Supplementary Table 1. Risk of Bias Assessment

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| **Study** | **Title** | **Clearly Focused Issue** | **Cohort Recruited Acceptably** | **Accurate Exposure Measurement** | **Accurate Outcome Measurement** | **Confounders Identified & Adjusted** | **Complete Follow-up** | **Summary** |
| Saleh et al. [35] | Value of Galectin-3 assay in children with heart failure secondary to congenital heart diseases: a prospective study | Yes | Yes | Yes | Yes | Yes | Yes | Low risk of bias |
| Cura et al. [38] | Aldosterone, Galectin-3, and NTproBNP Levels and their Values as Biomarkers in Infants with Ventricular Septal Defect | Yes | Yes | Yes | Yes | Yes | N/A (cross-sectional) | Low risk of bias |
| Elhewala et al. [36] | Galectin-3 as a Biomarker of Heart Failure in Children with Congenital Heart Disease | Yes | Yes | Yes | Yes | Yes | N/A (case-control) | Low risk of bias |
| Parker et al. [37] | Novel Biomarkers Improve Prediction of 365-Day Readmission After Pediatric Congenital Heart Surgery | Yes | Yes | Yes | Yes | Yes | Yes | Low risk of bias |
| Brown et al. [43] | Biomarkers improve prediction of 30-day unplanned readmission or mortality after paediatric congenital heart surgery | Yes | Yes | Yes | Yes | Yes | Yes | Low risk of bias |
| van den Bosch et al. [46] | Associations between blood biomarkers, cardiac function, and adverse outcome in a young tetralogy of Fallot cohort | Yes | Yes | Yes | Yes | Yes | Yes | Low risk of bias |
| DiLorenzo et al. [49] | Comparison of serum biomarkers of myocardial fibrosis with cardiac magnetic resonance in patients operated for tetralogy of Fallot | Yes | Yes | Yes | Yes | Yes | N/A (cross-sectional) | Low risk of bias |
| Frank et al. [54] | Circulating biomarkers of left ventricular hypertrophy in pediatric coarctation of the aorta | Yes | Yes | Yes | Yes | Yes | Yes | Low risk of bias |