVSD | Progressive AVVR (respiratory support) |
| DiGeorge | VSD | Respiratory support dependent |
| T21 | VSD | Right pulmonary artery origin stenosis (respiratory support) |
| T21 | AVSD | Persistent heart failure |
| T21 | AVSD | Progressive AVVR |
| Normal | Multiple VSD’s | Respiratory support dependent |
| T21 | AVSD | Respiratory support dependent |
| Normal | AVSD | Staphylococcus aureus mycotic aneurysm in the pulmonary artery (respiratory support) |
| Dandy Walker | Multiple VSD’s | Prolonged inpatient total parenteral nutrition |
| Normal | Multiple VSD’s | Subaortic stenosis (respiratory support) |

AVSD: Atrioventricular septal defect, AVVR: Atrioventricular valve regurgitation, T21: trisomy 21, VSD: Ventricular septal defect

**Table S2:** Non cardiac and cardiac causes of mortality pre and post-surgical repair

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| **Pre-surgical repair** |
| Non cardiac |
| * Respiratory failure due to trachea-bronchomalacia (Three patients) |
| * Cerebellopontine hypoplasia, episodes of apnea (Sudden death at home) |
| * Thoracic dystrophy (Ellis Van Creveld syndrome), respiratory failure |
| * Unexplained significant PHTN probably due to Chromosome abnormality (1p36 deletion) |
| * Trachea-bronchomalacia (Cri du Chat Syndrome) * Short gut syndrome following Small Bowel infarction (PN dependent) |
| * Small hypoplastic left main bronchus, collapsed bronchus (Williams Syndrome) * Cardiac arrest secondary to hyperkalemia (AKI) |
| * Chronic lung disease, Cardiorespiratory failure |
| Cardiac |
| * Complete AVSD, heart failure |
| * Heart failure, systemic inflammatory response syndrome |
|  |
| **Post-surgical repair** |
| Non cardiac |
| * Pneumonia, Laryngo-tracheomalacia, right main bronchus narrowing, respiratory failure |
| * Pulmonary Hypertension secondary to progressive pulmonary vein stenosis |
| * Intestinal infarction, multiple organ failure |
| * Multiple organ failure, Immunodeficiency * Idiopathic parenchymal lung disease, trachea-bronchomalacia |
| * Recurrent sepsis |
| Cardiac |
| * Severe left AVVR, heart failure |

AKI: Acute kidney Injury, AVSD: Atrioventricular septal defect, AVVR: Atrioventricular valve regurgitation, PHTN: Pulmonary hypertension