NOTICE OF CHANGE OF SERVICE

DATE: August, 26 2010

TO: Housestaff and PCN Physicians, Faculty, and Nursing Personnel

FROM: Sridevi Devaraj, PhD, DABCC, Director, Special Chemistry/Toxicology
       Gerald Kost, MD, PhD, Director, Automated Chemistry/Urinalysis
       Michael Inn, Specialist, Automated Chemistry/Urinalysis

RE: Troponin I Revision of Result Ranges

Effective August 28, 2010 the Clinical Laboratory will begin reporting Troponin I results from a new automated analyzer. This analyzer, the Siemens Centaur XP, uses a chemiluminesmetric immunoassay methodology. Studies were performed to verify test performance and to compare the new platform with the previous. Slight changes to patient Troponin I reference intervals, and Alert Values reported to the Emergency Department is required. Please note the new reference intervals and Alert Values listed below:

Revised Reference Interval as of 8/26/2010:

Troponin I
• 0.04 ng/mL: 99th percentile of a normal population corresponding to a < 10% CV (imprecision) for assay performance.
• >0.05 ng/mL: Suggestive of myocardial injury*

*Universal Definition of Myocardial Infarction from the Joint ESC/ACCF/AHA/WHF Task Force for the Redefinition of Myocardial Infarction (Circulation 2007; 116; 2634-2653). Typical rise and fall of Troponin I with at least one of the following:
   - Ischemic symptoms
   - ECG changes indicative of ischemia
   - Imaging evidence of a new regional wall-motion abnormality
   - Coronary intervention (e.g. coronary angioplasty)

Revised Alert Value reported to ED as of 8/26/10: > 0.10 ng/mL

Please direct any questions or concerns to the Chemistry laboratory supervisor at phone # 734-3021, or pager # 762-0018.

APPROVED BY: Lydia P. Howell, MD
Professor and Chair
Department of Pathology and Laboratory Medicine

cc: Gerald Kost, MD, PhD       Alan Siefkin, MD           Jeff Gregg, MD
    Carol Robinson, BRN         Robert Taylor               Darrell O’Sullivan
    Phillip Raimondi, MD        J. Douglas Kirk, MD         Garrett Wong, MD
    Reginald Low, MD            Ezra Amsterdam, MD