



MEMORANDUM # 73

To: UNC Hospitals Housestaff and Attending Physicians; Inpatient Pharmacy Services; Core Laboratory Staff

From:

Herbert C. Whinna, MD, PhD, Director Clinical Coagulation Laboratories <i>HW</i>	Mark E. Brecher MD, Director McLendon Clinical Laboratories <i>MEB</i> John F. Chapman, DrPH, Director Core Laboratory <i>JFC</i>
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Re: Change in Core Laboratory aPTT, Heparin Monitoring and Coagulation Factor Activity Reference Ranges.

Date: December 21, 2007

Effective December 27, 2007 the Core Laboratory will implement the following Reference Range changes for aPTT and Coagulation Factor Activities.

aPTT and Coagulation Factor Assays

Test	OLD REFERENCE RANGE	NEW REFERENCE RANGE
aPTT	27.0 – 37.1	25.2 – 36.2
Factor VIII	62 – 222	54 – 161
Factor IX	71 – 150	44 – 139
Factor XI	66 – 187	53 – 117
Factor XII	50 - 163	54 – 162

Heparin Monitoring

Based on an in vivo study using the anti-Xa (Heparin Quantitation) Assay, the unfractionated heparin therapeutic range is now 50 - 83 seconds. This range approximates anti-Xa levels of 0.3-0.7 U/mL.

Please contact Dr. Whinna at 966-3311 for questions concerning the laboratory tests.