

Bilaga till rapport

SBU Utvärderar: Förlossningsrädsla, depression och ångest under graviditet, rapport nr 322 (2021)

Appendix 5 Table over included studies, interventions for fear of childbirth

Bilaga 5: Included studies; interventions for fear of childbirth

Abbreviations

n= number of participants; Na= not available; RCT= randomized controlled trial; I=intervention group; C=control group; Cl=confidence interval; p= probability value; ITT= intention to treat; ns= not statistically significant;

W-DEQ= Wijma Delivery Expectancy Questionnaire (33 items from 0="not at all" to 5="extremely", min=0, max= 30, higher score= more depressed); W-DEQ-A= prenatal W-DEQ; W-DEQ-B = postnatal W-DEQ;

EPDS=Edinburgh Postnatal Depression Scale (10 items from 0 to 3, min=0, max= 165, higher score= more fear;

EQ-5D-3L = healthrelated quality of life on a EuroQol 5-dimensional scale (five dimensions: mobility, self-care, usual activities, pain/discomfort and anxiety/depression; 3 levels: no problems, some problems, and extreme problems).

Tables

Author	Saisto
Year	2001
Country	Finland
Ref#	[1]
Study design	RCT
Setting	Between August 1996 and July 1999, Helsinki University Central Hospital
Recruitment	obstetrically low-risk and physically healthy pregnant women referred to the outpatient clinic
	because of fear of vaginal delivery
Population	n=85+91= 176; mean age (SD): I=31.2 (5.1), C=31.9 (4.8); nulliparous: I=51.8%, C=50.5%;
	gestational age in weeks at enrollment (SD): I=24.9 (1.7), C=24.9 (1.8); fear of childbirth, nr of
	affirmatives on screening questions, mean (SD): I=6,0 (1.7), C=5.7 (1.8).
Inclusion criteria	The cut-off point for diagnosis of fear of childbirth was five or more affirmative answers on 10
	screening questions or request for cesarean.
	Exclusion criteria: contraindication to vaginal delivery at the time of randomization
Follow up	Patient records postpartum (for outcome caesarian section)
Intervention	intensive therapy (routine obstetric check-ups combined with cognitive therapy regarding previous
Doubisin subs (n)	obstetric experiences, feelings, and misconceptions); 3-4 session with CBT-trained obstetrician.
Participants (n)	Randomized n= 85 analysed n= 85 (for outcome caesarian section)
Drop-outs (n)	n= 0 (for outcome caesarian section)
Comparison	conventional therapy (standard information distribution and routine obstetric check-ups, as well as
5	provision of written information about the pros and cons of vaginal delivery versus cesarean)
Participants (n)	Randomized n= 91, analysed n= 91
Drop-outs (n)	n= 0 (for outcome caesarian section)
Outcomes	Fear of childbirth
	- available but with high risk of bias Delivery
	- Cesarean for psychological reasons, n (%):
	1=20/85= 24%; C=26/91= 29%
	Mental health
	- available but with high risk of bias
	Experience of treatment

	- na
	Quality of life
	- na
	Obstetric complications
	- na
	Pain relief and other medications during delivery
	- na
Comments	
Risk of bias	High risk of bias for patient reported outcomes. Moderate risk of bias for outcomes from patient
	records.

