THROMBOEMBOLIC DISORDER TREATMENTS: WITHOUT DVT/PE (Part 1 of 3)						
Generic	Brand	Indication	Usual Adult Dosing			
ANTICOAGUI	LANTS					
Anticoagula	nt Proteins					
protein C concentrate [human]	Ceprotin	of venous thrombosis and purpura fulminans in severe	Individualize. ≥10kg: max infusion rate 2mL/min.  Acute episodes/short term prophylaxis: nitially 100–120 IU/kg, then 60–80 IU/kg every 6hrs for 3 doses (titrate to maintain target peak protein C activity of 100%); maintenance:  45–60 IU/kg every 6 or 12hrs (After resolution of acute episode, continue patient on same dose to maintain trough protein C level above 25% for duration of therapy); continue until desired anticoagulation achieved.  Long-term prophylaxis: 45–60 IU/kg every 12hrs (maintain trough protein C level above 25%).			
Antithrombi	ns					
antithrombin [recombinant]	ATryn	peri-partum thromboembolic events in hereditary	Individualize. Administer loading dose as 15min IV infusion, followed by continuous IV infusion of maintenance dose. Monitor antithrombin activity once or twice daily and adjust to maintain antithrombin activity between 80–120%. See full labeling.			
[human]	Thrombate III	Treatment of hereditary antithrombin III deficiency (AT-III) in surgical or obstetrical procedures or patients who suffer from thromboembolism	Individualize. Dose (units required) = [desired (% of normal) – baseline (% of normal) AT-III level] $\times$ weight (kg)/1.4. Give by IV infusion over 10–20min. Loading dose: increase AT-III to 120% of normal. Subsequent dose should be based on AT-III levels obtained 20min post-infusion, every 12hrs, and before the next dose. Maintain AT-III levels at 80–120% of normal for 2–8 days. See full labeling.			
Coumarins						
warfarin	Coumadin		Initially 2–5mg daily. <i>Usual maintenance</i> : 2–10mg daily. CYP2C9 or VKORC1 enzymes variations, elderly, debilitated, Asians: use lower initial dose.			
<b>Direct Thron</b>	nbin Inhibif	tors				
argatroban	_	Prophylaxis and treatment of thrombosis in HIT/HITTS PCI with or at risk of HIT/HITTS	Before administering, discontinue heparin and obtain a baseline aPTT. Initially 2mcg/kg/min continuous IV infusion; check aPTT 2hrs after starting; titrate to 1.5—3x baseline aPTT (max 100sec); max 10mcg/kg/min. Initially 25mcg/kg/min by IV infusion, and a 350mcg/kg bolus by 10mcg/kg/min by IV infusion.			
;	:		large bore IV line over 3-5min; ACT should be checked 5-10min after bolus, and titrate to therapeutic ACT of 300-450sec.			
bivalirudin		blocker use PCI with or at risk of HIT/HITTS	0.75mg/kg IV bolus (may give 0.3mg/kg bolus after 5min if needed), followed by 1.75mg/kg/hr during PCI/PTCA procedure. May continue infusion up to 4hrs post-op; after 4hrs, may give additional infusion of 0.2mg/kg/hr up to 20hrs, fi needed. Give with aspirin 300–325mg daily. Renal impairment: CrCI <30mL/min: reduce infusion rate to 1mg/kg/hr; hemodialysis: 0.25mg/kg/hr.			
dabigatran	Pradaxa	Reduce risk of stroke and systemic embolism in non- valvular atrial fibrillation	CrCl>30mL/min: 150mg twice daily. Renal impairment (CrCl: 15–30mL/min): 75mg twice daily; CrCl<15mL/min or on dialysis: not recommended.			
lepirudin	Refludan	HIT and associated	≤110kg: Initial 0.4mg/kg slow IV bolus inj for 15–20sec, then			

thromboembolic disease 0.15mg/kg/hr as continuous infusion for 2-10 days or longer if needed. >110kg: max initial bolus dose 44mg; max initial

infusion dose 16.5mg/hr.

