### Hormones of Lactation Check List

#### Prolactin
- Did the milk ever come in?
- Family hx alcoholism
- Postpartum hemorrhage->
- Partial pituitary damage or Sheehan's
- Prior traumatic head injury
- History of autoimmune/auto-inflammatory conditions (lactotroph antiautobodies?)
- History of good serum prolactin level, normal breast development but poor milk output (macroprolactin?)
- History of HyperPRL or pituitary adenomas
- History of prolactin suppressing drugs
- Current or prior history of low prolactin level for stage of lactation
- Responsive/non-responsive to galactogogues
- Lower than avg serum prolactin levels in pregnancy
- Testing: Note timing of test, context of avg number of feeds/pumps for better interpretation

#### Insulin
- Type 1 diabetes
- Type 2 diabetes / Gestational diabetes
- Insulin resistance/ hyperinsulinemia
  - Acanthosis nigricans, skin tags
- Risk factor: rapid pregnancy weight gain or pre-pregnancy obesity
- Risk factor: PCOS
- Risk factors: timing of onset

#### Androgens
- Elevated testosterone, DHEA, DHEA-S, dihydrotestosterone, androstenedione, FT index; low SHBG
- Hirsutism (male pattern body hair)
- Adult acne
- Androgynous (male) body shape
- Risk factor: insulin resistance or PCOS
- Risk factor: hx SGA or pre-eclampsia
- Risk factor: CAH (Congenital Adrenal Hyperplasia)
- Gestational Ovarian Theca-lutein cyst

#### Obesity
- High BMI
- Poor prolactin surges during bfg?
- Insulin resistance/diabetes
- Hyperandrogenism
- Risk factor: hx hypertension
- Risk factor: High estrogen
- Risk factor: PCOS

#### Estrogen
- History of estrogen dominance
- History of low estrogen
- Estradiol response to pregnancy
- Risk factor: Obesity or PCOS