Author	Rouhe et al.
Year	2013
Country	Finland
Ref #	[2] see also [3,4]
Study design	RCT
Setting	Maternity unit of Helsinki University Central Hospital 2007 to 2009
Recruitment	Screening of 12 000 consecutive and unselected Finnish- and Swedish-speaking pregnant
Recruitment	women who participated in routine ultrasound screening at the gestational age of 11–13 weeks
	women who participated in routine distance and screening at the gestational age of 11 15 weeks
Population	n= 371; mean age (SD): I=29.3 (4.6); C=29.4 (4.8); nulliparous= 100%; gestational age in weeks at
	intervention start (SD): I=27.6 (3.9); C=not applicable; fear of childbirth, W-DEQ-A mean (SD): I=113
	(11); C=113 (12)
Inclusion criteria	W-DEQ-A ≥ 100, nulliparous
	exclusion criteria= manifest psychosis and severe depression
Follow up	- Postpartum (3 months after delivery)
•	- data on the deliveries were derived from the hospital obstetric patient records.
Intervention	psychoeducative group therapy, six sessions during pregnancy and one after childbirth
Participants (n)	Randomized n= 131, analysed n= 131 (ITTanalysis)
Drop-outs (n)	Did not participate: n= 41
Comparison	care by community nurses and referral if necessary
Participants (n)	Randomized n= 240, analysed n= 240 (ITT analysis)
Drop-outs (n)	Received special care for fear of childbirth: n= 106
Outcomes	Fear of childbirth
	- W-DEQ-A, mean (SD)= na
	- W-DEQ-B (postpartum, answered by I=77 and C=124), mean (SD)
	I=63.0 (32); C=73.7 (29); p= 0.02
	Delivery
	- spontaneous vaginal delivery, n (%):
	I=83 (63.4); C=114 (47.5), P = 0.005
	- caesarean sections, n (%):
	I=30 (22.9); C=78 (32.5); p= 0.05
	- Elective caesarean sections, n (%):
	I=14 (10.1); C=31 (12.9); p= 0.62
	- Emergency caesarean sections, n (%):
	I=16 (12.2); C=47 (19.6), p= 0.05
	-vacuum extraction, n (%):
	I=18 (13.7); C=48 (20.0); p= 0.16
	- Induction of labour, n (%):
	I=30 (22.9); C=50 (20.8), p= 0.692
	Mental health
	-na

	Experience of treatment
	- na
	Quality of life
	-na
	Obstetric complications
	- Bleeding in ml, mean (SD):
	I=534 (484); C=589 (538), p= 0.35
	Gestational age at delivery (weeks), mean (SD):
	I=39.7 (1.5); C=39.6 (1.6); p >0.99
	Birthweight (g), mean (SD):
	I=3532 (550); C=3486 (518); p= 0.44
	Apgar (1 minute) < 7, n (%):
	I=14 (10.7); C=25 (10.4); p >0.99
	Postpartum interventions (suturing of deep lacerations or surgical evacuation of placenta or
	membranes postpartum), n (%):
	I=15 (14.9); C=16 (9.9); p= 0.24
	Pain relief and other medications during delivery
	- Epidural or spinal analgesia, n (%):
	I=85 (84.2); C=138 (85.2); p >0.99
Comments	
Risk of bias	Moderate

Author	Rouhe et al.
Year	2015a
Country	Finland
Ref#	[4] see also [2,3]
Study design	RCT
Setting	Finland, data from obstetrical patient records and questionnaires
Recruitment	na, reported elsewhere.
Population	n= 371; mean age (SD)=na (reported elsewhere) ; nulliparous= 100%; gestational age at
	intervention start= na (reported elsewhere); fear of childbirth= na (reported elsewhere)
Inclusion criteria	W-DEQ-A ≥ 100, nulliparous
	exclusion criteria= manifest psychosis and severe depression
Follow up	- T1= mean gestational age 20 ± 2 weeks
	- T2= mean gestational age 36 ± 2 weeks
	- T3= 3 months postnatally
	- Data on the deliveries were derived from the hospital obstetric patient records.
Intervention	psychoeducative group therapy, six sessions during pregnancy and one after childbirth
Participants (n)	Randomized n= 131, analysed n= 131 (ITTanalysis)
Drop-outs (n)	na (reported elsewhere)
Comparison	care by community nurses and referral if necessary
Participants (n)	Randomized n= 240, analysed n= 240 (ITT analysis)
Drop-outs (n)	Received special care for fear of childbirth: n= 106
Outcomes	Fear of childbirth
	- na
	Delivery
	-Spontaneous vaginal delivery with no complications, n(%):
	I=78 (63.4); C=112 (47.5); p = 0.005
	- elective caesarean sections with no complications:
	I=14 (10.7); C=31 (12.9%) (NS)
	- complicated caesarean sections, n (%):

	I=16 (12.2); C=49 (20.4); p < 0.05
	Mental health
	- emotional well-being in general (VAS; 0 = I am feeling bad; 10= I am feeling perfectly fine), mean:
	I=7.3; C=7.1; p=ns
	Experience of treatment
	- na
	Quality of life
	- satisfaction with life scale (SWLS; min= 5; max=30, higher scores= more satisfaction), answered by
	I=77 and C=124), mean:
	I=22.7; C=21.9; p= ns
	Obstetric complications
	- hemorrhage episodes, medial mL (range):
	I=400 (150 to 3000); C=450 (10 to 5050); p = 0.024
	Pain relief and other medications during delivery
	- na
Comments	
Risk of bias	Moderate

