



UNIVERSITY OF COLORADO
HOSPITAL
ANSCHUTZ MEDICAL CAMPUS

Test Update – Creatinine Standardization

A Two Step Change

As recommended by the National Kidney Disease Education Program (NKDEP) the UCH Clinical Laboratory will be standardizing its serum/plasma creatinine assay to the internationally accepted isotope dilution mass spectrometry (IDMS) method. This will reduce inter-laboratory creatinine result variations and provide a more accurate estimate of glomerular filtration rates (eGFR.)

A two step approach is required to accomplish this conversion:

1. On Wednesday March 11th, UCH Clinical Laboratory creatinine results will increase from one to two decimal places (X.X→ X.XX). There will be no change in standardization or eGFR calculations at that time.
2. On Wednesday March 18, 2008, reported creatinine results will be standardized to the new IDMS method. This will be accompanied with a modification of the formula currently used by the laboratory in reporting eGFR values.

There will be no effect on the current reference range for creatinine.

Please call Lorne Holland, M.D. at 720-848-7050 if you have any questions or visit our website at <http://www.uch.edu/for-healthcare-professional/Clinical-Laboratory/index.aspx> for additional information.

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Clinical Laboratory
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