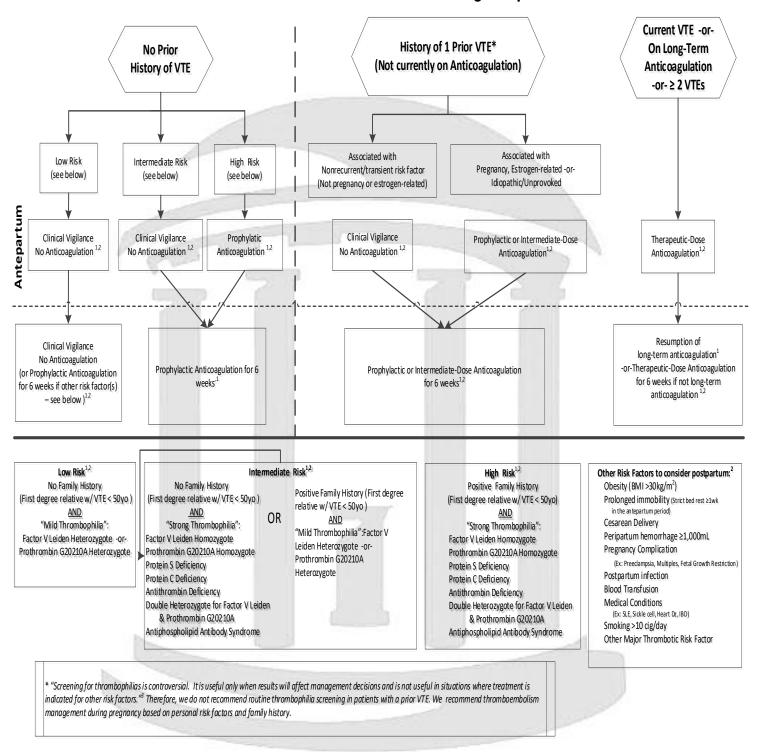


# **Thromboembolic Disease in Pregnancy**



	ANTICOGULATION REGIMENS <sup>1,2</sup>
Low Molecular	Weight Heparin (LMWH)-Recommended <sup>2</sup>
Prophylactica	Enoxparin 40 mg sq once daily
	Dalteparin 5,000 units sq once daily
Intermediate <sup>b</sup>	Enoxaparin 40mg sq q12hrs
	Dalteparin 5,000 sq units q12rs
Therapeutic <sup>c</sup>	Enoxparin 1 mg/kg sq q12hrs
	Dalteparin 200 units/kg sq once daily -or- 100units/ kg sq q12hrs
	Heparin (UFH) <sup>d, e</sup>
Prophylactic	1 <sup>st</sup> trimester: 5,000-7,500 units sq q12hrs
	2 <sup>nd</sup> trimester: 7,500-10,000 units sq q12hrs
	3 <sup>rd</sup> trimester: 10,000 units sq q12hrs
Intermediate	5,000-10,000 units sq q12hrs (Adjust to target AntiXa 0.1-0.3 units/mL)
Therapeutic	216u/kg q12hrs (Adjust to target aPTT of 1.5-2.5, 6hrs after injection)
recommended r b: At extremes o c: Consider cheo d: Consider eval	actic dosing, do not need to monitor AntiXa or apTT levels, unless clinically suspect levels outside of range. <sup>1</sup> (Goal: 0.2-0.4 units/mL for prophylactic dosing) <sup>1,3</sup> of body weight, dose modification may be required. <sup>1</sup> cking Anti-Xa Levels 4-6hrs after injection (Goal 0.6 -1.0 units/mL for q12hr therapeutic dosing) <sup>1,3</sup> luation for Heparin-induced Thrombocytopenia (HIT): Check CBC on days 3, 7, & 14 after starting UFH ium supplementation <sup>2</sup>

## PERI-DELIVERY

#### - Change to UFH at 36 weeks

(or earlier if anticipate preterm delivery)

## INTRAPARTUM

- Hold Anticoagulation
- For patients on LMWH/UFH:
- \*Last therapeutic dose should be ≥24hrs before regional anesthesia
- \*Last prophylactic dose should be ≥12hrs before regional anesthesia
- For patients on UFH, regional anesthesia when PTT normal
- Sequential compression devices

## POSTPARTUM

- If restarting LMWH/UFH<sup>1</sup>:

\* Prophylactic: 6 hours after vaginal delivery

- 12 hours after cesarean delivery
- (Must be  $\geq$  2 hours after epidural removal )
- \* Therapeutic: 12 hours after vaginal/cesarean delivery
- (Must be ≥ 12 hours after epidural removal)

- If starting Coumadin:

- \* First Dose pm after delivery
- \* Bridge with LMWH/UFH for 5 days and until INR 2-3 for 2 days.
- \* Breast feeding permitted
- Sequential compression devices

## **References:**

1) Thromboembolism in pregnancy. Practice Bulletin No. 123. American College of Obstetricians and Gynecologists. Obstet Gynecol 2011; 118:718-29.

2) Bates SM, Greer IA, Middeldrop S, Veenstra DL, Prabulos A, Vandvik PO. VTE, Thrombophilia, Antithrombotic Therapy, and Pregnancy. American College of Chest Physicians Evidence-Based Clinical Practice Guidelines (9thEd). CHEST 2012: 141(2)(Suppl):e691S-e736S

"For pregnant patients, we suggest LMWH for the prevention and treatment of VTE, instead of UFH (Grade 1B)."

3) Inherited thrombophilias in pregnancy. Practice Bulletin No. 138. American College of Obstetricians and Gynecologists. Obstet Gynecol 2013; 122:706-17.

#### Revised: 06/17/16

These algorithms are designed to assist the primary care provider in the clinical management of a variety of problems that occur during pregnancy. They should not be interpreted as a standard of care, but instead represent guidelines for management. Variation in practices should take into account such factors as characteristics of the individual patient, health resources, and regional experience with diagnostic and therapeutic modalities.

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