Author	Rouhe et al.
Year	2015b
Country	Finland
Ref #	[3] see also [2,4]
Study design	RCT
Setting	In 2007 to 2009
Recruitment	Screening for fear of childbirth among nulliparous women at the time of routine ultrasonography
	screening at the gestational age of 11–13 weeks.
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Population	n= 371; mean age (SD)=; nulliparous= 100%; gestational age at intervention start= 28th week of
	pregnancy; fear of childbirth:
Inclusion criteria	W DEC A > 100 mullinarous
inclusion criteria	W-DEQ-A ≥ 100, nulliparous
Follow up	- T1= mid-pregnancy (at 20±2 gestational weeks), n (I+C) = 107+177
rollow up	- T1= find-pregnancy (at 20±2 gestational weeks), it (i+C) = $107+177$ - T2= end of the third trimester (at 36±2 gestational weeks), in (i+C) = $82+121$
Intervention	- T3= 3 months after delivery (at 3 months±2 weeks postpartum), n (I+C) = 77+123
Participants (n)	psychoeducative group therapy, six sessions during pregnancy and one after childbirth Randomized n= 131
Drop-outs (n)	Did not complete intervention: n= 131-90= 41
	conventional care
Comparison Participants (n)	Randomized n= 240
Drop-outs (n)	Received special care for fear of childbirth: n= 106
Outcomes	Fear of childbirth
Outcomes	- W-DEQ-A, mean (SD): na
	- W-DEQ-A, Mean (SD): Na - W-DEQ-B (postpartum, n=201), mean (SD):
	I=63.0 (32); C=73.7 (29); p= 0.016, Cohen's d=0.35
	1-03.0 (32), C-73.7 (23), p- 0.010, Collett 3 u-0.33
	Delivery
	-Spontaneous vaginal delivery n (%):
	I=na (63.4); C=na (47.5); p = 0.005
	- caesarean sections, n (%):
	I=na (22.9); C=na (32.5); p= 0.05
	(21.5), 5 (31.5), 5
	Mental health
	- T1 EPDS, mean (SD):

	I=8.3 (5.8); C=8.9 (5.0)
	- T2 EPDS, mean (SD):
	I=7.5 (5.2); C=8.1 (4.7)
	- T3 EPDS (n=201), mean (SD):
	I=6.4 (5.4); C=8.0 (5.9); p=0.04, Cohen's d= 0.28
	Experience of treatment
	- na
	Quality of life
	- na
	Obstetric complications
	- na
	Pain relief and other medications during delivery
	- na
Comments	
Risk of bias	Moderate

Author	Fenwick et al.
Year	2015
Country	Australia
Ref#	[5] see also [6, 7, 8]
Study design	RCT
Setting	Australia, BELIEF study
Recruitment	recruited by research midwives in antenatal clinics of three metropolitan teaching hospitals
	in south-east Queensland, Australia between May 2012 and June 2013.
Population	n=339; mean age (SD) = na, reported elsewhere; nulliparous= na, reported elsewhere; gestational
	age at intervention start= na; fear of childbirth=na.
Inclusion criteria	WDEQ > 66; between 12 to 24 weeks gestation; aged 16 years and older; able to read, write and
	understand English; capacity to consent
Followup	6 wooks nostnartum
Follow up Intervention	6 weeks postpartum telephone calls of 10 to 104 minutes by a midwife
Participants (n)	Randomized n= 170, analysed n= 91
Drop-outs (n)	n= 79 (Lost to follow-up= 51; withdrew=28)
Comparison	usual maternity care
Participants (n)	Randomized n= 169, analysed n= 93
Drop-outs (n)	n= 76 (Lost to follow-up= 58; withdrew=16; removed < 66 WDEQ= 2)
Outcomes	Secondary outcomes of the BELIEF study.
	Fear of childbirth
	- na
	Delivery
	- Spontaneous vaginal delivery, n(%)
	I = 44 (48.4); C = 39 (41.9); 95% CI=0.72 – 2.31; p= 0.38
	- Forceps/ vacuum, n (%):
	I=16 (17-6); C=15 (16.1); 95% CI=0.51 – 2.40; p= 0.79
	- Caesarean section, n (%):
	I=31 (34.1; C=39 (41.9; 95% CI=0.39 – 1.30; p= 0.27
	- Elective caesarean section, n (%):
	I=15 (16.5); C=16 (17.2); 95% CI=0.43 – 2.05; p=0.88
	- Emergency caesarean section, n (%);
	I=16 (17.6); C=23 (24.7); 95% CI=0.31 – 1.32; p= 0.23
	- Induction of labour, n (%):

