Stimulants

(Session 3)

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Objectives



Discuss screening for addiction during pregnancy.

Recognize benefits and contraindications for breastfeeding.

Discuss the role of Child Protective Services related to substance use during pregnancy.



Sex and Drugs

- Risk-taking behavior while intoxicated
 - Unprotected sex may lead to pregnancy
- Drug use causes irregular menstrual cycles, but can still conceive
 - May not realize she is pregnant for several months
- Prostitution
 - Sex for money to pay for drugs
- "Trading favors" sex for drugs
 - Consensual transaction
 - Impaired judgment while in "drug den"
- Unsafe sex
 - Not always able to use a condom
 - Risk of HIV, Hepatitis B and C, other sexually transmitted diseases
 - Risk of violence, fear of prosecution



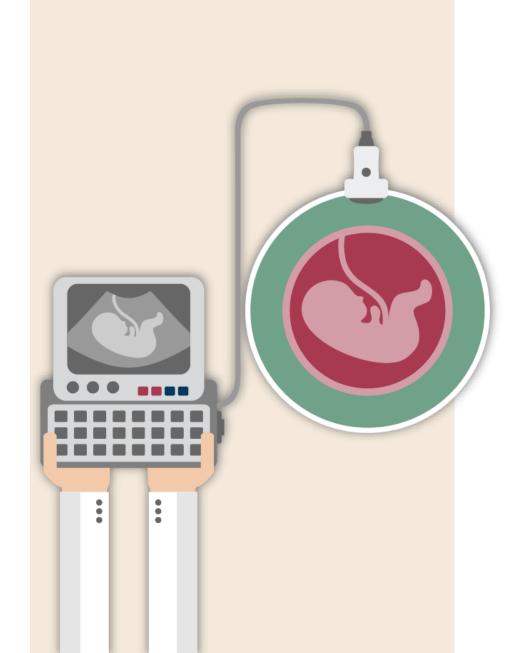
Pregnancy and Stimulants

- Increasing prevalence of stimulant-related diagnoses over time
- Risk factors for stimulant use during pregnancy
 - Non-Hispanic White race
 - Live in a rural area
 - Use Medicaid (lower socioeconomic status)
 - Multiple chronic conditions
 - Other substance use disorders



Stimulants: Effects on Fetus

- Pre-eclampsia
- Spontaneous abortion
- Placental abruption
- Fetal defects (malformations)
 - Due to fetal hypertension and vasoconstriction
- Intrauterine growth retardation
- Preterm delivery



Long-term Effects of Prenatal Exposure

- Cognitive and behavioral issues later in life
 - Motor delays and fine-motor skill problems
 - Language delays
 - Unclear whether meaningful for predicting later learning disorders
- Confounded by use of other substances during pregnancy
- 'Crack baby syndrome' disproven
 - Difficult to separate direct effects of in utero exposure from the effects of raising a child in the home of a parent who uses substances









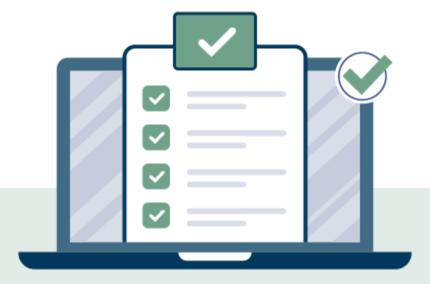
Barriers to Treatment



- Women wary of acknowledging problem
 - Fear of legal consequences (loss of custody)
- Reporting requirements
 - Public health authorities, child protective services
 - Criminal justice system
 - When identified or at time of delivery
 - Inform patient of legal obligation

Screening

- All pregnant women should be screened for substance use at the first prenatal visit
- Purpose of screening is to allow for treatment of SUD, not to punish or prosecute
- Screen for mental health issues
- Screen for HIV, hepatitis
- Screen for domestic violence



- Hospital survey
 - 97% do universal screening of pregnant women
 - Only 6% use a validated instrument
- Validated screening tool is best
 - DAST-10
 - 4Ps
 - CRAFFT (adolescents)
 - NIDA Quick Screen

Laboratory Testing



Can test mother and/or newborn

Positive biological test does NOT

- Indicate amount, frequency, or route of substance use
- Diagnose a current SUD
- Provide a result of parenting ability

