

**UPDATED (2022) ANTICOAGULATION GUIDELINES FOR NEURAXIAL PROCEDURES (HOAC and Bayview)**

	Suggested stop time before NAB	Use with continuous epidural catheter	Minimum interval between catheter removal and next dose
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**ANTIPLATELET AGENTS**

NSAID, COX2 inhibitors	No need to stop	OK	No specific delay
Aspirin	No need to stop	OK	No specific delay
Aspirin/dipyridamole (Aggrenox)	1d	CONTRAINDICATED	≥ 6 h
Clopidogrel (Plavix)	6d	CONTRAINDICATED	≥4 h
Prasugrel (Effient)	7-10d	CONTRAINDICATED	≥4 h
Ticagrelor (Brilinta)	6d	CONTRAINDICATED	≥4 h

**LOW MOLECULAR WEIGHT HEPARIN or HEPARIN**

Enoxaparin prophylaxis dose (General Population) 30 mg/40 mg SC once daily 30/40 mg SC BID (wt >100 kg)	≥12 h for insertion or removal	OK ( ≥4 h after needle placement)	≥4 h
Enoxaparin <b>high</b> prophylaxis dose (High Risk Patients) 30/40 mg SC BID	≥12 h for insertion or removal	AVOID	≥4 h
Enoxaparin <b>treatment</b> doses 1.0 mg/kg SC BID or 1.5 mg/kg SC OD	≥24 h for insertion or removal	AVOID	≥4 h
Heparin SC 5,000 U BID or TID (thromboprophylaxis doses)	6 h for insertion or removal	OK (≥4 hours after needle placement)	≥4 h
Heparin IV (therapeutic doses)	6 h and normal aPTT	AVOID	≥6 h
Heparin IV (during vascular surgery)		<b>CAN USE HEPARIN ≥1 HOUR AFTER NAB (ASRA)</b>	Remove epidural after reversal with protamine and normal PTT or ACT or 6 hours after last heparin dose(Can re-heparinize 1 hour after catheter removal if needed)
Fondaparinux	≥36 h	AVOID	≥6 h
<b>WARFARIN (CHECK INR in PAC and on day of surgery)</b>	5d or INR ≤1.5	CONTRAINDICATED	Check INR (≤1.5)

**ORAL DIRECT INHIBITORS OF COAGULATION , Xa inhibitors (DO NOT CHECK INR)**

Apixaban (Eliquis) 5mg BID (Dose is eGFR adjusted)	3d	<b>CONTRAINDICATED</b>	≥6 h
Apixaban (Eliquis) 2.5mg BID #	eGFR ≥ 30 = 24h eGFR < 30 = 36h		
Dabigatran (Pradaxa)	5 days (if eGFR unknown) eGFR ≥80 = 3d eGFR 50-79 = 4d eGFR 30-49 = 5d		
Edoxaban 60 mg od (Lixiana)	eGFR ≥30 = 3d eGFR <30 = 4d		
Edoxaban 30 mg od (Lixiana) #	eGFR ≥ 30 = 36h eGFR < 30 = 2d		
Rivaroxaban 20 mg od (Xarelto)	3d		
Rivaroxaban 10 mg od (Xarelto) #	36h		

# There are no ASRA guidelines relevant to these doses

**IV DIRECT THROMBIN INHIBITORS**

Argatroban	4 h or normal aPTT	CONTRAINDICATED	≥4 h
Bivalirudin (Angiomax)	2 h or normal aPTT	CONTRAINDICATED	≥4 h