Postpartum PTSD Symptoms: The Role of Fear of Childbirth and Peritraumatic Distress

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Why focusing on childbirth?

- Giving birth → Important event in a woman’s life
  - Joy
  - Fulfillment

- Positive event? Yes, but might lead to
  - Negative emotions
  - Poor psychological adaptation
  - Psychiatric disorders

Austin & Priest, 2005; Goutaudier et al., 2012; O'hara & Swain, 1996
Fear of childbirth has gained growing attention
6-10% of all pregnant women would be fearful
6% of women would suffer from an intense fear of childbirth

Fear of childbirth is related to
- Obstetric complications
- Emotional imbalance after childbirth
- Possible psychiatric disorders in postpartum

Areskog et al., 1981; Geissbueeler & Eberhard, 2002; Söderquist et al., 2006; Wijma et al., 1997
Psychiatric disorders in the postpartum period

- Baby blues
  - 30% to 75% of mothers
  - Onset: within a few days of childbirth, symptoms remit within days

- Postpartum depression
  - Quite common
  - Up to 20% of mothers

- Many studies on mood disorders
  - Anxiety disorders have received less attention
  - Results are inconsistent

O’Hara, 1995; O’Hara & Swain, 1996; Ross & McLean, 2006; Wardrop & Popadiuk, 2013
30% of women would describe childbirth as traumatic

- DSM-IV → Included childbirth as a potential traumatic event
  - Recognition of postpartum PTSD has emerged recently
  - Research is on the rise
  - Longitudinal studies → still lacking

- Difficult delivery
  - Increased risk for PTSD symptoms
  - BUT “regular ” delivery might lead to PTSD symptoms

APA, 1994; Creddy et al., 2000; Goutaudier et al., 2011; Goutaudier et al., 2012; Soet et al., 2003
Rates vary across studies

- 0.1 to 5.6% at 6 weeks postpartum
- Decrease to 1.5% at 6 months after childbirth
- 22.6 to 30% of mothers present at least 3 PTSD symptoms 4-8 weeks postpartum

Impact of postpartum PTSD on

- Mother-infant attachment
- Subsequent infant development

→ Importance of focusing on postpartum PTSD

Czarnocka et al., 2000; Goutaudier et al. 2012; Van Son et al., 2005; Woodruff-Borden, 2002
Postpartum PTSD: an overview

Predictive factors for developing postpartum PTSD symptoms

- Same as general trauma literature
  - Personality characteristics (i.e. trait anxiety)
  - Previous traumatic events
  - Lack of social support

- Factors specific to childbirth
  - Negative attitudes on the part of healthcare professionals
  - Postpartum depressive symptoms
  - Emergency cesarean section

Creedy et al., 2002; Keogh et al., 2002; Moczygemba et al., 2000; Soet al., 2003
Studies on fear of childbirth and postpartum PTSD tend to develop:
- Cross-sectional
- Lack of longitudinal studies

General trauma literature → special attention has been paid to immediate reactions occurring during the trauma:
- Peritraumatic dissociation
- Peritraumatic distress

Boudou et al., 2007; Bui et al., 2010; Goutaudier et al. 2012; Wijma et al., 1997
Lack of research on peritraumatic reactions in the perinatal field

- Few studies on peritraumatic distress / PTSD symptoms
- No longitudinal study on anticipatory fear of childbirth / peritraumatic reactions / PTSD symptoms

→ Importance of focusing on these factors

Boudou et al., 2007; Goutaudier et al. 2012; Wijma et al., 1997
Objectives

- To examine the association between peritraumatic distress and anticipatory fear of childbirth, and their ability to predict postpartum PTSD symptoms.

  a) Association between anticipatory fear of childbirth and peritraumatic distress at childbirth

  b) Association between anticipatory fear of childbirth, peritraumatic distress and postpartum PTSD symptoms

  c) Anticipatory fear of childbirth and peritraumatic distress at delivery → Predictors of the intensity of postpartum PTSD symptoms
Participants:
- Enrollment: public clinic (Toulouse, South of France)
- During the pre-delivery consultation
- At 35 weeks’ gestation

Inclusion criteria:
- Over 18
- Speaking French fluently

Exclusion criteria:
- High risk pregnancy
Instruments

Fear of Birth Scale
- Fear of Childbirth (total score 21-84)
- 21 Likert-type items (e.g. I’m feeling afraid)

