

Table S1 Neonatal body condition before the collection of video and VEEG data

| # | Weight(kg) | GA(wk ^{+d}) | PMA(wk ^{+d}) | S/W | Reason for Admission |
|---|------------|-----------------------|------------------------|--------|----------------------|
| 1 | 2.66 | 34 | 35+5 | 20/100 | Preterm |
| 2 | 4.53 | 39 | 42+4 | 20/100 | Fever |
| 3 | 3.36 | 39 +2 | 40+6 | 105/15 | Cyanosis |
| 4 | 2.91 | 37 +1 | 38+0 | 50/70 | Jaundice |
| 5 | 2.35 | 34 +6 | 35+3 | 60/60 | emesis |
| 6 | 2.83 | 38 +5 | 39+0 | 42/78 | Hyoglycemia |
| 7 | 3.22 | 40+5 | 41+1 | 95/25 | Jaundice |

S: sleep, W: wake, GA: gestational age, PMA: postmenstrual age during data collection, W= weight (kg)