

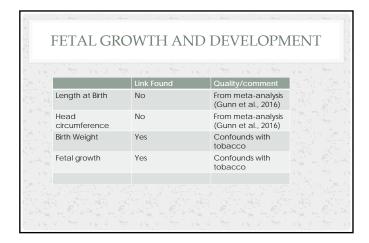


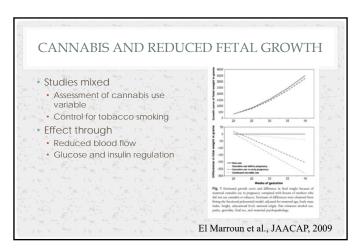
PHYSIOLOGY

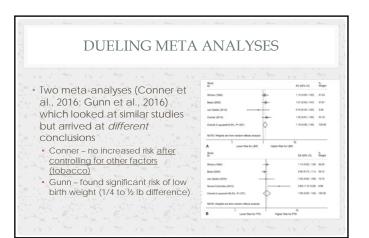
- THC and other active compounds crosses the placenta
 Cannabinoid system involved in many functions during
- fetal growth (Lubman et al, 2014)
- Neural stem cell survival and proliferation
- Migration and differentiation of glial and neural cells
- Neuronal connectivity and synaptic function
- Secreted in breast milk and can accumulate (Garry et al., 2009)
- Cannabinoid receptors also in other organs (heart, pancreas) and adipose tissue

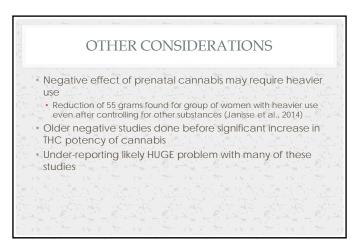
Link Found Quality/comment Stillbirth and spontaneous abortion 1 of 2 studies Positive study did not control for other factors

h				of Cannabis and	1.1
1. <u>9</u> 1.	Fetal Distress	No (2 studies)	Both studies old	Cunnabinoids	
	Maternal Diabetes	No	Smaller retrospective studies		
	Pre-eclampsia	No	Smaller retrospective studies	35	
	Anemia	Yes (not consistently)	Mechanism not understood Driven by one big study		









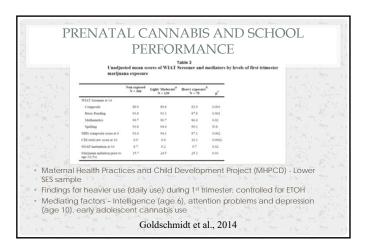
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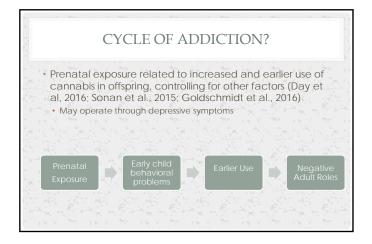


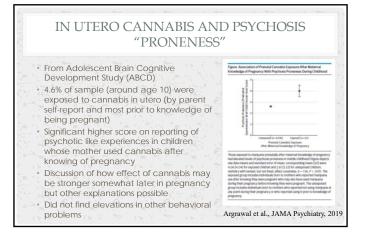
NEON	JATAL CON	IDITIONS
	Link Found	Quality/comment
Premature birth	No	From meta-analysis (Gunn et al., 2016)
ICU/NICU admissions	Yes	Need better control for confounders
Apgar scores	No	$\sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i$

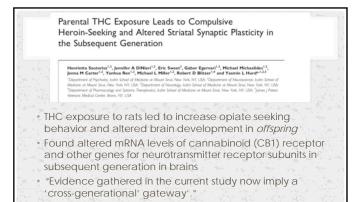
Contraction of the second	C	HILD OUTC	COMES	
2 - 1.5		Link Found	Quality/comment	14. 1. 12 . 13
	SIDS	For <i>fathers</i> only for use around conception or pregnancy	1 study (Klonoff- Cohen et al., 2001)	
	Physical growth	Yes – smaller head circumference until age 13	Fried et al., 2001	
	Cognition	Yes – short term memory	Not found on global cognitive measures	
	Achievement	Yes - lower reading scores, verbal reasoning	See details	

