Supporting Information for:

**Initial assessment of the infant with neonatal cholestasis – is this biliary atresia?**

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**S3 Table. Comparison of included (Group 2) and excluded (Group 4) infants with a clinical diagnosis that was not biliary atresia**

| **Variable** | **Group 2(Non-BA Included)% or Mean (SD) N=259** | **Group 4(Non-BA Excluded)% or Mean (SD) N=113** | **p-value** |
| --- | --- | --- | --- |
| Race |   |   | 0.280 |
|  White | 156 (61.2%) | 60 (57.7%) |  |
|  Black | 51 (20%) | 24 (23.1%) |  |
|  Asian | 13 (5.1%) | 10 (9.6%) |  |
|  Other | 35 (13.7%) | 10 (9.6%) |  |
| Sex |   |   | 0.880 |
|  Male | 164 (63.3%) | 70 (62.5%) |  |
|  Female | 95 (36.7%) | 42 (37.5%) |  |
| Ethnicity |   |   | 0.309 |
|  Hispanic | 60 (23.3%) | 20 (18.5%) |  |
|  Non-Hispanic | 197 (76.7%) | 88 (81.5%) |  |
| Age at First Evaluation (Days) | N=259 | N=113 | 0.332 |
|   | 60 (33.3) | 56.4 (33) |  |
| Age at Disease Onset (Days) | N=259 | N=113 | 0.371 |
|   | 18.7 (22.1) | 21 (25.1) |  |
| Weight (kg) | N=257 | N=102 | 0.436 |
|   | 4.1 (1.1) | 4.2 (1.1) |  |
| Length (cm) | N=252 | N=99 | 0.970 |
|   | 54.3 (4.3) | 54.3 (5.3) |  |
| Head Circumference (cm) | N=215 | N=81 | 0.688 |
|   | 37.1 (2.6) | 37.3 (2.3) |  |
| Weight Z-Score | N=257 | N=102 | 0.181 |
|   | -1.5 (1.2) | -1.3 (1.3) |  |
| Length Z-Score | N=252 | N=99 | 0.928 |
|   | -1.4 (1.5) | -1.3 (2.1) |  |
| Head Circumference Z-Score | N=215 | N=81 | 0.170 |
|   | -1.4 (1.2) | -1.2 (1.3) |  |
| Acholic Stools |   |   | 0.254 |
|  Absent | 165 (66%) | 73 (72.3%) |  |
|  Present | 85 (34%) | 28 (27.7%) |  |
| Acholic Stools (3 Levels) |   |   | 0.335 |
|  Normal | 165 (66%) | 73 (72.3%) |  |
|  White or Gray | 30 (12%) | 7 (6.9%) |  |
|  Pale | 55 (22%) | 21 (20.8%) |  |
| Facial Features |   |   | **0.070** |
|  Normal | 207 (81.2%) | 90 (89.1%) |  |
|  Abnormal | 48 (18.8%) | 11 (10.9%) |  |
| Liver Edge Palpable |   |   | **0.001** |
|  Not Palpable | 34 (14.5%) | 28 (30.1%) |  |
|  Palpable | 201 (85.5%) | 65 (69.9%) |  |
| Liver Edge Below Costal Margin (cm) | N=202 | N=65 | 0.513 |
|   | 2.5 (1.4) | 2.4 (1.3) |  |
| Spleen Palpable |   |   | 0.326 |
|  Not Palpable | 149 (59.6%) | 64 (65.3%) |  |
|  Palpable | 101 (40.4%) | 34 (34.7%) |  |
| Direct Baseline Bilirubin (mg/dL) | N=162 | N=51 | **<0.001** |
|   | 5.8 (3.2) | 3.8 (3.2) |  |
| Conjugated Baseline Bilirubin (mg/dL) | N=121 | N=38 | **0.014** |
|   | 4.6 (2.6) | 3.4 (2.2) |  |
| Total Baseline Bilirubin (mg/dL) | N=259 | N=95 | **0.002** |
|   | 8.6 (4.3) | 7.6 (5.1) |  |
| AST (IU/L) | N=254 | N=92 | **<0.001** |
|   | 284.2 (347.7) | 189.6 (189.7) |  |
| ALT (IU/L) | N=255 | N=97 | **0.001** |
|   | 190.7 (232.5) | 137.2 (179.5) |  |
| Albumin (g/dL) | N=246 | N=94 | **0.040** |
|   | 3.5 (0.6) | 4.1 (5) |  |
| GGTP (IU/L) | N=238 | N=88 | 0.126 |
|   | 299 (380.5) | 327.8 (356.3) |  |
| Platelets (103/ mm3) | N=243 | N=87 | 0.666 |
|   | 419.7 (197.3) | 422.1 (181.7) |  |
| Alkaline Phosphatase (IU/L) | N=254 | N=94 | **0.056** |
|   | 572.1 (252.1) | 522.9 (257.2) |  |
| Total Cholesterol (mg/dL) | N=54 | N=15 | 0.725 |
|   | 190.6 (82.3) | 185.3 (87) |  |
| Gallbladder |   |   | 0.213 |
|  Absent | 13 (6.5%) | 8 (11.1%) |  |
|  Present | 1 (1.4%) | 0 (0.0%) |  |
|  Present (Small) | 81 (40.7%) | 29 (40.3%) |  |
|  Normal | 105 (52.8%) | 34 (47.2%) |  |
| Gallbladder (Absent vs. Present) |   |   | 0.209 |
|  Absent | 13 (6.5%) | 8 (11.1%) |  |
|  Present | 186 (93.5%) | 64 (88.9%) |  |