**Factor Xa Inhibitors** Eliquis Reduce risk of stroke and apixaban 5mg twice daily; 2.5mg twice daily if patient has any 2 of the

following: age ≥80yrs, ≤60kg, or creatinine ≥1.5mg/dL. CrCl <15mL/min or dialysis: not recommended. See full labeling. systemic embolism in nonvalvular atrial fibrillation

rivaroxaban Xarelto Reduce risk of stroke and CrCl >50mL/min: 20mg once daily with PM meal; CrCl systemic embolism in non-15–50mL/min: 15mg once daily with PM meal; CrCl <15mL/

min: avoid.

valvular atrial fibrillation

(continued)

THROM			ATMENTS: WITHOUT DVT/PE (Part 2 of 3)				
Generic		•	Usual Adult Dosing				
ANTICOAGUI	- ,	· · · · · ,					
Low Molecular Weight Heparins							
dalteparin	Fragmin	Prophylaxis of ischemic complications of unstable angina and non-Q-wave MI	120 IU/kg SC (max 10,000 IU) every 12hrs until stabilized with aspirin 75–165mg once daily for 5–8 days.				
enoxaparin	Lovenox	Prophylaxis of ischemic complications of unstable angina and non-Q-wave MI	1mg/kg SC every 12hrs for 2–8 days; with aspirin 100–325mg once daily.				
			30mg IV bolus + 1mg/kg SC dose then 1mg/kg SC every 12hrs at least 8 days (max 100mg for first 2 doses only); with aspirin 75–325mg once daily. If last dose given <8hrs before balloon inflation, no dose needed; >8hrs before balloon inflation: give 0.3mg/kg IV bolus.				
		Acute STEMI (patients ≥75yrs)	0.75mg/kg SC every 12hrs (no bolus) at least 8 days (max 75mg for first 2 doses only); with aspirin 75–325mg once daily.				
ANTIPLATELI							
dipyridamole	Persantine	Adjunct prophylactic therapy to coumarin anticoagulants after cardiac valve replacement	75–100mg four times a day as an adjunct to usual warfarin therapy.				
<b>Antiplatelet</b>	+ Nonster	oidal Antiinflammatory	Drugs (NSAID)				
dipyridamole + aspirin	Aggrenox	Reduce risk of stroke after transient ischemia of the brain or complete ischemic stroke due to thrombosis	1 cap twice daily (AM and PM). Alternative if intolerable headaches: switch to 1 cap at bedtime and low-dose aspirin in AM; return to usual regimen within 1wk.				
Glycoproteir	n IIb/IIIa (G	P IIb/IIIa) Blockers					
abciximab	Reopro	Adjunct to PCI for prevention of	0.25mg/kg IV bolus over 10–60min before start of PCI, then a continuous IV infusion of 0.125mcg/kg/min (max 10mcg/min) for 12hrs. Use with heparin and aspirin.				
		Unstable angina not responding to conventional therapy, undergoing PCI within 24hrs	0.25mg/kg IV bolus, then 10mcg/min IV infusion over 18–24hr concluding 1hr after PCI.				
eptifibatide	Integrilin	ACS: managed medically and those undergoing PCI	180mcg/kg IV bolus, then continuous IV infusion of 2mcg/kg/ min until discharge or CABG surgery, up to 72hrs. If PCI planned, continue infusion until discharge, or for up to 18—24hrs after procedure, whichever comes first, allowing up to 96hrs of therapy. Concomitant use with aspirin and heparin.				
		PCI, including those undergoing intracoronary stenting	180mcg/kg IV bolus immediately before PCI followed by 2mcg/kg/min continuous infusion; repeat 180mcg/kg IV bolus 10min after the 1st bolus; continue infusion until discharge, or for up to 18–24hrs, whichever comes first, minimum 12hr-infusion recommended. Concomitant use with aspirin and heparin.				
tirofiban	Aggrastat	ACS: managed medically or those undergoing PTCA or atherectomy	Initially 0.4mcg/kg/min for 30min, then 0.1mcg/kg/min. Severe renal insufficiency (CrCl <30mL/min): reduce rate by ½. Stop infusion if bleeding cannot be controlled by pressure.				
<b>Platelet Red</b>	ucing Ager	its					
anagrelide	Agrylin	Treatment of thrombocythemia secondary to myeloproliferative disorders	Initially 0.5mg four times daily or 1mg twice daily for ≥1week. May increase dose by 0.5mg/day weekly to maintain normal platelet count; max 10mg/day or 2.5mg/dose.				
P2Y <sub>12</sub> Platele	P2Y <sub>12</sub> Platelet Inhibitor (cyclopentyltriazolopyrimidine)						
ticagrelor	Brilinta	Reduce thrombotic CV events in patients with ACS	Loading dose: 180mg once. Maintenance: 90mg twice daily. Take with aspirin: loading dose: 325mg; maintenance: 75–100mg daily.				
P2Y <sub>12</sub> Platelet Inhibitor (thienopyridine)							
clopidogrel	Plavix	Acute coronary syndrome (ACS)	75mg once daily. Non-Fr-segment acute coronary syndrome (give with aspirin 75–325mg once daily): give one 300mg loading dose first. 57-seament elevation acute MI (give with aspirin, with or				

