

# MFM – LITE EPISODE 1

Optimizing Pre-conception and Early Pregnancy Care for those with Pre-existing Hypertension, Previous Pre-eclampsia/C-Section/Preterm Birth, and Thyroid Disease



## PRE-EXISTING HYPERTENSION<sup>4</sup>

- Discontinue any ACEi or ARB
- Switch to a medication safe in pregnancy (Labetalol, Nifedipine ER, Methyldopa)
- Refer/Consult with OB
- BP Targets : SBP 130-155 & DBP 80-105
- ASA 162mg start between weeks 12 & 16

**\*\*Remember to consider ASA start in other populations at risk for pre-eclampsia\*\***

- SLE, preeclampsial DM, BMI > 30, ART, antiphospholipid antibody syndrome, multifetal pregnancy, AMA<sup>4</sup>

## PRE-EXISTING THYROID DISEASE<sup>1,2,7,8,9</sup>

Ideally any patient with thyroid disease should be stable in their disease for at least 6 months prior to conception<sup>2,9</sup>

### Risks of Untreated Thyroid Disease

**Hypothyroid** : impaired neuropsychiatric development, low birth weight, SA, preeclampsia, PTB, abruption, stillbirth<sup>1</sup>

**Hyperthyroid** : PTB, low birthweight, SA, still birth, preeclampsia, HTN, heart failure, Afib, thyroid storm<sup>1</sup>

Primary Hypothyroidism on Synthroid	Hypothyroidism Secondary to Graves Disease	Hyperthyroidism on anti-thyroid Medications
Measure TSH Q4 weeks for first half of pregnancy and then once per trimester <sup>2,3</sup>	Measure TSH <sup>2</sup> Measure TRAB <sup>2</sup>	Measure TSH <sup>2</sup> Measure Free T4 <sup>2</sup> Measure TRAB <sup>2</sup>
Increase Levothyroxine dose at 25% at time of pregnancy diagnosis <sup>1</sup> unless preconception TSH < 1.2 <sup>9</sup> Avoid taking medication with iron or calcium <sup>9</sup>	Increase Levothyroxine dose at 25% at time of pregnancy diagnosis <sup>1</sup> unless preconception TSH < 1.2 <sup>9</sup>  TRAB (+) = refer to OB <sup>1,2</sup> Delivery where pediatrics available <sup>1</sup>	OB/MFM/Endo referral <sup>2</sup>  Methimazole is teratogenic in first trimester <sup>1,2,9</sup>

**Additional Resource** – Summary of Approach to Thyroid Disease in Pregnancy and Contains a Table of TSH and Thyroid Hormone Reference Ranges in Pregnancy : <https://www.departmentofmedicine.com/endocrinology/endo-clinics/endo-endocrine-pathways/endo-thyroid-function-pregnancy/>

## Previous Pre-Term Birth<sup>5</sup>

1. Screen and Treat Bacterial Vaginosis
2. Review Substance Use
3. Eligible for vaginal progesterone?



## PREVIOUS C-SECTION<sup>6</sup>

If TOLAC desired, counsel patients to have an interbirth interval of 18 months or greater

# REFERENCES

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