

Perinatal Anxiety

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Perinatal Anxiety

Common: 1 in 5 perinatal individuals

Screening: GAD-7; with perinatal depression screening

Anxiety Symptoms:

Psychological:

Excessive worry
Feeling on edge
Hard to reassure
Intrusive thoughts
Feeling out of control
Panic

Physical:

Muscle tension
Fatigue
Gastrointestinal symptoms
Palpitations, chest pain
Shortness of breath
Dizziness

Worries about:

Fetal wellbeing
Pregnancy complications
Labor and childbirth
Health and safety of the baby
Ability to parent

What is the difference between clinically significant anxiety and normal worry? Many people have worries during pregnancy or postpartum and this can be normal. Clinically significant anxiety is excessive or irrational, causes significant distress, and/or interferes with functioning (e.g., ability to care for self/children, relationships, work, school)

Anxiety symptoms and/or positive screen (GAD-7 > 10)

Differential Diagnosis:

- *Situational stress/Adjustment disorder (anxiety related to stressful life events, intimate partner violence/abuse, pregnancy-related anxiety)
- *Anxiety secondary to medical condition (e.g., hyperthyroidism)
- *Anxiety secondary to substance use/withdrawal, medications
- *Primary anxiety disorder (meets DSM-5 diagnostic criteria for panic disorder, generalized anxiety disorder, social anxiety disorder, specific phobia)
- *Anxiety secondary to another psychiatric disorder (if obsessions/compulsions, think of OCD; if trauma history, nightmares/flashbacks, think of PTSD)

Consider comorbidity: Depression common; and many people with anxiety disorders have more than one!

Mild anxiety:

- *Address stressors, provide information, problem-solving, increased social support
- *Relaxation, mindfulness, meditation, yoga
- *Consider psychotherapy

Moderate/severe anxiety:

- *Psychotherapy (especially cognitive-behavioral therapy (CBT))
- *Medication (weigh risks of untreated anxiety vs. risks of medications, alternative treatments)

Risks of untreated anxiety:

- *Decreased placental blood flow
- *Increased stress reactivity, HPA axis activation, cortisol levels
- *Increased rates of preeclampsia, gestational hypertension, preterm birth, low birth weight, prolonged labor, postpartum hemorrhage
- *Increased risk of postpartum depression; impaired bonding
- *Cognitive and motor delays, emotional and behavioral problems in child



Perinatal Anxiety (Cont.)

Risks of medications in pregnancy and lactation:

- *SSRI antidepressants are first-line medication treatment for anxiety disorders
- *No consistent increase in rates of malformations
- *Persistent pulmonary hypertension of the newborn (PPHN; 2.9 vs. 1.8/1000)
- *Neonatal adaptation syndrome in 30%; worse if also taking benzodiazepines (symptoms include jitteriness, restlessness, irritability, increased muscle tone, diarrhea, tachycardia)
- *Monitor breastfed infants for sedation/poor feeding
- *Other medications can be used for adjunctive/as-needed treatment of anxiety (see Perinatal Anxiety Medications table on the next page for risks of benzodiazepines and other anxiolytics)

Alternative treatments:

- *Psychotherapy (CBT)
- *Mindfulness, meditation, relaxation
- *Exercise, yoga

Goal:

- *Treat to remission
- *Track GAD-7 to measure progress/outcome
- *If not improved, add medication/ psychotherapy to existing treatment, try switching to another SSRI or an SNRI, and/or seek psychiatric consultation/referral

Perinatal Anxiety Medications

The first-line medication treatment for an anxiety disorder is an SSRI or venlafaxine. The anxiolytic medications below may be useful as adjunctive treatment, for occasional as-needed (PRN) use, or for patients who cannot tolerate or do not respond to first-line treatment.

