CHANGE OF SERVICE

DATE: May 16, 2010

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

FROM: Sridevi Devaraj, Ph.D., DABCC, FACB
       Director of Toxicology and Special Chemistry

RE: HGB A1C REFERENCE INTERVAL CHANGES

Effective June 1, the reference interval and clinical interpretations for HgbA1c will be changed. These changes are based upon the latest recommended guidelines.¹

   New HgbA1c reference interval: 3.9 – 5.6%

In addition, the following comments will be added to results according to the following ranges:

   5.7 – 6.4% indicates increased risk for diabetes
   ≥ 6.5% is a criterion for the diagnosis of diabetes

Please note:

1. The estimated average glucose (eAG) calculation will accompany the HgbA1c result. Only HgbA1c EMR orders placed after February 11, 2010 will have the eAG. In order to get the eAG, older HgbA1c standing orders must be deleted and reordered. The eAG can be calculated using the formula: eAG = (HgbA1c x 28.7) – 46.7.

2. Under EMR results, the HgbA1c and eAG will now be found with chemistry panels instead of under miscellaneous tests.

If you have any questions, please contact Dr. Sridevi Devaraj 916-734-6594 or Teri Cook 916-734-0283.

¹Reference Diabetes Care, Vol 33, supplement 1, January 2010

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