**Table I. Clinical characteristics of neonatal sepsis (early- and late-onset disease): group B streptococcus (GBS) vs. Escherichia coli (E. coli)**

|                         | GBS (N = 33) | E. coli (N = 73) | p   |
|-------------------------|--------------|------------------|-----|
| **Values**              | NA           | NA               |     |
| **Male female ratio**   | 21.12(1.75)  | 38.35(1.1)       | 0.001|
| **Age of onset (days) median** | 2 (1-50)     | 6 (1-87)         | 0   |
| **Gestational Age (weeks) median** | 38 (26-41)   | 31 (23-41)       | 0.002|
| **Preadm birth (<27 GA)** | 10 (30%)     | 56 (75%)         | <0.001|
| **Preterm birth (<28 GA)** | 5 (15%)      | 23 (32%)         | 0   |
| **Birthweight (g) median** | 3210 (860-4370) | 1430 (433-4683) | 7   |
| **Low Birthweight (<2500g)** | 11 (33%)     | 55 (75%)         | <0.001|
| **Very low Birthweight (<1500g)** | 5 (15%)      | 35 (48%)         | 0.001|
| **Extremely low Birthweight (<1000g)** | 3 (9%)       | 23 (32%)         | 0.01|
| **C-section** n (%)     | 11 (35%)     | 38 (55%)         | 8   |
| **Multiple gestation** n (%) | 4 (12%)      | 10 (14%)         | 0   |
| **Neonatal colonization at time of infection** n (%) | 18 (65%)     | 38 (52%)         | 0   |
| **Mortality** n (%)     | 2 (6%)       | 6 (8%)           | 0   |
| **Meningitis** n (%)    | 9 (27%)      | 6 (8%)           | 0.015|
| **ICH** n (%)           | 4 (12%)      | 27 (37%)         | 0   |
| **NEC** n (%)           | 0 (0%)       | 6 (8%)           | 0   |
| **BPD** n (%)           | 2 (6%)       | 22 (30%)         | 0.006|
| **Initial labs**        |              |                  |     |
| **WBC (Gx10^9/L) median** | 12.2 (2-33)  | 9.12 (0-39)      | 0   |
| **WBC <5 or >21 Gx10^9/L** | 14 (42%)     | 26 (36%)         | 0   |
| **ITQ >0.2** n (%)      | 23 (74%)     | 41 (64%)         | 9   |
| **CrP (mg/L) median**   | 9.9 (6-150)  | 13.5 (6-294)     | 2   |
| **CrP >10mg/L** n (%)   | 16 (48%)     | 39 (55%)         | 2   |
| **IL-6 (pg/mL) median** | 5060 (285-1250) | 2061 (464-14269) | 25  |
| **IL-6 >1000pg/mL** n (%) | 21 (81%)    | 30 (63%)         | 25  |
| **All labs normal** n (%) | 2 (8%)       | 8 (17%)          | 25  |
| **Labs 36-72h**         |              |                  |     |
| **WBC (Gx10^9/L) median** | 14.11 (2-57) | 13.89 (0-52)     | 19  |
| **WBC <5 or >21 Gx10^9/L** | 9 (33%)      | 18 (33%)         | 19  |
| **ITQ >0.2** n (%)      | 4 (17%)      | 18 (37%)         | 24  |
| **CrP (mg/L) median**   | 37.9 (2-315) | 52.3 (2-292)     | 24  |
| **CrP >10mg/L** n (%)   | 19 (76%)     | 38 (78%)         | 24  |
| **All labs normal** n (%) | 2 (8%)       | 7 (14%)          | 24  |
| **Catecholamines** n (%) | 10 (30%)     | 23 (32%)         | 0   |
| **FPR transfusion** n (%) | 9 (27%)      | 18 (25%)         | 0   |
| **RBC transfusion** n (%) | 9 (27%)      | 32 (44%)         | 0   |
| **Maternal Age median** | 30 (17-41)   | 20 (20-43)       | 2   |