ST-segment elevation acute MI (give with aspirin, with or without thrombolytics): may start with or without a loading dose. CYP2C19 poor metabolizers: may need higher doses. Recent MI, stroke or established 75mg once daily.
peripheral arterial disease CYP2C19 poor metabolizers: may need higher doses.

(continued)

THROMBOEMBOLIC DISORDER TREATMENTS: WITHOUT DVT/PE (Part 3 of 3)						
	Brand		Usual Adult Dosing			
ANTIPLATEL	ETS (continu	ed)				
P2Y <sub>12</sub> Platelet Inhibitor (thienopyridine) (continued)						
prasugrel	Effient		Loading dose: 60mg once. Maintenance: 10mg once daily. <60kg: consider 5mg once daily. Take with aspirin (75mg– 325mg daily).			
ticlopidine	_	Reduce risk of thrombotic stroke in aspirin intolerant patients who've had a completed thrombotic stroke	250mg twice daily with food.			
		Reduce incidence of subacute stent thrombosis for successful coronary artery stenting	250mg twice daily with food together with antiplatelet doses of aspirin for up to 30 days of therapy following successful stent implantation.			
THROMBOLYTICS						
Tissue Plasminogen Activators (tPA)						
alteplase	Activase	j	Max 100mg/dose. Accelerated infusion: <67kg: 15mg IV bolus, then 0.75mg/kg (max 50mg) infused over 30min, then 0.5mg/kg (max 35mg) over 60min. >67kg: 15mg IV bolus, then 50mg infused over 30min, then 35mg infused over 60min; 3-hour infusion: >65kg: 60mg infused in the 1st hour (of which 6-10mg is given as bolus), then 20mg/hr for 2hrs; smaller patients (<65kg): 1.25mg/kg over 3hrs. May use concomitantly with heparin.			
		Management of acute ischemic stroke	Initiate within 3hrs of symptom onset. 0.9mg/kg (max 90mg) infused over 60min with 10% of total dose given as initial IV bolus over 1min.			
		Management of acute massive PE	100mg IV infusion over 2hrs. May use heparin after infusion.			
reteplase	Retavase	Management of acute MI	10 IU as IV bolus over 2min; repeat dose 30min after initiation of 1st bolus.			
tenecteplase	TNKase	Reduce mortality associated with AMI	Give as single IV bolus over 5sec. <60kg: 30mg; ≥60—<70kg: 35mg; ≥70—<80kg: 40mg; ≥80—<90kg: 45mg; ≥90kg: 50kg. Max: 50mg.			
NOTES						
Key: ACS = acute coronary syndrome; ACT = activated clotting time; AMI = acute myocardial infarction; CV = cardiovascular; HIT = heparin-induced thrombocytopenia; HITTS = HIT and thrombosis syndrome; MI = myocardial infarction; PCI = percutaneous coronary intervention; PM = evening; PTCA = percutaneous transluminal coronary angioplasty; SC = subcutaneous  Not an inclusive list of medications, official indications, and/or dosing details. Please see drug monograph at www.eMPR.com and/or contact company for full drug labeling.  (Rev. 7/2015)						