Testing should not be done without the patient's (woman's) knowledge

Request for bodily fluid testing must be accompanied by informed consent

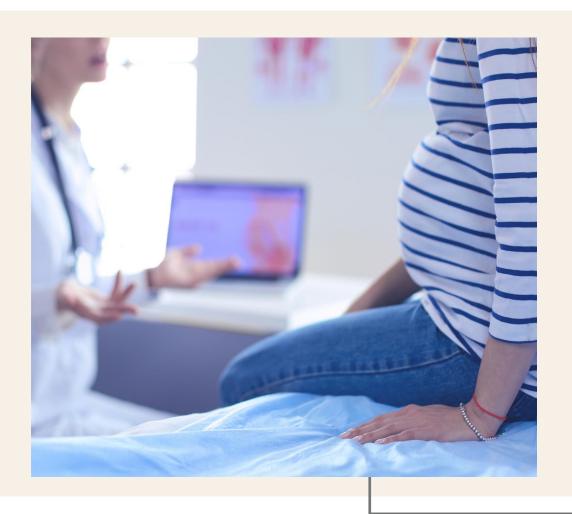
Respect autonomy

Initiating Addiction Treatment

- Explain that addiction is a complex disorder, and like other medical disorders, the woman is not totally responsible for acquiring it
- The patient <u>is</u> responsible for her own recovery
- Addiction is treatable be optimistic about her ability to overcome the disease
- Present reasons why it is best to stop using the substance(s)
 - Effects on unborn child
 - Maternal health/social effects
- Recommend a practical treatment plan



Collaborative Care in Pregnancy



Obstetric

Addiction treatment

Pediatric

Psychiatric

Ongoing healthcare

• HIV, HBV/HCV, STIs

Breastfeeding education

Contraception counseling

Breastfeeding

- Encouraged
 - Promote bonding
 - Optimal nutrition
 - Passive immunity
- Contraindications
 - Active substance abuse
 - HIV +
- Can breastfeed if positive for Hepatitis B or C (if no bleeding)
- Methadone or buprenorphine dose is not important consideration
- Decreases severity of NOWS



Home Environment

- A pregnant woman with addiction is often the product of poor parenting
- Support network for new mother
 - Family, self-help group, health care workers
 - Encourage involvement of significant other
 - Lack of support can lead to relapse
- Social services may need to be notified of unsafe living conditions



Parenting Skills



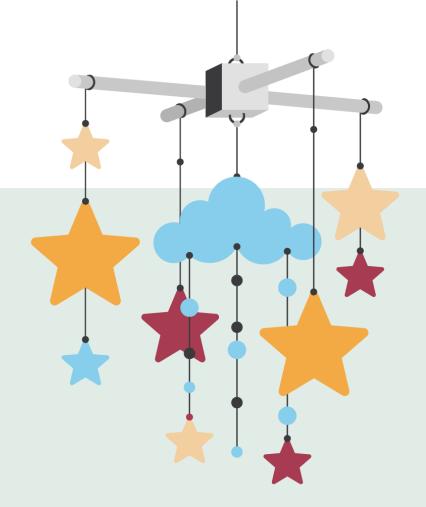
Education

- Breastfeeding
- Umbilical cord care
- Approach for 'fussy' infant
- Age-appropriate discipline for other children

Prevent frustration that leads to relapse

Partners and Family Members

- SUD programs must provide child care to be effective, but few do so
- Family members often fill in to provide child care
 - Newborn
 - Older siblings
- Partners and family members also need support
 - Education about NOWS
 - Age-appropriate discipline for siblings
- Encourage Nar-Anon and other support groups



Child Protective Services

- Federal Child Abuse Prevention and Treatment Act
 - Requires states to have policies and procedures to notify CPS of substance-exposed newborns
- Positive drug screen in mother or newborn warrants evaluation by CPS
- CPS workers are responsible for investigation of risk to the child
 - Addiction treatment clinician is not responsible for optimizing the home postpartum environment



Legal Issues



Mandatory reporting of positive drug screens may cause women to avoid disclosure of SUD during pregnancy

- Avoid prenatal care and hospital delivery
- Other children in custody of CPS
- Fear loss of children

Criminal justice system may help initiate addiction treatment

- Incentive to enter treatment prior to delivery
- Avoid potential prosecution

Continued custody of child may be contingent on adherence to treatment plan

Summary

- Stimulant exposure during pregnancy can cause intrauterine growth restriction and obstetric complications
- All pregnant people should be screened for substance use
- Breastfeeding is encouraged (as long as not actively using illicit drugs or HIV+)
- Support for mother and other family members is essential
- Anticipate and educate to prevent relapse

References

- Weaver MF, Jones HE, Wunsch MJ: Substance Use During Pregnancy: Management of the Mother and Child. In SC. Miller, et al (Eds.), Principles of Addiction Medicine, 7th Ed., Chevy Chase, MD: American Society of Addiction Medicine, Inc., pp 1691-1707, 2024.
- Pippard NS, Bandoli G, Baer RJ: Trends and adverse pregnancy and birth outcomes associated with stimulant-related disorder diagnosis. Addiction 2024;119:2006-2014.