	1. 24/27 (A), C. 27/20 (A), OF (V. C), O. 7C, 2. 7F, in 0. 2F
	I=34 (37.4); C=27 (29.1); 95% CI=0.76 – 2.75;p= 0.25
	Mental health
	- EPDS Mean (SD), range:
	I=6.2 (5), 0–22; C=5.5 (4.7), 0–23; 95% CI=-0.67 – 2.14; p= 0.30
	Experience of treatment
	- na
	Quality of life
	- na
	Obstetric complications
	- Preterm birth, n (%), range weeks:
	I=7 (7.7), 32–36; C=3 (3.2), 28–35
	- Admit to nursery, n (%):
	I=16 (17.6); C=18 (19.4); 95% CI=0.42 – 1.87; p= 0.75
	Pain relief and other medications during delivery
	-Narcotic in labour, n (%):
	I=26 (28.6); C=29 (31.2); 95% CI=0.44 – 1.66; p= 0.65
	- Epidural analgesia, n (%):
	I=33 (36.3); C=33 (35.5); 95% CI=0.53 – 1.94; p= 1.00
Comments	
Risk of bias	Moderate

Author	Toohill et al.
Year	2017
Country	Australia
Ref#	[6] see also [5,7,8]
Study design	RCT
Setting	Australia, clinics across three maternity hospitals in Queensland, BELIEF Study
Recruitment	Women screened for childbirth fear May 2012 to June 2013 at the maternity hospitals
Population	n=339; age mean (SD): I=28.5 (na), C=28.7 (na); nulliparous= 56%; gestational age at intervention
	start= 24 weeks; W-DEQ-A mean (SD): I=80.0 (12.4), C=76.3 (10.6)
Inclusion criteria	W-DEQ A ≥ 66
Follow up	- T1: 36 weeks of gestation, n (I+C)= 170 + 169
	- T2: 6 weeks postpartum, n (I+C)= 91+ 93
Intervention	telephone psycho-education; two telephone calls of 10 to 104 minutes by a midwife
Participants (n)	Randomized n= 170
Drop-outs (n)	n=na
Comparison	Usual antenatal care
Participants (n)	Randomized n=169
Drop-outs (n)	n=na
Outcomes	Fear of childbirth
	- T1 W-DEQ-A, mean (SD), range:
	I=61.0 (19.7), 12 to 117; C=66.5 (18.2), 22 to 121
	- W-DEQ-B, mean (SD): na
	Delivery
	- Vaginal birth, unassisted, n(%):
	I=44 (48.4); C=39 (41.9)
	-Vaginal birth, assisted n(%):
	I=16 (17.6); C=15 (16.1)
	- Unplanned caesarean section, n(%):
	I=16 (17.6); C=23 (24.7)

	- Planned caesarean section, before labour commenced, n(%):
	I=11 (12.1); C=13 (14.0)
	- Planned caesarean section, after labour commenced, n(%):
	I=4 (4.0); C=3 (3.2)
	- Caesarean section, n(%):
	I=31 (34.1); C=39 (41.9)
	- Vaginal delivery, any, n(%):
	I = 60 (66%); C = 54 (58); OR 2.34
	Mental health
	- na
	Experience of treatment
	- na
	Quality of life
	- na
	Obstetric complications
	- na
	Pain relief and other medications during delivery
	- na
Comments	
Risk of bias	Moderate

