Date: 4/27/2023

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

From: KT Jerry Yeo, PhD, DABCC, FAACC
Medical Director, Clinical Chemistry Laboratories

Subject: Test Changes Post-EPIC Beaker Live
Effective Date: 4/29/2023
Laboratory Section: Clinical Chemistry

Summary:
Post EPIC Beaker (Lab Information System) go-live, the following tests will change as follows:

Test Codes:
A. Serum and Urine Electrophoresis/Immunofixation orders:
   1. Tests code LABCHEX, ‘Serum Protein Electrophoresis only’ will be obsolete. Please use LABCHIEX: Protein Electrophoresis w/ reflex to Immunofixation
   2. New Code – LABCHSPEPIFE, Protein Electrophoresis and Immunofixation will be available for order.
   3. No change to Urine Electrophoresis/Immunofixation orders
      a. LABCHRUIEX: Urine Protein Electrophoresis/Immunofixation, random
      b. LABCHUIEX: Urine Protein Electrophoresis/Immunofixation, timed

B. New Test Codes for Fluid Chemistry
   1. LABCHAFGLU: Amniotic fluid glucose
   2. LABCHFLCA125: Fluid CA-125
   3. LABCHSFLDH: CSF LDH

Units and Reference Ranges
A. Plasma ionized calcium (iCa) ordered on Li heparin plasma samples
   1. Reporting units for iCa will be changed from mg/dL to mmol/L to standardize with those ordered on ABG specimens, which are currently reported in mmol/L.
      • Please note that 1 mmol/L iCa = 4.0 mg/dL iCa (factor of 4).
   2. There will be no change to the reference range, 1.15-1.35 mmol/L (4.6-5.4 mg/dL) or the test code (IOPA).

B. Ammonia (NH4)
   1. Change of reporting units from mcg/dL to μmol/L.
      o Please note that 1 mcg/dl = 0.58 μmol/L
   2. Reference range is 12-41 μmol/L.

Questions:
If there are any questions regarding this change, please contact:
   • Dr. Jerry Yeo from Clinical Chemistry (jyeo@bsd.uchicago.edu)