# EMOTIONAL COMPLICATIONS IN THE PERINATAL POPULATION

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# DISCLOSURES

• Christina L. Wichman is the Medical Director of **The Periscope Project**, a free resource for health care providers caring for perinatal women who are struggling with mental health or substance use disorders. This program is funded by United Health Foundation and the Department of Health Services, State of Wisconsin.

# **OBJECTIVES**

- Identify concerning psychiatric symptoms in perinatal patients.
  - 🖝 Depression and anxiety spectrum
  - ➡ Validated screening tools
  - Imminent risk/safety concerns
- Describe first-line treatment regimens for depression and anxiety spectrum disorders that are considered appropriate for use in treating both pregnant and lactating women.

- FDA Pregnancy and Lactation Labeling Rule
- 🖛 First line treatment options
- 🖛 Risks to the fetus/infant of antidepressant use in pregnancy
- Documentation

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#### 27YO single woman, currently 25 weeks pregnant with her third child. Patient has a history of depression in the past, with recurrences, with one psychiatric hospitalization after a suicide attempt in her late teens. Multiple previous medication trials for depression. She had been relatively well-controlled on Vortioxetine (Trintellix) prior to pregnancy, but self-discontinued when she learned of her pregnancy. She now complains of depressed mood, poor sleep, and lethargy all the time, anxiety and sadness. Admits to having some difficulty in functioning, including caring for children and getting to work daily.

What is your next step in the management of the patient's depression?

# Identifying concerning psychiatric symptoms in perinatal patients.

- Depression and anxiety spectrum symptoms
- ► Validated screening tools
- Imminent risk/safety concerns

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# DEPRESSION

- <u>DSM-5 criteria</u>: **5 or more** symptoms present during the same **2-week period**, representing a **change from previous functioning**.
  - ➡Either **depressed mood** or **anhedonia** must be present

←Peripartum onset: onset during pregnancy or up to 1 year postpartum

# DEPRESSION

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- Risk factors:
  - Personal history of affective illness
  - Harital discord
  - Inadequate social supports
  - Recent adverse life events
  - In Lower socioeconomic status
  - Unwanted pregnancy

Cohen L. & Nonacs R., 2005.

# DEPRESSION

# • Often overlooked in pregnancy...

- ➡Poor sleep
- -Appetite changes
- -Decreased energy
- ➡Decreased libido

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# **DEPRESSION**

- Symptoms to guide diagnosis...
  - ► Lack of interest in pregnancy
  - ▶ Profound anhedonia ➡Guilty ruminations
  - Suicidal ideation

# **DEPRESSION**

• Be sure to screen for...

➡ Anemia

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- ➡Gestational Diabetes
- ► Thyroid dysfunction

All can present with depressive symptoms and may complicate the diagnosis of depression.

# MOOD SYMPTOMS IN THE POSTPARTUM PERIOD

# **Baby Blues** Affects 70-85% of women: Normall

Duration of symptoms <2 weeks

Little to no intervention needed

# Postpartum Depression

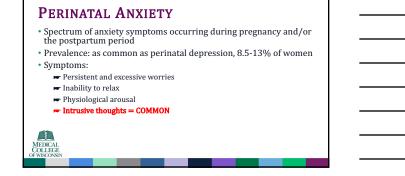
Cohen L. & Nonacs R., 2005.

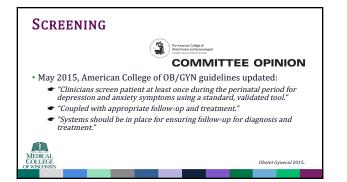
Affects ~10-15% of women Criteria for MDE Tends to have later onset (2-4 weeks PP)

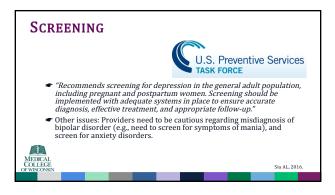
Severe/<u>impairing</u> symptoms usually present (anhedonia, sense of failure, suicidality, psychosis)

Self-limited

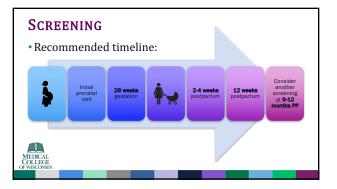
Mild

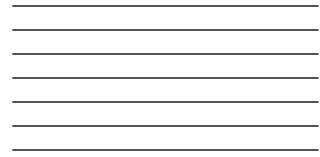






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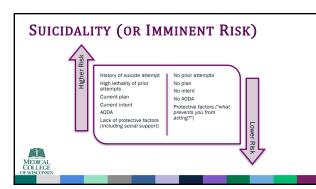




