**Supplemental table 1**

Demographic and echocardiographic details of all study patients

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Study ID | Birth weight (kg) | Age at diagnosis (days) | Age at intervention (days) | outcome | Age at first echo (days) | A:R VTI ratio | Degree of PH | SVC flow (ml/kg/ min) |
| 1 | 2.5 | prenatal | 1 | Survived | 1 | 2.3 | Sub-systemic | 309 |
| 2 | 2.8 | prenatal | 1 | Survived | 1 | 0.4 | Sub-systemic | 534 |
| 3 | 2.2 | prenatal | 11 | Died | 1 | 1.45 | Supra-systemic | 437 |
| 4 | 3.14 | 2 | 15 | Survived | 10 | 0.9 | Sub-systemic | - |
| 5 | 2.5 | 2 | 208 | Survived | 4 | 2.6 | Supra-systemic | 307 |
| 6 | 3.4 | prenatal | 107 | Survived | 1 | 2.8 | Sub-systemic | 630 |
| 7 | 3.2 | prenatal | 7 | Died | 1 | 1.04 | Supra-systemic | 611 |
| 8 | 3.3 | 1 | 4 | Died | 2 | 1.05 | Supra-systemic | 203 |
| 9 | 3.4 | prenatal | None | Died | 1 | 0.8 | Sub-systemic | 804 |
| 10 | 3.5 | prenatal | 6 | Survived | 1 | 5.15 | Sub-systemic | 506 |
| 11 | 2.6 | 1 | None | Died | 2 |  0.56 | Sub-systemic | 585 |
| 12 | 3.7 | 5 | None | Died | 6 | 1.9 | Supra-systemic | 447 |
| 13 | 3 | 2 | 3 | Died | 3 | 1.3 | Sub-systemic | - |
| 14 | 2.6 | 1 | None | Survived | 5 | - | Sub-systemic | - |
| 15 | 2.8 | 15 | None | Survived | 21 | - | Sub-systemic | 707 |
| 16 | 3.1 | 1 | 10 | Survived | 6 | 0.68 | Sub-systemic | 378 |
| 17 | 3.6 | 1 | 3 | Died | 3 | 0.91 | Supra-systemic | 525 |
| 18 | 3.1 | 1 | None | Died | 0 | 0.97 | Supra-systemic | 380 |
| 19 | 2.4 | 10 | 10 | Survived | 11 | 1.6 | Sub-systemic | 566 |

Abbreviations: Aortic antegrade: retrograde velocity time integral ratio: Aorta A:R VTI, PA: pulmonary artery, SVC: Superior vena cava