

Narrowing Down Hormonal/Metabolic Causes of LMP

Prolactin



Problems:

- Primary Low PRL
- Poor feed surges

OR:

- Hx hyperPRL
- Prior med tx?
- Macro PRL?

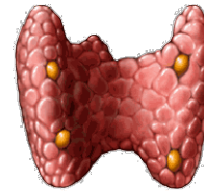
Risk Factors

- Hx low E2
- Hx HypoT

Thyroid

Low T Clinical symptoms:

- Fatigue
- Weight gain



Lactation Symptoms:

- Sluggish production
- Sluggish MER

Oxytocin

Lactation Symptoms:

- Sluggish MER/ slow drainage

Risk Factors

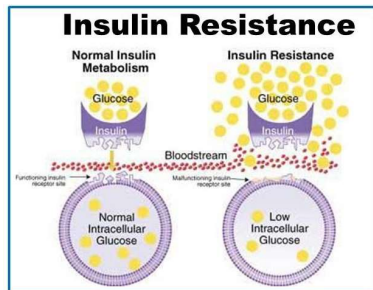
- Chronic stress
- Breast surgery
- Hx HyperT
- CX43 problem?
- Pitocin aug?



Insulin

History:

- Abnormal glucose tolerance test (GTT)
- A1C ↑
- GDM
- PCOS
- Obesity
- Type 1 or 2



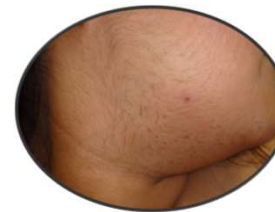
Common Clinical symptoms:

- Acanthosis nigricans • Skin tags

Androgens

Risk Factors

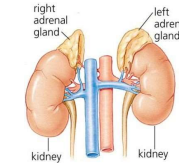
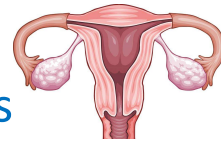
- Pre-eclampsia
- Hx SGA baby
- Lab hx of elevated androgens
- Lab hx of low SHBG
- Obesity • PCOS
- Gest. Ovarian Theca-lutein cyst



Possible Clinical symptoms:

- Hirsutism • Acne • Alopecia
- Androgynous build

Ovarian Androgens



Adrenal Androgens

Other

- Zinc/Zinc transporter
- Maternal age
- Hypertension
- Accelerated involution
- Infertility