**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 |  |  |   |
|   |   |   |   |   |   |   |

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| --- | --- | --- | --- | --- | --- | --- |
| OUTCOME LEVEL DATA |  |  |  |  |  |  |
| Maternal data |  | RemifentanilBaseline | 60min | MeperidineBaseline | 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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