Records identified through database searching and reference lists (n=839)

Screening

Records excluded (n=638)
- Not primary hip or knee replacement (n=362)
- Not local anaesthetic wound infiltration intervention (n=276)

Full-text articles assessed for eligibility (n=201)

Full-text articles excluded, with reasons (n=168)
- Not empirical study (n=71)
- Not randomised trial (n=37)
- Protocol only (n=1)
- Steroid infiltration (n=5)
- Post-wound closure (n=23)
- Magnesium sulphate only (n=1)
- Bilateral studies (n=13)
- Conference abstract only (n=12)
- Unable to obtain (n=1)
- Additional report (n=3)
- Retraction (n=1)

Studies included (n=33)
- Randomised comparisons (n=36)