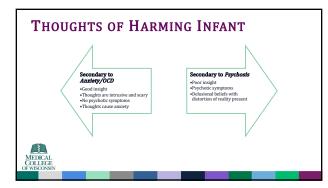
# **SCREENING: PRINCIPLES**

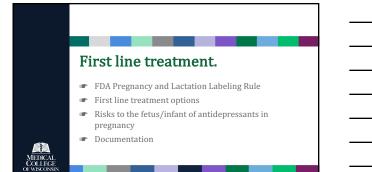
- ${}^{\bullet}$  Use a  $validated \ screening \ tool \ (most \ commonly \ used \ in \ pregnancy: EPDS and PHQ-9)$
- Have **protocols** in place to address:
  - Score above cut-off OR acknowledgement of self-harm (or harm to baby)
  - 🖛 Local mental health resources
- Emergent resources (if imminent risk is a concern)
   Normalize process: acknowledge that you (or your practice) screen ALL women for mood and anxiety disorders during pregnancy and postpartum
- Document as part of an office visit

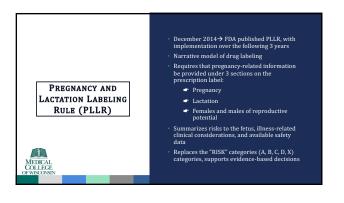
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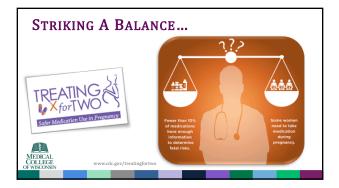


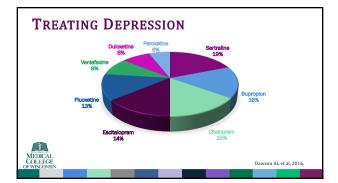


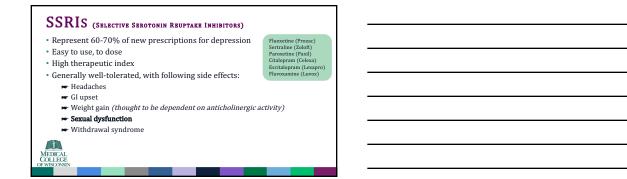




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# **SSRIs: Congenital Anomalies**

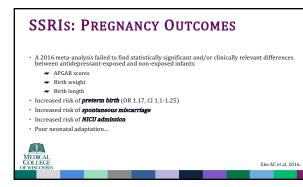
# No associations in <u>prospective</u>, controlled studies None in meta-analyses of those studies

- Retrospective case-control studies: some have not demonstrated increased risk
  - Some have suggested increased risk of:
    - Anencephaly (RR 2.4)
       Craniosynostosis (RR 2.5)
       Omphalocele (RR 2.8)

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- Retrospective database reviews = controversial (increased risk of septal heart defects)
  - "Worst" data = 1.5% risk of cardiac defects (general population = 1%)

Alwan S et al, 2007. Huybrechts KF et al, 2014.



# SSRIS: POOR NEONATAL ADAPTATION (PNA)

 Reports consistently indicate that ~25-30% of infants exposed to SSRIs in late pregnancy manifest symptoms of PNA

  *<i>Jitteriness, restlessness, irritability, increased muscle tone, rapid breathing*

- Symptoms are transient (average duration = 48 hours)
- Resolves spontaneously

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- No specific medical intervention required
- Proposed etiologies: transient dysregulation of the infant's serotonergic system, increased
  reactivity of the HPA axis
- Recent studies have suggested that discontinuation of SSRIs late in the third trimester (to facilitate a "washout period") does NOT prevent this syndrome

Kieviet N et al, 2016. Kieviet N et al, 2016. Kieviet N et al, 2015. Warburton W et al, 2010.

# SSRIS: PERSISTENT PULMONARY Hypertension of the Newborn

2014 meta-analysis of 7 cohort and case-control studies:
Exposure to SSR is <u>marky</u> pregnancy was not associated with PPHN
Beopure to SSR is <u>marky</u> pregnancy (der 20 weeks) was associated with PPHN
Thouse in <u>List pregnancy</u> (der 20 weeks) was associated with a pressed in the general population; 0.3% represents estimated highest risk with maternal SSR use;
And factors include pressature birth, maternal Ossety, Cenceline, machening factors (including) "center include as a pressing of their factors are more commond anology women with depression)".
The - which materne commended as change in labeling for SSR is to include a warning for PPHN-amended labeling in 2011 to reflect that the include in the mark change in labeling for SSR is to include a warning for PPHN-amended labeling in 2011 to reflect that the inclusion in the stabilished.

