

Diskussion

Leder induktion till fler sectio?

Induktion – när, var och hur?



Diskussionsregler

- Skriv din fråga i chatten
- Linnea håller ordningen
- Sophia tilldelar ordet och modererar diskussionen

Leder induktion till fler snitt?

- 35/39 studien: ca 600 äldre förstföderskor (>35 år) i UK
- Induktion v39⁰⁻⁶ eller expektans upp till 41⁰-42⁰ då (induktion ok)
- 32 vs 33% sectio
- 38 vs 33% tång/VE

ORIGINAL ARTICLE

Randomized Trial of Labor Induction in Women 35 Years of Age or Older

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Ingen skillnad i
sectiofrekvens, men
högre än många andra

Trend mot ökad andel
VE/tång, men högre än
många andra

Extern validitet?
Dvs går resultatet att
applicera på andra
populationer?

Table 3. Maternal Outcomes.*

Outcome	Induction Group (N = 304)	Expectant- Management Group (N = 314)	Relative Risk (95% CI)†	P Value
Method of delivery				
Cesarean section — no. (%)	98 (32)	103 (33)	0.99 (0.87–1.14)	0.92
Age 35–37 yr ‡	44 (26)	52 (29)	0.89 (0.67–1.19)	0.45
Age 38–39 yr ‡	29 (39)	27 (39)	1.00 (0.70–1.41)	0.99
Age ≥40 yr ‡	25 (42)	24 (38)	1.13 (0.75–1.70)	0.56
Assisted vaginal delivery — no. (%)	115 (38)	104 (33)	1.30 (0.96–1.77)	0.08
Indication for cesarean section — no.				
Failure of labor to progress				
First stage	39	34		
Second stage	5	7		
Failed delivery with use of instruments	4	7		
Suspected fetal distress	43	48		
Maternal complications	8	2		
Patient choice	2	6		
Other§	32	29		
Epidural use — no. (%)	105 (35)	90 (29)		
Gestational age at onset of labor — wk				
Mean	39	40		
Range	37–42	36–42		
Complications — no.				
Placental abruption	0	0		
Cord prolapse	1	0		
Postpartum hemorrhage¶	95	90	1.09 (0.85–1.40)	0.47
Shoulder dystocia	6	9	0.68 (0.25–1.83)	0.45
Blood transfusion required	10	17	0.61 (0.30–1.21)	0.16
Systemic infection	12	10	1.24 (0.45–3.37)	0.68

Men stämmer det? Och barnutfallet?

- ARRIVE ca 6000 friska förstföderskor i USA
- Induktion v39⁰⁻⁴ eller expektans upp till 42²
- Barnutfall primärt i denna studie (bättre med induktion)
- 18,6% vs 22,2% sectio
- 7,3 vs 8,5% tång/VE

ORIGINAL ARTICLE

Labor Induction versus Expectant Management in Low-Risk Nulliparous Women

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Table 2. Primary Perinatal Outcome and Components.*

Outcome	Induction Group (N = 3059)	Expectant- Management Group (N = 3037)	Relative Risk (95% CI)†	P Value‡
	no. (%)			
Primary composite outcome	132 (4.3)	164 (5.4)	0.80 (0.64–1.00)	0.049
Perinatal death	2 (0.1)	3 (0.1)	0.66 (0.12–3.33)	
Respiratory support	91 (3.0)	127 (4.2)	0.71 (0.55–0.93)	
Apgar score ≤3 at 5 min	12 (0.4)	18 (0.6)	0.66 (0.32–1.37)	
Hypoxic–ischemic encephalopathy	14 (0.5)	20 (0.7)	0.70 (0.35–1.37)	
Seizure	11 (0.4)	4 (0.1)	2.74 (0.91–8.12)	
Infection	9 (0.3)	12 (0.4)	0.74 (0.31–1.76)	
Meconium aspiration syndrome	17 (0.6)	26 (0.9)	0.65 (0.35–1.19)	
Birth trauma	14 (0.5)	18 (0.6)	0.77 (0.38–1.55)	
Intracranial or subgaleal hemorrhage	9 (0.3)	7 (0.2)	1.28 (0.48–3.42)	
Hypotension requiring vasopressor support	2 (0.1)	5 (0.2)	0.40 (0.06–1.79)	

Lägre
sectiofrekvens
efter induktion, är
det en rimlig
frekvens?

Trend åt lägre
frekvens VE/tång

Även kortare
postpartumvård

Mer upplevelse av
kontroll och
mindre smärta

Table 3. Secondary Outcomes.*

Outcome	Induction Group (N = 3059)	Expectant- Management Group (N = 3037)	Relative Risk (95% CI)	P Value
Neonatal				
Transfusion of blood products — no. (%)	4 (0.1)	5 (0.2)	0.79 (0.20–2.74)	0.75
Hyperbilirubinemia — no. (%)†	145 (4.7)	142 (4.7)	1.01 (0.81–1.27)	0.91
Hypoglycemia — no. (%)	37 (1.2)	35 (1.2)	1.05 (0.66–1.66)	0.84
Admission to neonatal intermediate or intensive care unit — no. (%)	358 (11.7)	394 (13.0)	0.90 (0.79–1.03)	0.13
Maternal				
Cesarean delivery — no. (%)	569 (18.6)	674 (22.2)	0.84 (0.76–0.93)	<0.001‡
Operative vaginal delivery — no. (%)	222 (7.3)	258 (8.5)	0.85 (0.72–1.01)	0.07
Hypertensive disorder of pregnancy — no. (%)	277 (9.1)	427 (14.1)	0.64 (0.56–0.74)	<0.001‡
Chorioamnionitis — no. (%)	407 (13.3)	429 (14.1)	0.94 (0.83–1.07)	0.35
Third-degree or fourth-degree perineal laceration — no. (%)	103 (3.4)	89 (2.9)	1.15 (0.87–1.52)	0.33
Postpartum hemorrhage — no. (%)	142 (4.6)	137 (4.5)	1.03 (0.82–1.29)	0.81
Postpartum infection — no. (%)	50 (1.6)	65 (2.1)	0.76 (0.53–1.10)	0.15
Admission to ICU — no. (%)	4 (0.1)	8 (0.3)	0.50 (0.13–1.55)	0.26
Death — no. (%)	0	0	NA	NA
Median duration of stay in labor and delivery unit (IQR) — hr§	20 (13–28)	14 (9–20)		<0.001‡
Postpartum hospital stay — no. (%)				0.01‡¶
<2 days	322 (10.5)	317 (10.4)		
2 days	2191 (71.6)	2084 (68.6)		
3 days	399 (13.0)	452 (14.9)		
4 days	130 (4.2)	166 (5.5)		
>4 days	17 (0.6)	18 (0.6)		
Median scores on Labor Agency Scale (IQR)				
At 6–96 hr after delivery	168 (148–183)	164 (143–181)		<0.001‡
At 4–8 wk after delivery	176 (157–189)	174 (154–188)		0.01‡
Median labor pain scores (IQR)**				
Worst score	8 (7–10)	9 (8–10)		<0.001‡
Overall score	7 (5–8)	7 (5–9)		<0.001‡

När?

Vecka 41 eller annan tidpunkt?



Var?

På förlossningen, antenatalen,
BB eller annan plats?

Hur?

Metod, hur länge?