

Consult Series 453

RAHEPATIC CHOLESTASIS

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PREGNANCY

WHEN: 2nd & 3rd trimester of pregnancy

INCIDENCE: 0.3% to 0.5% [most estimates]

Pruritus affects 23% of Pregnancies MOST COMMON: no parhologic cause

PATHOLOGIC CAUSES:

atopic eruption of pregnancy (AEP) MOST COMMON PRURITIC DID POLYMOTPHIC eruption of pregnancy (PEP) [MOST COMMON DERMATOSIS] Pemphigoid gestation is (PG) [RARE] intrahepatic cholestasis of pregnancy (ICP)

ASSOCIATED FINDINGS

eczematous rash on face, antecubital popliteal fossa, trunk Pruritic urticarial papules à plaques on abdomen à thighs vesicles & bullar.

generalized itching + palms & soles, worse at night no rash

Primary biliary cholangitis

Obstructive bile duct lesion

nhenothiazines ampicillin)

Liver tumor

cytomegalovirus)

Hepatic amyloidosis

Henatic sarcoidosis

Autoimmune hepatitis

Total parental nutrition

Crohn disease

Idiopathic adulthood ductopenia

Familial intrahepatic cholestasis

Sickle cell intrahenatic cholestasis

Henatic congestion from heart failure

Lymphoma and solid organ malignancies

Other causes of elevated bile acids

Primary sclerosing cholangitis (associated with inflammatory bowel

Bacterial, fungal, and viral infections (eg, Ebstein-Barr virus and

Drug-induced cholestasis (trimethoprim-sulfamethoxazole,

Conditions associated with pruritus without rash

Chronic renal failure

Hypo- or hyperthyroidism

Liver disease

Malahsomtion

Parasitosis or helminthosis

HIV Hodokin disease

Leukemia

Non-Hodgkin lymphoma

Polycythemia rubra vera

Tumors (paraneoplastic)

Drugs (hydrochlorothiazide, opioids, among others) Multiple sclerosis

Psychiatric disease (anxiety, depression, obsessive compulsive disorder).

Society for Maternal-Fetal Medicine. SMFM Consult Series #53: Intrahepatic cholestasis of pregnancy. Am J Obstet Gynecol 2020.

ASSESS: Conset

Timina Severity

PMHX Meds & Allergies Pets

Hx of IVDU Risk factors for hepatitis





RED FLAG FOR ALT CAUSE

- excessive fatique
- · insomnia
- · malaise
- · abdominal pain
- clevated bile acids before the second trimester



Itching + Normal bile acids?

💃 itching can precede 🕈 bile acids by several weeks

.. if sam persist -> repeat testing

Society for Maternal-Fetal Medicine. SMFM Consult Series #53: Intrahepatic cholestasis of pregnancy. Am J Obstet Gynecol 2020. COMPLICATIONS

~1.2% of stillbirth at term is attributable to ICP] 1 higher stillbirth rate

- Pathophysiology UNKNOWN but hupothesized to be 2/2 fetal arrhythmia or placental vasospasm
 - -data suggest risk of stillbirth is associated wi TBA level
- 2higher preterm birth, asphyxia, respiratory distress syndrome, meconium-stained fluid
 - Prevalence of Spontaneous Preterm birth + W + TBA level
- 3.higher risk for preeclampsia

DIAGNOSIS

Pruritis + + total serum bile acids - diseases associated w similar findings [some cinicians make tx on climical sum alone]



WHO IS AT RISK?

women w preexisting hepatobiliary disease women w history of ICP has been associated in multiple gestations & AMA

*transaminitis can be seen, but is not necessary

*fasting value NOT necessary

follow up laboratory testing may help guide delivery timing BUT Serial testing (eg. Weekly)
15 NOT RECOMMENDED

If SXMS persist 4-6 weeks after delivery, biochemical testing should be repeated. If ABNORMAL → liver specialist

TREATMENT

- Ursodeoxycholic acid (UDCA) = 1st line for tx of maternal sxms
 - -data on whether UDCA improves perinatal autcomes are less conclusive
 - dose = 10-15 mg/kalday [divided into 2 or 3 daily doses], MAX 21 mg/kalday
 - + pruritis in 1-2 weeks, + labs in 3-4 weeks