Manejo del Trastorno Bipolar en embarazo y postparto

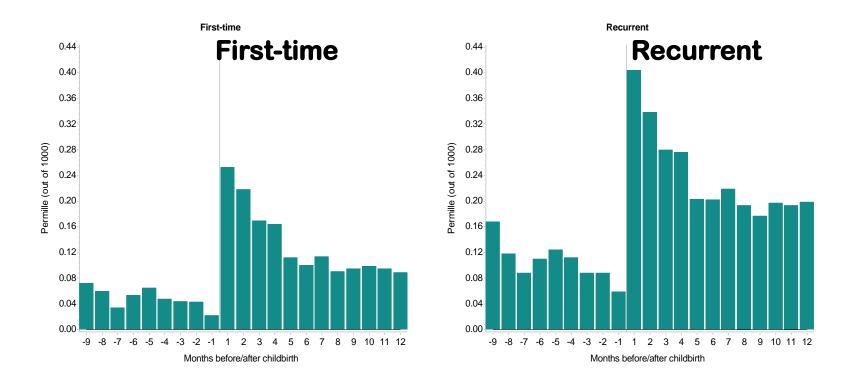
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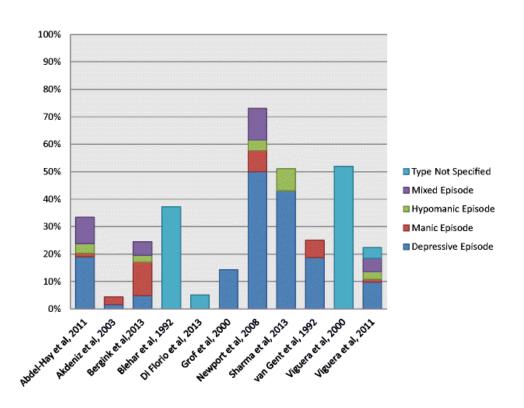
Pregnancy Embarazo



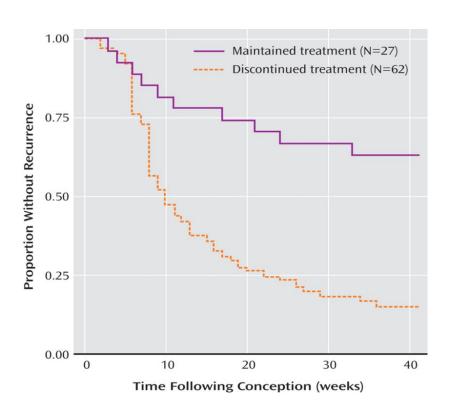


Psychiatric Admissions during pregnancy and after delivery, all psychiatric disorders

Recurrence/relapse during pregnancy



Recurrence during pregnancy



Pharmacotherapy (lithium) during pregnancy and recurrence/relapse postpartum

Proph	ylactic phar	macothe	rapy durir	ng pregnar	псув		
	Relapse rate (%)	Lower limit	Upper limit	Total N ^c			
Yes	23	14	37	60		>	
No	66	57	75	385		•	
					0%	50%	100%
I ² for y	/es=5%, I ² fo	or no=369	%, df=1, C	λ=22.92, p	<0.001		

Take home messages

In bipolar patients prophylaxis during pregnancy seems protective both for the pregnancy and the postpartum period.

Maternal and infant outcomes associated with lithium use in pregnancy: an international collaborative meta-analysis of six cohort studies

Trine Munk Olsen, Xiaoqin Liu, Veerle Bergink

Congenital malformations

Meta-analysis 6 studies

Lithium exposed = 727

Control group with unipolar and bipolar mooddisorders = 21397

Outcome:

- Increased risk first trimester exposure congenital malformations (pooled OR 1.71, 95% CI 1.07-2.72)
- Lithium group 7.4%, 4.3% in controlgroup
- Not specific cardiac malformations
- No association with obstetric complications, preterm birht or birthweight

 Lithium exposure during the first trimester is associated with congenital malformations in, recent studies estimate the risk lower than previously reported. Tapering of lithium during the first trimester should be considered but weighed against the risks of relapse.