**Table II. Clinical characteristics of early-onset disease (EOD): group B streptococcus (GBS) vs. Escherichia coli (E. coli)**

|                         | GBS (N = 21) | E. coli (N = 38) | p   |
|-------------------------|--------------|------------------|-----|
| **Values**              | NA           | NA               |     |
| **Male female ratio**   | 15.6 (2.5)   | 22.16 (1.4)      | 0   |
| **Age of onset (days) median** | 1 (1-3)      | 1 (1-6)          | 0   |
| **Gestational Age (weeks) median** | 37 (26-41)  | 31 (23-41)       | 0.006|
| **Preadm birth (<27 GA)** | 8 (28%)      | 34 (48%)         | 0   |
| **Preterm birth (<28 GA)** | 5 (24%)      | 11 (29%)         | 0   |
| **Birthweight (g) median** | 3250 (890-4320) | 1570 (560-4660) | 0.001|
| **Low Birthweight (<2500g)** | 7 (25%)      | 35 (52%)         | <0.001|
| **Very low Birthweight (<1500g)** | 5 (24%)      | 18 (47%)         | 0   |
| **Extremely low Birthweight (<1000g)** | 3 (14%)      | 10 (28%)         | 0   |
| **C-section** n (%)     | 10 (48%)     | 22 (55%)         | 0   |
| **Multiple gestation** n (%) | 2 (10%)      | 3 (8%)           | 0   |
| **Neonatal colonization at time of infection** n (%) | 16 (75%)     | 26 (48%)         | 0   |
| **Mortality** n (%)     | 1 (5%)       | 4 (11%)          | 0   |
| **Meningitis** n (%)    | 2 (10%)      | 3 (8%)           | 0   |
| **ICH** n (%)           | 4 (19%)      | 17 (45%)         | 0   |
| **NEC** n (%)           | 0 (0%)       | 2 (5%)           | 0   |
| **BPD** n (%)           | 2 (10%)      | 10 (26%)         | 0   |
| **Initial labs**        |              |                  |     |
| **WBC (Gx10^9/L) median** | 12.65 (3.3)  | 9.11 (1-39)      | 0   |
| **WBC <5 or >21 Gx10^9/L** | 8 (38%)      | 13 (34%)         | 0   |
| **ITQ >0.2** n (%)      | 13 (65%)     | 20 (41%)         | 5   |
| **CrP (mg/L) median**   | 5.4 (0-105)  | 2.3 (0-1)        | 1   |
| **CrP >10mg/L** n (%)   | 6 (29%)      | 11 (30%)         | 1   |
| **IL-6 (pg/mL) median** | 5060 (285-1250) | 2384 (4-1)       | 2   |
| **IL-6 >1000pg/mL** n (%) | 16 (84%)     | 23 (64%)         | 2   |
| **All labs normal** n (%) | 2 (11%)      | 5 (16%)          | 7   |
| **Labs 36-72h**         |              |                  |     |
| **WBC (Gx10^9/L) median** | 21.71 (6-57) | 13.07 (4-44)     | 12  |
| **WBC <5 or >21 Gx10^9/L** | 8 (38%)      | 10 (38%)         | 12  |
| **ITQ >0.2** n (%)      | 4 (27%)      | 7 (28%)          | 13  |
| **CrP (mg/L) median**   | 26.9 (0-109) | 18.1 (1-262)     | 13  |
| **CrP >10mg/L** n (%)   | 9 (60%)      | 17 (68%)         | 13  |
| **All labs normal** n (%) | 2 (13%)      | 5 (21%)          | 14  |
| **Maternal Age median** | 30 (17-41)   | 30 (20-43)       | 0   |
| **Antibiotic swab same pathogen** n (%) | 7 (100%)     | 21 (81%)         | 4   |
| **Vaginal colonization same pathogen** n (%) | 8 (80%)      | 12 (35%)         | 0.03|
| **Return of membranes >18h** n (%) | 5 (25%)      | 22 (59%)         | 0.03|
| **IAP** n (%)           | 2 (13%)      | 27 (77%)         | <0.001|
| **Antibiotic administration PROM** n (%) | 2 (13%)      | 20 (57%)         | <0.001|
