

Recruited



2893 women



106 NHS hospitals

Randomised to



Induction between 38+0 to 38+4 weeks



Standard care

Expected difference: 10.5 days, 300g

Eligibility

LGA >90th GROW centile

at scan-estimated fetal weight between 35+0 and 38+0 weeks

Intention to Treat Analysis



1 in 4 women in standard care arm were delivered during induction arm period

Difference between arms: 6 days, 163g

No significant reduction in shoulder dystocia: RR 0.75, 95% CI 0.51-1.09

Per Protocol Analysis



38% reduction in SDs

Excluded all deliveries $\leq 38+4$ in standard care arm

Average gestational age: 38+4 (induction) and 39+5 (control)

Difference between arms: 8 days, 213g

Significant reduction in shoulder dystocia: RR 0.62, 95% CI 0.41-0.92

Mothers in induction arm had

- Fewer elective and emergency c-sections
- Reduced rate of postpartum haemorrhage
- No increase in 3rd or 4th degree tears
- Longer hospital stay by 0.4 days

Babies in induction arm had

- No difference in brachial plexus injuries
- No fractures (in either arm of the trial)
- No increased need for phototherapy
- No difference in other secondary outcomes

LGA at scan predicting LGA at birth

42% of babies in induction arm and 40% in standard care arm had LGA birthweight

Information to consider for management plan

history

clinical assessment

maternal expectations and preferences

Options for shared decision making

1. Expectant management

- wait and observe
- scans are estimates only
- trust delivery team to be well trained

2. Elective caesarean section

- eliminates risk of shoulder dystocia
- increased postpartum haemorrhage
- ? plans for subsequent pregnancies

3. Induction of labour

- reduces risk of shoulder dystocia
- reduces need for caesarean section
- no increase in 3rd or 4th degree tears
- no adverse effect on neonate
- longer hospital stay by 0.4 days

