

Table 1. Indications for the Rapidly Acting Anticoagulants Available in the United States, Effective November 2006

USE	UFH	LMWHS	FONDAPARINUX	DTIS
Thromboprophylaxis in arterial and cardiac surgery	X			
Thromboprophylaxis after hip replacement surgery		Dalteparin, enoxaparin	X	
Thromboprophylaxis after hip fracture surgery			X	
Thromboprophylaxis after knee replacement surgery		Enoxaparin	X	
Thromboprophylaxis after abdominal surgery, if at-risk	X	Dalteparin, enoxaparin	X	
Thromboprophylaxis in medical patients during acute illness		Dalteparin, enoxaparin		
Prophylaxis ischemic complications in UA/non-Q-wave MI†		Dalteparin, enoxaparin		
Prophylaxis and treatment of peripheral arterial embolism	X			
Prophylaxis and treatment of VTE	X			
Inpatient treatment of DVT +/- PE (with warfarin)		Enoxaparin, tinzaparin	X	
Outpatient treatment of PE* (with warfarin)			X	
Outpatient treatment of DVT (with warfarin)		Enoxaparin	X	
Atrial fibrillation and embolization	X			
Thromboprophylaxis/treatment in HIT				Argatroban, lepirudin†
PCI in patients with or at risk of HIT				Argatroban, bivalirudin
PCI with provisional GPIIb/IIIa inhibition				Bivalirudin
PTCA in patients with UA				Bivalirudin
Diagnosis/treatment of consumptive coagulopathies (DIC)	X			
During transfusions, dialysis, extracorporeal circulation; in blood samples for laboratory purposes	X			

* If treatment started in-hospital

† Lepirudin is indicated for patients with HIT and associated TEC to prevent further TEC.

‡ With aspirin; fondaparinux has been extensively evaluated in acute coronary syndrome,^{5,6} and the data are under regulatory review.

Key: DIC = disseminated intravascular coagulation; DTI = direct thrombin inhibitor; DVT = deep venous thrombosis; GP = glycoprotein; HIT = heparin-induced thrombocytopenia; LMWH = low-molecular-weight heparin; MI = myocardial infarction; PCI = percutaneous coronary intervention; PE = pulmonary embolism; PTCA = percutaneous transluminal coronary angioplasty; TEC = thromboembolic complication; UA = unstable angina; UFH = unfractionated heparin; VTE = venous thromboembolism