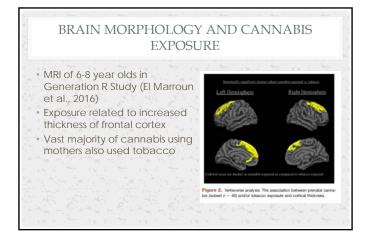


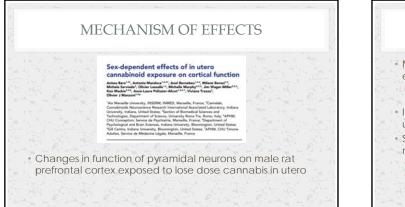
CHILD	OUTCOM	ES - BEHAVIOR	
	Link Found	Quality/comment	
Inattention	Yes	Not consistent	
Depression	Yes	Not consistent	
Aggression	Yes	Girls only and not after age 3	
Rule-breaking	Yes	Mediated by earlier depression and inattention	
Substance Use	Yes	Difficult to control for genetics	
Psychotic behavior	Yes	2 of 3 studies	

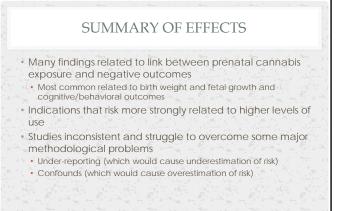






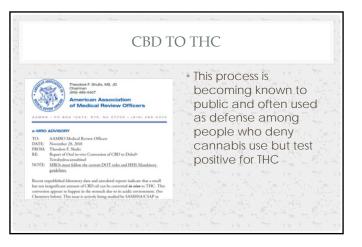


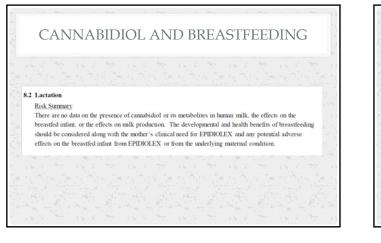


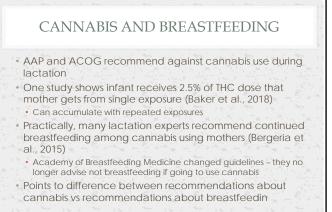












CLINICAL PROCEDURES

- Both AAP and ACOG recommend screening when a woman enters prenatal care
- If test, urine test most common but length of time someone test positive can vary based on pattern of use

PRIMARY GUIDELINES

• Ask the questions

- Describe the risks (Avoid the "just marijuana" thinking)
- Discuss treatment and alternatives
- rican College of Obstetricians and Gynecologists recommends the follo
- · Before pregnancy and in early pregnancy, all women should be asked about their use of tobacco, alcohol, and other
- drugs, including marijuana and other medications used for nonmedical reasons. Women reporting marijuana use should be counseled about concerns regarding potential adverse health conse of continued use during pregnancy. Women who are pregnant or contemplating pregnancy should be encouraged to discontinue marijuana use. .

- Pregnant women or women contemplating pregnancy should be encouraged to discontinue use of marijuana for medicinal purposes in favor of an alternative therapy for which there are better pregnancy-specific safety data.
 There are insufficient data to evaluate the effects of marijuana use on infants during lactation and breastfeeding, and in the absence of such data, marijuana use is discouraged.
- MANDATED REPORTING Wide concern that disclosing **RollingStone** cannabis use in pregnancy will result in child protective Weed and Pregnancy: How Ca Are Hurting Mothers service action Asked DCF Deputy Commissioner Karen Shea • "If the reporter believes cannabis use places child at risk, they would need to report. However, DCF would not accept the report if the only concern was prenatal use of cannabis.' Investigate for lack of supervision