Peritraumatic Distress Inventory
- Peritraumatic Distress (total score 0-52)
- 13 Likert-type items (e.g. I felt I might pass out)

Impact of Event Scale-Revised
- PTSD symptoms (total score 0-88)
- 22 Likert-type items (e.g. Pictures about delivery popped into my mind)

Beland et al., 2012; Brunet et al., 2001; Brunet et al., 2003; Jehel et al., 2005; Weiss & Marmar, 1997
**Procedure**

- **Time 1**
  - 35 weeks’ gestation
  - Demographics Questionnaire
  - Fear of childbirth

- **Time 2**
  - 2-3 days postpartum
  - Obstetrics Questionnaire
  - Peritraumatic Distress

- **Time 3**
  - 6 weeks postpartum
  - Postpartum PTSD symptoms
$n = 39$

Mean age = 32.8 ($SD = 4.6$) years

Mean weeks’ gestation: 35.7 ($SD = 1.2$)

Mean IES-R score: 7.6 ($SD = 9.3$)

One participant scored above cut-off for probably PTSD ($>35$) 2.5% of the sample
Hypothesis 1: 
Association between anticipatory fear of childbirth and peritraumatic distress at childbirth 

Results: 
Peritraumatic distress was positively correlated with anticipatory fear of childbirth \( (r = .37; p < .05) \)
Hypothesis 2:  
Association between anticipatory fear of childbirth, peritraumatic distress and PTSD symptoms

Results:  
The intensity of postpartum PTSD symptoms was positively correlated with  
Anticipatory fear of childbirth \( (r = .54; p < .05) \)  
Peritraumatic distress \( (r = .34; p < .05) \)
Hypothesis 3:
Anticipatory fear of childbirth and peritraumatic distress at delivery → Predict the intensity of postpartum PTSD symptoms

Results:
\[ F(2,36) = 8.95, \ p = .0007, \ \text{Adjusted } R^2 = .29 \]
\[ \beta = 0.11, \ p = .43 \text{ for peritraumatic distress} \]
\[ \beta = 0.52, \ p = .001 \text{ for anticipatory fear of childbirth} \]
Interpretation

Peritraumatic distress → not a predictor of the intensity of postpartum PTSD symptoms

Anticipatory fear of childbirth predicts above and beyond peritraumatic distress

Such fear → vulnerability to stress symptoms → postpartum emotional disorders?

Removal of A2 criterion → relevant regarding postpartum PTSD?

Anticipatory fear of childbirth → important factor
What to do with anticipatory fear of childbirth?

Programs focusing on anticipatory fear of childbirth
→ Prevent peritraumatic distress and PTSDsx from developing

- Self Efficacy Psycho Educatve Group Therapy

1) Psycho-education about anxiety / relaxation
2) Psycho-education about the fear, stages of delivery
3) Informing about birth process and pain relief (midwives)

→ Enhance feelings of safety and ability dealing with the fear
Interventions for postpartum PTSD: during pregnancy and the postpartum period

- **During pregnancy:**
  - Screening anticipatory fear of childbirth
  - Women at risk for developing postpartum PTSD symptoms

- **Post delivery:**
  - EMDR and CBT
  - Efficacy on anxiety disorders and postpartum PTSD

Ayers, 2007; Chabrol, 2006; Gamble, 2005; Iles, 2011; Sandström, 2008
Treatment of postpartum PTSD symptoms

“Advice” intervention
→ 2 sessions: 72h and 4-6 weeks’ postpartum
 Better understanding of the event, decrease irrational beliefs
 Talking about traumatic birth: decrease postpartum PTSDsx

Couple therapy
 Why? Negative impact of postpartum PTSD on fathers and marital relationship
 Couple therapy: Increase efficacy of maternal individual therapy

Ayers, 2007; Chabrol, 2006; Gamble, 2005; Iles, 2011; Sandström, 2008
Limitations

- Small sample size so far
- PTSD symptoms → self report questionnaire, not clinical interview
- Postpartum PTSD? Another trauma?
- Some PTSD symptoms (sleep interference, irritability) overlap with experiences that may be normal or expected in the postpartum period
Direction for future studies

- Longitudinal studies

- Examining long-term impact of postpartum PTSD on:
  - Mother
  - Child
  - Family

- Focusing on DSM-5 criteria D (negative alterations in cognitions and mood: persistent and distorted blame of self)

  → Important criterion in the perinatal field?
Thank you for your attention!

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