- Patorno NEJM 2017
- Munk-Olsen Lancet Psychiatry 2018

Bipolar disorder, during pregnancy

Try to avoid polypharmacy and search for the lowest dose



Valproate and to a lesser extent carbamazepine are known teratogenics, lamotrigine is not

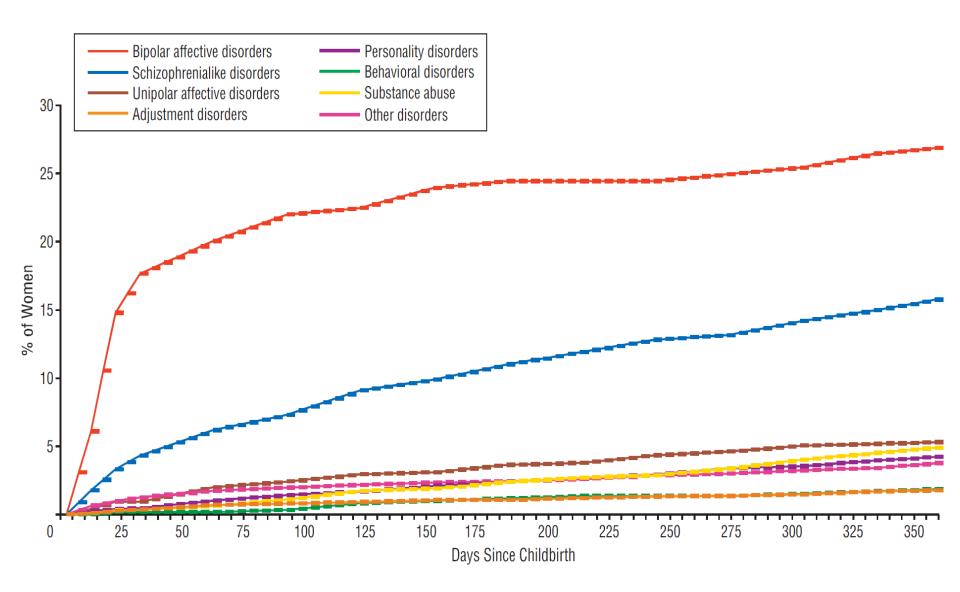
Lithium: teratogenic but only during first trimester of pregnancy, the absolute risk is less than previous thought

Antipsychotics: increased risk gestational diabetes

Antipsychotics and antidepressants: some concerns long term outcome children

Postparto





Postpartum psychiatric admissions

Highest risk of relapse postpartum

Women with bipolar disorder (BD)

 Women with a history of postpartum affective psychosis (PP)