| Drug Name | Starting Dose (mg) | Up titration/dosing schedule | Side effects | Use in Pregnancy | Use during Lactation |
|--|---------------------------|---|--|---|--|
| BENZODIAZEPINES | | | | | |
| Alprazolam ^a (Xanax) | 0.25-0.5 TID | Increase weekly as needed; max 4 mg daily in divided doses ^b | Benzodiazepine side effects include sedation, incoordination, memory impairment, tolerance, dependence, withdrawal; avoid use with opioids (black box warnings) | No consistent increase in malformations ^c | RID 3%; reports of infant sedation, withdrawal symptoms with weaning/discontinuation |
| Clonazepam ^a (Klonopin) | 0.25 BID | Increase in increments of 0.125-0.25 mg BID to 1-2 mg daily as needed | | Increased rate of spontaneous abortion, preterm birth | Sedation, apnea reported in infants; monitor for sedation, poor feeding, poor weight gain |
| Diazepam ^a (Valium) | 2-5 BID | 2-10 mg 2-4 times daily | | Neonatal withdrawal, "floppy infant" syndrome; increase in NICU admissions | Sedation, weight loss reported in breastfed infants |
| Lorazepam ^a (Ativan) | 0.5-1, 2-3 times daily | Increase as needed to 2-6 (max 10) mg daily in divided doses | | Those with lower placental passage (e.g. lorazepam) preferred | Low levels in breast milk, no reports of sedation. Preferred benzodiazepine in lactation. |
| OTHERS | | | | | |
| Bupirone (Buspar) | 7.5 BID | Increase by 5 mg every 2-3 days to 15 mg BID. After 3 weeks, increase further as needed; max 60 mg/day in divided doses | Dizziness, drowsiness, headache, nausea | Limited human data (75 reports of first trimester exposure, one infant with malformations); no inc in malformations in animals | Limited data; low levels in breast milk; seizures in one infant exposed to multiple medications |
| Gabapentin ^a (Neurontin) | 100, 1-3 times daily | Increase to 300-600 mg TID as needed | Dizziness, drowsiness | Possible inc in heart defects; inc in preterm birth, NICU admissions | Limited data; RID 1-4%; no adverse effects noted in infants |
| Hydroxyzine ^{a,d} (Vistaril) | 25 | Increase to 50-100 mg up to QID as needed | Drowsiness, dry mouth | Possible inc in heart defects | Reports of infant sedation, irritability |
| Pregabalin ^a (Lyrica) | 25 BID | Increase as needed to 150- 600 mg daily in divided doses | Dizziness, drowsiness | Limited human data suggests no inc in malformations, adverse pregnancy outcomes, or adverse neurodevelopmental outcomes | Limited data; RID 7-8%; no adverse effects in one infant; manufacturer recommends against breastfeeding |

| Drug Name | Starting Dose (mg) | Up titration/dosing schedule | Side effects | Use in Pregnancy | Use during Lactation |
|---------------------------------------|---------------------------|--|--|--|--|
| Propranolol ^a (Inderal) | 10 | 10 mg as needed, one hour prior to event | Contraindicated with asthma, bradycardia, hypotension, CHF | No inc malformations; ± IUGR; neonatal bradycardia, hypoglycemia | Low levels in milk; bradycardia, sedation in 2 infants exposed to multiple medications |
| Quetiapine ^a (Seroquel) | 25 | Increase to 50-300 mg daily as needed | Sedation, weight gain, metabolic syndrome | >5000 exposures; no increase in malformations; neonatal syndrome | Low levels in milk; RID<1%; one infant with sedation |

^aCan be scheduled or prescribed PRN (as needed); buspirone is not effective as a PRN medication

^bDose for panic disorder can be 5-6 mg daily (max 10 mg daily) in divided doses

^cIncrease in malformations reported with benzodiazepine + SSRI exposure, but not with benzodiazepines alone

^dThe manufacturer of hydroxyzine does not recommend prescribing hydroxyzine

5/15/26

Perinatal Anxiety Resources

Review article:

Thorsness KR, Watson C, LaRusso EM. Perinatal anxiety: approach to diagnosis and management in the obstetric setting. *Am J Obstet Gynecol* 2018; 219:326-345.

Clinkscales N, Gold L, Berlouis K, MacBeth A. The effectiveness of psychological interventions for anxiety in the perinatal period: a systematic review and meta-analysis. *Psychol Psychother Theory Res Pract* 2023; 96:296-327.

GAD-7 in other languages:

The GAD-7 anxiety screening questionnaire is available in multiple languages at:

<https://www.phqscreeners.com>

Patient manual:

Gyoerkoe K, Wiegartz P, Miller L. *The pregnancy and postpartum anxiety workbook: practical skills to help you overcome anxiety, worry, panic attacks, obsessions, and compulsions*. Oakland, CA: New Harbinger Publications; 2009.

Websites for patients:

Calm

For meditation, dealing with stress, sleep

<https://www.calm.com/>

Headspace

For stress, anxiety, sleep, learning meditation

<https://www.headspace.com/>