Author	Toohill et al.
Year	2014
Country	Australia
Ref#	[7] see also [5,6,8]
Study design	RCT
Setting	Australia, clinics across three maternity hospitals in Queensland, BELIEF Study
Recruitment	Women screened for childbirth fear May 2012 to June 2013 at the maternity hospitals
Population Inclusion criteria	n= 339; mean age (SD): I=29 (5.9), C=29.2 (4.98); nulliparous, n (%): I=58 (57.4), C=58 (59.8); gestational age at recruitment, mean weeks (SD): I=18.2 (3.17), C=17.9 (2.8); W-DEQ-A, mean (SD): I=80.9 (13.1), C=75.7 (9.7). W-DEQ A ≥ 66, second trimester, able to communicate sufficiently in English, aged 16 years or older. Exclusion: women anticipating or experiencing a perinatal death (e.g., congenital abnormality incompatible) or stillbirth
Follow up	36 weeks' gestation.
Intervention	telephone psycho-education; two telephone calls of 10 to 104 minutes by a midwife
Participants (n)	Randomized n= 170, analysed n= 101
Drop-outs (n)	n=170-101= 69
Comparison	usual care offered by public maternity services
Participants (n)	Randomized n= 169, analysed n= 97
Drop-outs (n)	n= 169-97= 72
Outcomes	Fear of childbirth
	- W-DEQ-A, mean change (SD): I=19.52 (18.59), n= 98; C=96 9.28 (16.32), n=96; mean change
	difference (95% CI)= 10.24 (5.29 to 15.19), p < 0.001
	- W-DEQ-A, n that improved > 20 (%): I=48 (47.5), n= 98; C=25 (25.8), n= 96
	- W-DEQ-B, mean (SD): na
	Delivery
	- na

	Mental health
	- EPDS, mean change (SD): I=1.26 (4.98), n=101; C=0 .61 (5.30), n= 97; mean change difference
	(95% CI)= .65 (-0.79 to 2.09), p= 0.38
	Experience of treatment
	- na
	Quality of life
	- na
	Obstetric complications
	- na
	Pain relief and other medications during delivery
	- na
Comments	
Risk of bias	Moderate

Author	Turkstra et al.
Year	2017
Country	Australia
Ref #	[8] see also [5-7]
Study design	RCT
Setting	Australia, clinics across three maternity hospitals in Queensland, BELIEF Study
Recruitment	Women screened for childbirth fear at the maternity hospitals
Recruitment	women screened for childbirth real at the maternity hospitals
Population	n= 339;
1 opulation	mean age (SD): I=30.2 (5.82), C=30.5 (4.98); nulliparous= na; gestational age at recruitment= na;
	W-DEQ-A, mean (SD): I=82.4 (13.7), C=75.3 (9.11)
	W DEQ A, mean (30). 1–02.4 (13.7), C=73.3 (3.11)
Inclusion criteria	W-DEQ A ≥ 66, second trimester, able to communicate sufficiently in English, aged 16 years or
merasion enteria	older.
	older.
Follow up	6 weeks postpartum
Intervention	telephone psycho-education; two telephone calls of 10 to 104 minutes by a midwife
Participants (n)	Randomized n= 170, analysed n= 89
Drop-outs (n)	n=170-89=81
Comparison	usual care offered by public maternity services
Participants (n)	Randomized n= 169, analysed n= 95
Drop-outs (n)	n= 169-97= 74
Outcomes	Fear of childbirth
	- na
	Delivery
	- vaginal, unassisted, n (%):
	I=42 (47%); C=41 (43%)
	- vaginal, assisted, n (%):
	I=16 (18%); C=15 (16%)
	- caesarean, n (%):
	I=31 (35%); C=39 (41%)
	Mental health
	- na
	Experience of treatment
	- na
	Quality of life (as-treated analysis)
	- EQ-5D-3L, mean (SD):
	I=0.86 (0.15); C=0.88 (0.15)
	- EQ-5D-3L change, mean (SD):
	I=0.010 (0.16); C=0.016 (0.18)

	- EQ-5D-3L mobility (moderate/severe), n (%):
	I=8 (9%); C=9 (10%)
	- EQ-5D-3L self-care (moderate/severe), n (%):
	I=0 (0%); C=0 (0%)
	- EQ-5D-3L activities (moderate/severe), n (%):
	I=24 (27%); C=21 (22%)
	- EQ-5D-3L pain/discomfort (moderate/severe), n (%):
	I=30 (34%); C=29 (31%)
	- EQ-5D-3L anxiety/depression (moderate/severe), n (%):
	I=27 (30%); C=20 (21%)
	Obstetric complications
	-na
	Pain relief and other medications during delivery
	-na
Comments	
Risk of bias	Moderate

1.1 Referenses

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