Women with BD + PP

	Relapse rate	Lower limit	Upper limit	n relapse / n total	
Bipolar disorder					
2014 Maina 2014 Di Florio¹ 2014 Ardau 2013 Sharma 2013 Di Florio¹ 2012 Doyle¹ 2012 Bergink 2011 Viguera² 2010 Bilszta 2010 Colom 2009 Munk-Olsen 2008 Green 2007 Harlow 2006 Sharma 2006 Blackmore¹ 2005 Robertson¹ 2004 Wisner 2003 Kumar 2003 Kumar 2003 Freeman 2001 Jones¹ 2000 Viguera² 2000 Grof 1999 Pfuhlmann 1998 Blehar 1995 Hunt 1995 Cohen 1993 Kumar³ 1992 Van Gent 1992 Marks³ 1992 Van Gent 1992 Marks³ 1992 Austin 1991 Wieck³ 1989 Wieck³ 1989 Platz⁴ 1987 Kendell⁴	0.75 0.45 0.50 0.70 0.43 0.47 0.22 0.36 0.11 0.39 0.22 0.33 0.09 0.40 0.69 0.41 0.16 0.67 0.49 0.70 0.25 0.50 0.23 0.28 0.33 0.65 0.50 0.65 0.47 0.53 0.53 0.18 0.16	0.70 0.43 0.24 0.54 0.41 0.32 0.12 0.33 0.03 0.17 0.15 0.07 0.23 0.63 0.49 0.49 0.25 0.11 0.48 0.47 0.12 0.12 0.17 0.18 0.46 0.27 0.46 0.29 0.29 0.05 0.08	0.80 0.47 0.76 0.83 0.45 0.37 0.39 0.31 0.49 0.59 0.11 0.60 0.75 0.74 0.84 0.60 0.23 0.81 0.57 0.86 0.44 0.88 0.31 0.73 0.81 0.73 0.81 0.73 0.81 0.73 0.81 0.70 0.76 0.77 0.88 0.81 0.75 0.76 0.76 0.77 0.88 0.81 0.73 0.81 0.73 0.81 0.73 0.81 0.73 0.81 0.73 0.81 0.73 0.81 0.73 0.81 0.73 0.81 0.73 0.81 0.74 0.75 0.76 0.76 0.76 0.77 0.76 0.76 0.76 0.77 0.76 0.76 0.77 0.76 0.76 0.77	207 / 276 1052 / 2329 6 / 12 26 / 37 786 / 1828 20 / 43 9 / 41 403 / 1120 3 / 23 43 / 109 46 / 208 5 / 15 67 / 786 10 / 25 167 / 242 34 / 54 18 / 26 12 / 29 26 / 160 20 / 30 74 / 152 14 / 20 7 / 28 2 / 4 32 / 139 22 / 79 9 / 27 17 / 26 8 / 16 17 / 26 8 / 17 8 / 15 8 / 15 2 / 11 7 / 44	
History of postpartum ps	ychosis		_		
2014 Kapfhammer 2013 Blackmore 2012 Bergink 1999 Terp ⁵ 1999 Kirpinar 1998 Bagedahl 1995 Videbech ⁵ 1995 Sichel 1995 Meakin 1994 Schopf 1993 Rohde 1992 Benvenuti 1991 Stewart 1986 McNeil	0.48 0.55 0.14 0.18 0.39 0.50 0.25 0.14 0.30 0.40 0.26 0.57 0.14 0.17	0.31 0.43 0.05 0.14 0.28 0.12 0.10 0.02 0.10 0.27 0.13 0.23 0.05	0.66 0.67 0.31 0.24 0.51 0.88 0.62 0.56 0.44 0.86 0.36 0.41	14/29 37/67 4/29 49/266 25/64 2/4 4/16 1/7 3/10 17/42 8/31 4/7 3/21 3/18	

Postpartum relapse risk in bipolar disorder and postpartum psychosis: a systematic review and meta-analysis.

Wesseloo et al, Am J Psych 2015

Postpartum relapse risk bipolar disorder

	Relapse rate (%)	Lower limit	Upper limit	Total N			
Diagnostic group					1	1	1
Bipolar disorder ^b	37	29	45	5,105		•	
History of postpartum psychosis ^c	31	22	42	595		•	
Overall	35	29	41	5,700		•	
					0%	50%	100%

Risk is one out of three

There is an urgent need for:

