**Appendix 2: Data extraction form**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| STUDY LEVEL DATA | |  |  |  |  |  |  |
| Trial name |  |  |  |  |  |  | | |
| Author |  |  |  |  |  |  | | |
| Year |  |  |  |  |  |  | | |
| Journal |  |  |  |  |  |  | | |
| Location |  |  |  |  |  |  | | |
| Publication type | Journal | Abstract | Other |  |  |  | | |
| Language | English | Other |  |  |  |  | | |
| Type of study | Randomized | Other | | Cross-Over |  |  | | |
| RISK OF BIAS | |  |  |  |  |  |  |
| Sequence generation | |  |  |  |  |  | | |
| Allocation concealment | |  |  |  |  |  | | |
| Blinding | patient |  |  |  |  |  | | |
|  | clinician |  |  |  |  |  | | |
|  | midwife |  |  |  |  |  | | |
|  | observer |  |  |  |  |  | | |
| Loss to follow up | |  |  |  |  |  | | |
|  |  |  |  |  |  |  | | |
|  |  |  |  |  |  |  |  |
| INTERVENTION LEVEL DATA | | |  |  |  |  |  |
| Remifentanil | bolus |  |  |  |  |  | | |
|  | infusion |  |  |  |  |  | | |
|  | lockout |  |  |  |  |  | | |
|  | patient controlled | | manual controlled | |  |  | | |
|  | Hourly remifentanil dose | |  |  |  |  | | |
|  | Other |  |  |  |  |  | | |
|  |  |  |  |  |  |  |  |
| Comparison | Meperidine | Intramuscular | Intravenous |  |  |  | | |
|  | Dose |  |  |  |  |  | | |
|  | Other |  |  |  |  |  | | |
|  |  |  |  |  |  |  |  |
| Rescue | Entonox | Yes | No |  |  |  | | |
| Analgesia | Epidural | Yes | No |  |  |  | | |
|  |  |  |  |  |  |  | | |
|  |  |  |  |  |  |  |  |
| PATIENT LEVEL DATA | |  |  |  |  |  |  |
| Total number of patients | |  | Exclusions (before randomization)  Exclusions (after randomization) | | |  | | |
| # remifentanil | |  | drop-outs |  |  |  | | |
| # meperidine | |  | drop-outs |  |  |  | | |
| Inclusion criteria | |  | Exclusion criteria | |  |  | | |
|  |  |  |  |  |  |  | | |
|  |  |  |  |  |  |  | | |
|  |  |  |  |  |  |  | | |
|  |  |  |  |  |  |  | | |
| Baseline data similar | | Yes | no |  |  |  | | |
|  |  |  |  |  |  |  | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| OUTCOME LEVEL DATA | |  |  |  |  |  |  |
| Maternal data |  | Remifentanil  Baseline | 60min | Meperidine  Baseline | 60min | P-value | | |
|  | Pain |  |  |  |  |  | | |
|  | Blood pressure |  |  |  |  |  | | |
|  | Heart rate |  |  |  |  |  | | |
|  | Respiratory rate |  |  |  |  |  | | |
|  | Saturation |  |  |  |  |  | | |
|  | Sedation score | |  |  |  |  | | |
|  | Nausea |  |  |  |  |  | | |
|  | Anxiety |  |  |  |  |  | | |
|  | Pruritus |  |  |  |  |  | | |
|  | Satisfaction |  |  |  |  |  | | |
|  | Conversion to epidural |  |  |  |  |  | | |
|  | Caesarean rate |  |  |  |  |  | | |
|  | Other |  |  |  |  |  | | |
|  |  |  |  |  |  |  | | |
|  |  |  |  |  |  |  | | |
|  |  |  |  |  |  |  | | |
|  |  |  |  |  |  |  |  |
| Neonatal data |  | Remifentanil |  | Meperidine |  | P-value | | |
|  | APGAR |  |  |  |  |  | | |
|  | Cord blood gas |  |  |  |  |  | | |
|  | Neurological Adaptive Score |  |  |  |  |  | | |
|  | Fetal heart rate |  |  |  |  |  | | |
|  | Cardiotograph |  |  |  |  |  | | |
|  | Naloxone |  |  |  |  |  | | |
|  | Other |  |  |  |  |  | | |
|  |  |  |  |  |  |  | | |
|  |  |  |  |  |  |  | | |
|  |  |  |  |  |  |  | | |
|  |  |  |  |  |  |  |  |
| Adverse events | |  |  |  |  |  | | |
|  |  |  |  |  |  |  | | |
|  |  |  |  |  |  |  | | |
|  |  |  |  |  |  |  |  |
| Comments |  |  |  |  |  |  | | |
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