Pathology & Laboratory Medicine – May 1, 2020

Reviewed by Michelle Grant, DO – March 31, 2023

Class of Drug	Drugs of Each Class
Unfractionated heparin (UFH)	Heparin
Low Molecular Weight Heparin (LMWH) & Fondaparinux	Enoxaparin (Lovenox), Dalteparin (Fragmin)
Vitamin K antagonists	Warfarin (Coumadin, Jantoven)
Direct thrombin inhibitor (DTI)	Dabigatran (Pradaxa), Argatroban, Hirudin, Bivalirudin
Xa Inhibitors	Rivaroxaban (Xarelto), Apixaban (Eliquis), Edoxaban (Savaysa & Lixiana)

Anticoagulant	PT	aPTT	UFH	Fib	DD	ACT	PT & aPTT Mixing Study	AT3	TT	Rep	DRVV	LaPTT	PC Act	PS Act	PST	PSF	vWF Ant	F2	F7	F8	F9	F10
Vitamin K Antagonist	↑ ↑	0-↑	0	0	0	0-↑	Correction into normal range	0	0-↑	0	↑↑	↑↑	↓	↓	0	0	0	↓↓	↓↓	0	↓↓	↓↓
UFH, standard IV or high SC	0-↑	↑↑	↑	0	0	↑↑	Incomplete correction (inhibitor)	0	↑↑	0	↑↑	↑↑	0	↑	0	0	0	↓	0	↓	↓	↓
LMWH & Fondaparinux	0	0-↑	↑	0	0	0-↑	Incomplete correction (inhibitor)	0	0-↑	0	0-↑	0-↑	0	↑	0	0	0	↓	0	↓	↓	↓
DTI*	0-↑	↑↑	0	0-↓	0	↑↑	Incomplete correction (inhibitor)	↑	↑↑	0	↑↑	↑	0	↑	0	0	0	↓	↓↓	↓↓	↓↓	0-↓
Xa Inhibitor*	↑↑	0-↑	↑↑	0	0	↑↑	Incomplete correction (inhibitor)	0	0	0	↑↑	0-↑	0	0	0	0	0	0	0	0	↓	↓

↑ = prolonged clotting time or increased activity, ↓ = shortened clotting time or decreased activity, 0 = no change

ACT- activated clotting time, DD- D-dimer, Fib- fibrinogen, DRVV- dilute Russel Viper Venom Time, F- factor, LAPTT- Lupus Sensitive aPTT, PC act- Protein C activity, PS act- Protein S activity, PSF- Protein S free, PST- Protein S total, Rep- reptilase, TT- thrombin time, UFH- unfractionated heparin (anti-Xa chromogenic assay), vWF Ant- von Willebrand factor antigen.

*DOAC quantitative measurements (drug concentration) are not available at Geisinger Medical Laboratories and are a send out test only.

Please contact Laboratory Client Services (1-800-695-6491) with any questions.