- Better data

- Postpartum Relapse Prevention Plans

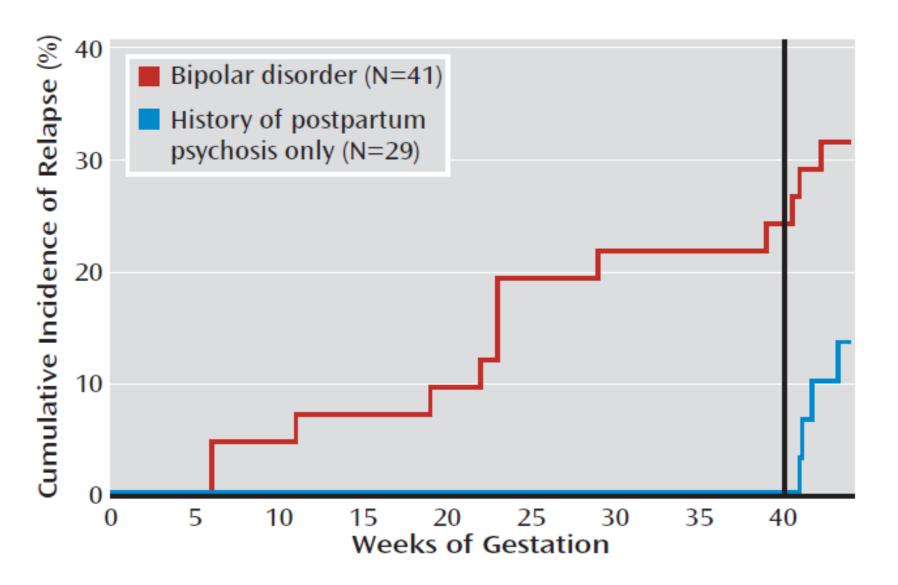
R. Wesseloo et al. Risk of postpartum relapse in bipolar disorder and postpartum psychosis: a systematic review and meta-analysis. Am J Psychiatry 2015

We started medication <u>after</u> delivery in medication free women (lithium first choice).



- Sleep
- Regularity

FIGURE 2. Cumulative Incidence of Relapse During Pregnancy and the Postpartum Period in Women With Bipolar Disorder or a History of Postpartum Psychosis Only



Prophylaxis beginning postpartum is sufficient, in women with a history of postpartum psychosis only (psychosis or mania limited to the postpartum)



Selected as one of the top 10 clinically relevant publications in psychiatry for 2012 and 2015



Diagnostic recommendations, Treatment algorithm Prevention plans

REVIEWS AND OVERVIEWS

Evidence-Based Psychiatric Treatment

Postpartum Psychosis: Madness, Mania, and Melancholia in Motherhood

Veerle Bergink, M.D., Ph.D., Natalie Rasgon, M.D., Ph.D., Katherine L. Wisner, M.D., M.S.

Objective: Psychosis or mania after childbirth is a psychiatric emergency with risk for suicide and infanticide.

Method: The authors reviewed the epidemiologic and genetic research and physiological postpartum triggers (endocrine, immunological, circadian) of psychosis. They also summarized all systematic reviews and synthesized the sparse clinical studies to provide diagnostic recommendations, treatment options, and strategies for prevention.

Results: The incidence of first-lifetime onset postpartum psychosis/mania from population-based register studies of psychiatric admissions varies from 0.25 to 0.6 per 1,000 births. After an incipient episode, 20%–50% of women have isolated postpartum psychosis. The remaining women have episodes outside the perinatal period, usually within the bipolar spectrum. Presumably, the mechanism of onset is related to physiological changes after birth (e.g., hormonal, immunological, circadian), which precipitate disease in genetically vulnerable women. Some women have treatable

causes and comorbidities, such as autoimmune thyroiditis or infections. N-methyl-p-aspartate-encephalitis or inborn errors of metabolism may present after birth with psychosis. Fewer than 30 publications have focused on the treatment of postpartum psychosis. The largest study (N=64) provided evidence that lithium is highly efficacious for both acute and maintenance treatment. Another report (N=34) described successful ECT treatment. Inpatient care is usually required to ensure safety, complete the diagnostic evaluation, and initiate treatment. The relapse risk after a subsequent pregnancy for women with isolated postpartum psychoses is 31% (95% CI=22-42). Strategies for prevention of postpartum psychosis include lithium prophylaxis immediately postpartum and proactive safety monitoring.

Conclusions: Postpartum psychosis offers an intriguing model to explore etiologic contributions to the neurobiology of affective psychosis.

AJP in Advance (doi: 10.1176/appi.ajp.2016.16040454)

Bergink et al, Am J Psych 2016 Bergink et al, Am J Psych 2015 Bergink et al, Am J Psych 2012

Take home messages

Start in prophylaxis postpartum in women at high risk (PP in history, bipolar)!

Most evidence for lithium Target dose > 0.8

Thank you!

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