Drugs in Pregnancy and Lactation

Rose deVigne-Jackiewicz, RN, MPH, IBCLC Kaiser Permanente – Dept. of Pediatrics (Retired 8/2019) Happy Healthy Moms and Babies (www.NurseRoseOnline.com) UCSD Lactation Program: Clinical instructor San Diego Breastfeeding Coalition: Board Member



Drugs in Pregnancy and Lactation

Introduction and Disclaimers

- Rose deVigne-Jackiewicz, RN, MPH, IBCLC

- Founder of Happy Healthy Mom's and Babies
 www.NurseRoseOnline.com
 Kaiser Permanente, San Diego, CA
 Outpatient Lactation Clinic (retired August 2019)
 Faculty, UC San Diego Lactation Programs
 Board member of San Diego Breastfeeding Coalition

I have nothing to disclose I may discuss off label use of medication(s)



Drugs in Pregnancy and Lactation

- Introduction to Drugs in Pregnancy and Lactation
 - Complicated issue
- M Objectives
 - Define medication safety
 - Describe mechanism of medication entry
 - List:

 - At least 2 teratogenic medications
 At least 2 preferred medications in pregnancy
 - At least 2 resources for medication safety in pregnancy and lactation
 - List at least 2 medications that affects lactation
- 🛛 Q & A



The "Old Norm"

- Pregnancy the "old fashioned way"
- Mom goes into labor "on her own"
- Baby delivers at 38-41 weeks gestation
- Several days in hospital



The "New Norm" Deliveries before EDC*** Assisted pregnancy More maternal problems M Advance maternal age Larger Premature Increased multiple babies staying with births moms on postpartum unit (not going to NICU) Surrogacy Increased C/S *** 38-41weeks ="term" deliveries Increased inductions

Regulatory Information

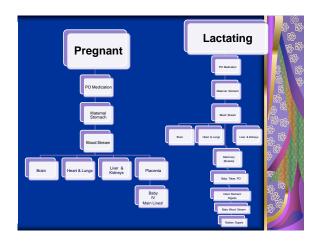
- Pregnancy & Lactation Labeling Rule
 - Updated Dec 2014 (effective June 2015)
 - No longer uses the pregnancy categories, A,B,C,D,X
- **Statistics**
 - Most women will use at least one (many more) medication during their pregnancy
 - Many will continue to use medications before they even know they are pregnant



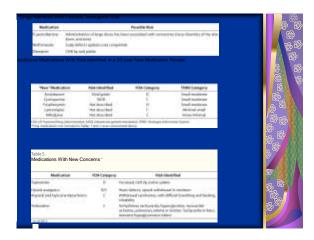














hohrania	Constraint
Tillegi, të Pingrate y anti i 11 tokon tiy Briggi. Promisin, Nafisi	Problems approximately interpolation in the first program to and include.
Lac Stand Ridge (formativities all agreement land utg/tendegen/LIPCT)	From and probleth corporation gos from access to the immunic file-convenient between the problem of the problem of the control of Concepted to object a select of Concepted to object a select of Concepted to object and control of Concepted to object of the control object of
Intel Charge	Apulational regulatory of the control of the contro
Modern and Mother's RM, by Horison McPaler	Published every 2 pt. Chandles reach paints based on trip width, t lowing the select used L3 being contexpiols and. Privileges only within an execution or predictation on betallow only.
1965	Machine Impulsey Magazine is advantagious Sporkey Machine Sporkey Machine Sporkey Machine Machine Interpolate Machine Interpolate Machine Interpolate Machine Interpolate Machine Mach
bell discourse and the officers of their stocks.	Calculation of the Control of the Co





Vaccines

- - Flu
 - Tdap
- M Avoid those with live virus
 - Chickenpox
 - MMR
 - Shingles
- Those at risk/traveling abroad
 - Hep A
 - Hep B
- www.cdc.gov/vaccine/pregnancy



Illicit Drug Use

MOF

WE

NO....

NC



Review

- **Cocaine**
- Methamphetamines/Amphetamines
- **I**LSD
- **M** PCP
- Marijuana
- Synthetic Marijuana
- **Opioids**



Benefits of Human Milk and Breastfeeding

- Medical
 - Anti-allergic properties
 - Anti-infective properties
 - Immunological properties
 - Involution of the uterus
 - Oral facial development
 - Family spacing
 - Weight adjustments
 - Less kidney load
 - Immobilizes bacteria in
- Enhances brain development
- Reduced incidence
- Juvenile diabetes
 - Adult chronic illness
 - Crohn's disease
 - Ulcerative colitis Breast cancer pre
- menopausal
- Ovarian cancer ■ Childhood cancers
- SIDS





Drugs In Lactation

- **Overview**
- How many mothers receive medications or drugs in the first week postpartum?
- Most medications pass to the milk
- M Prescription
- Over-the-counter
- M Herbs



BREASTFEEDING: WITH ALL WE KNOW AND TEACH, WHY DO SO MANY **MOTHERS STILL FAIL**

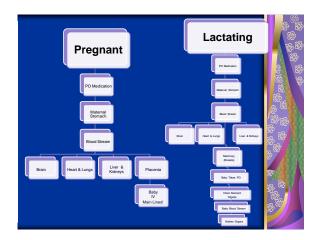


How Milk is made

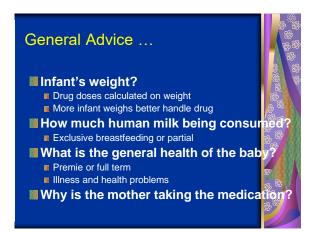
- Endocrine
- M
- Į.
- Autocrine











General Info about drug ... Mame of medication Dosage **Duration** of therapy **Route** of deliver of medication ■ IV - IM -Sublingual ■ PO - Topical -Vaginal Supp Subcutaneous - Rectal -Inhalants - Patch -Intra-ocular ■ Drug given orally may be inactive or absorbed by digestive system, so baby's system would inactivate drug

Questions for provider to consider...

Has drug been given to infants?
Has drug been given to other BF mothers?
What is the duration of drug therapy?
Is the drug short acting?
How well can the baby excrete the drug?
Accumulation over time of use
Does the drug interfere with lactation?

■Value of drug verse Value of human milk for infant?

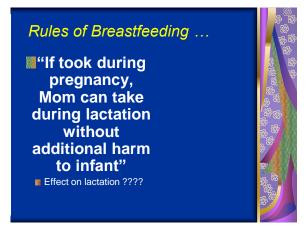


Common Medications taken during Lactation OTC Prescription Prenatal Vitamins Rx Pain pills Antibiotics Galactagogues Other types of vitamins: Common Medications taken during Lactation Prescription Antibiotics Calactagogues Others: Galactagogues Vitamins:















Contraindication vs. Disadvantages Porugs of Abuse Never Recommended/Mother's NEED to be told in very a straight forward way – DON'T DO IT Supervision AAP: "The committee on drugs believes strongly that nursing mothers should not ingest any of these compounds. Not only are they hazardous to the nursing infant but they are detrimental to the physical and emotional health of the mother."

Review Methamphetamines/Amphetamines Synthetic Marijuana

Most Important Question Mow old is the baby?

M Cocaine

MLSD **PCP** Marijuana Marijuana

™ Opioids



