



AT THE FOREFRONT

**UChicago
Medicine**

Clinical Laboratories

To: Medical Staff, House staff, Nursing Staff, Patient Care Centers, and Outpatient Clinics

From: Krzysztof Mikrut, B.S, MT (ASCP)

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Interim Medical Director, Coagulation Laboratory

Date: 3/02/26

Subject: Change of aPTT heparin therapeutic range

Effective Date: 3/4/2026

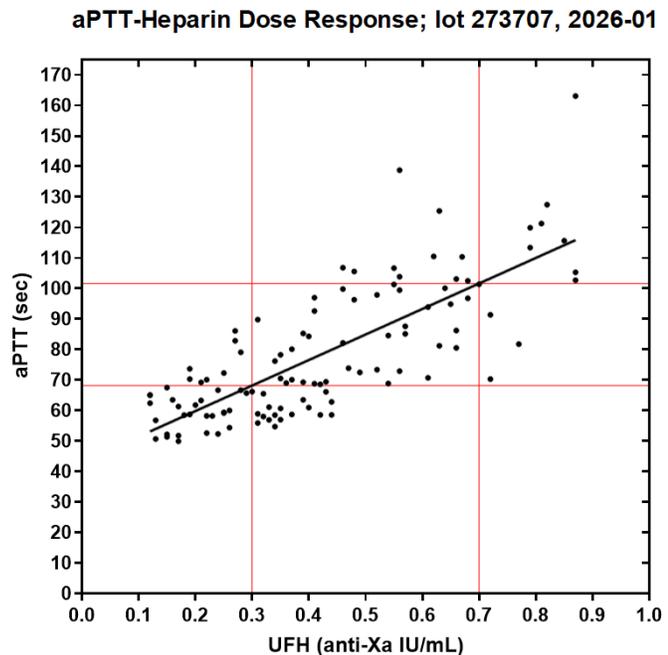
Laboratory Section: Coagulation

1. The Coagulation laboratory must reassess reference and therapeutic intervals for activated PTT (aPTT) upon new reagent lot changes. This reagent lot change will take place on 03/04/2026 at 12:00am. The reference range for the new lot of aPTT reagent is unchanged at 25-34 seconds.
2. **The heparin therapeutic range will change. New relationships between aPTT and anti-Xa levels:**

Anti-Xa (U/mL)	aPTT (sec)
0.3	68
0.7	102

Additional relationships will be provided in the aPTT result comment. Results have been sent to Pharmacy for nomogram updates.

Results for individual heparinized patients may not closely adhere to the linear regression at right. For example, patients with concurrent factor deficiency or inhibitors may benefit from anti-Xa based heparin monitoring.



Refer to UCM Policy PGP-23 (Adult Continuous Infusion Unfractionated Heparin (UFH)) for details of heparin dosing and monitoring recommendations from UCM Pharmacy.

Questions: Please contact Krzysztof Mikrut, Laboratory Manager, at 773-702-1315, or Timothy Carll, Interim Medical Director, at 773-702-1439.