#### () REUTERS Antidepressants in Pregnancy Tied to Autism **SSRIs: AUTISM SPECTRUM** DISORDER provo SSRIs cause autient, but they rais Several epidemiologic studies demonstrated an association with prenatal exposure of SSRIs and ASD nts During Pregnancy Does Taking An Cause Autism? Beware confounding factors! Alter Park Apr 18, 201 TIME <sup>1</sup> Hould b Studies unable to distinguish between effects of drug exposure versus symptom exposure Studies attempt to control for maternal mental illness, but no reliable measures of severity The Wast ngton Post Maternal exposure to anti-depressant SSRIs linked to Data at face value: 87% risk Average child = 1% risk (SSRI exposure = 1.87%) Boukhris T et al, 2015. autism in children IEDICAL OLLEGE

### SNRIS IN PREGNANCY (SEROTONIN-NOREPINEPHRINE REUPTAKE INHIBITORS)



Lassen D et al, 2016.

- Risk of major congenital malformations after first-trimester exposure?
- Possible increase in miscarriage

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- Possible increased risk of gestational hypertension
   Monitor BP closely with initiation and with dose increases
   Concern if patient becomes pre-eclamptic
- No longer-term behavioral studies

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# WHAT ABOUT BENZOS?

• Early reports suggested in an increase risk of cleft lip/palate

• Not confirmed by more recent studies!

Toxicity in newborns

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Sedation, floppy baby syndrome, respiratory depression

• Concern for potential of physiological dependence and withdrawal for infant with chronic use throughout pregnancy

Ban L et al, 2014.

# THE RISK OF UNTREATED PSYCHIATRIC **З**УМРТОМS

# • Untreated psychiatric illness is not benign!

- 🖛 Spontaneous abortion
- ➡ Increased risk for congenital abnormalities (especially in cranial-neural crest derived structures (e.g., cleft lip/palate) ← Preterm labor/preterm delivery
- ➡ Low birth weight/fetal growth restriction
- ➡ Preeclampsia

➡ Behavioral concerns in children

# **DOCUMENTATION**

What should be documented:

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- Diagnosis, current symptom burden, period of stability, risk of relapse
   Non-pharmacological management/treatment options
- Specific risks of psychotropic exposure to developing fetus/breastfeeding infant dependent on gestational age
- Specific risks of untreated psychiatric symptoms to developing fetus, dependent on gestational age
   Educational resources provided to patient
   How you collaborated with providers (*if applicable*)

- Review of drug monitoring database (*if available in your state*)
  Collaborate, discuss, pick up the phone to discuss/consult with other providers!

**Clinical Pearls/** Recommended Resources



Glover V & O'Connor TG, 2002.

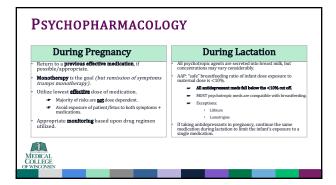
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# PRECONCEPTION PLANNING 50% of pregnancies are unplanned. *Rates are higher in women with psychiatric diagnoses!*

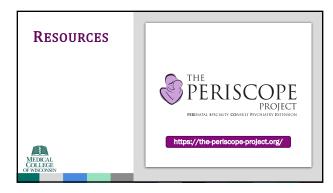
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- Ask + document about birth control and/or conception planning.
   ONE KEY QUESTION: "Would you like to become pregnant in the next year?"
- Discussion of the risks at the time of prescription/ administration of medications, rather than awaiting conception.
- medications, rather than awaring conception. • Encourage women to contact their mental health provider(s) immediately upon learning of pregnancy, prior to discontinuation of any medication.

The Na



# RESOURCES • Websites: "https://womensmentalhealth.org/ "https://nichd.nih.gov/ncmhep/initiatives/moms-mentalhealth-matters/ • Apps: "InfantRisk (free!) "Reprotox (free for trainees!) "MGHPDS (free!) "WGHPDS (free!)







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What is your next step in the management of the patient's depression?



• 34YO married woman, no previous pregnancies, attorney, anticipating conception in the upcoming several months. Has struggled with insomnia for several years, currently managed on zolpidem 10 mg nightly. Questioning safety profile of utilization of zolpidem in pregnancy and would like to know her options prior to conception.

➡ What would be your next steps in the management of this patient?





#### • 22YO single woman, in final year of college, currently 26 weeks pregnant. Pregnancy was unplanned. History of sexual assault as a teenager. Limited social support from FOB or family. Struggling primarily with anxiety symptoms surrounding life changes, worry about caring for infant independently, both financially and emotionally. Panic symptoms occurring several times weekly; she has started to miss classes/assignments in the past month. As pregnancy has progressed, there has been increased concern about delivery, likely stemming from trauma history. No previous psychotropic medication trials.

What is your next step in the management of this patient?

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