**Supplementary File: Table 1: Search strategy for PuBMed and study inclusion criteria**

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| **Study selection criteria (PICOTS)** | | |
|  | **Inclusion criteria** | **Exclusion criteria** |
| **Population** | * Infants with congenital heart disease | * Studies not published in English, infants with other primary pathologies (including metabolic, gastrointestinal, nephrological, neurological or urological), preterm infants with patent ductus arteriosus and metabolites described in fluids other than urine |
| **Intervention** | * Mass spectroscopy urinary metabolomics | * Mass spectroscopy metabolomics from other biological samples |
| **Comparison** | * Healthy term neonates | * Infants with other primary pathologies (including metabolic, gastrointestinal, nephrological, neurological or urological), preterm infants with patent ductus arteriosus |
| **Outcome** | * Growth | * Growth not reported |
| **Timing** | * Term infants >37 weeks gestational age | * Infants < 37 weeks gestational age, or those with other primary pathology |
| **Setting** | * Hospital | * Community |
| **Search strategy** | | |
| **Search words** | * Infants or neonates; congenital heart disease; Urinary metabolomics or urinary metabolites; Growth or weight gain; Metabolic maturation or metabolic maturity | |
| **Limits** | * English, human | |
| **Year range** | * Up to February 2022 | |
| **Search example: PUBMED** | * **((Infants or Neonates) AND (Urinary metabolomics or urinary metabolites)) AND (weight or growth)**AND (congenital heart disease)) | |