

Table 1. Summary of reports describing classification performance

| Source | Outcome Number | Control Number | Classification Method | Sensitivity | Specificity | False positive | Sum of Sensitivity and Specificity |
|---------------------------|------------------------------------|-----------------------------------|--------------------------------------------------------------------|-------------|-------------|----------------|------------------------------------|
| Spencer et al 1997 | HIE all grades 38 | No HIE 35 | FIGO levels suspicious or abnormal | 89% | 48% | 52% | 137% |
| Low et al 1999 | UA base deficit > 16 mmol/L 71 | UA base deficit <8mmol/L 71 | Absent baseline variability > 10 min | 17% | 98% | 2% | 115% |
| | | | Minimal variability > 20 min AND late or prolonged decelerations | 46% | 89% | 11% | 135% |
| | | | Minimal variability >20 min OR late and/or prolonged decelerations | 75% | 57% | 43% | 132% |
| Elliott et al 2006 | HIE all grades 60 | UA base deficit <8 mmol/L 2132 | Parer and Ikeda 5 levels | | | | |
| | | | Red | 8% | 98.3% | 1.7% | 107% |
| | | | Orange and above | 52% | 81.9% | 18.1% | 134% |
| | | | Yellow and above | 88% | 40.1% | 59.9% | 128% |
| Elliott et al 2006 | UA base deficit > 12 mmol/L 280 | UA base deficit <8 mmol/L 2132 | Parer and Ikeda 5 levels | | | | |
| | | | Red | 3% | 98.3% | 1.7% | 101% |
| | | | Orange and above | 30% | 81.9% | 18.1% | 112% |
| | | | Yellow and above | 73% | 40.1% | 59.9% | 113% |
| Cahill et al 2012 | UA pH<=7.10 57 | UA pH>7.10 5331 | ACOG 3 Categories | | | | |
| | | | Category II | 100% | 2.4% | 97.6% | 102% |
| Clark et al 2015 | UA base deficit > 12 mmol/L 120 | UA base deficit <8 mmol/L 120 | 9branches based on EFM and labor status | | | | |
| | | | Any Intervention Recommendation | 45.8% | 81.7% | 18.3% | 128% |