

Date: 6/28/2023

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

From: KT Jerry Yeo, PhD, DABCC
Medical Director, Clinical Chemistry Laboratories
Professor of Pathology

Subject: Restoration Water Issues, Total Calcium and Bicarbonate Assays

Effective Date: 6/28/2023

Laboratory Section: Clinical Chemistry Laboratories

Summary:

We notified all of you yesterday (June 27), that the Clinical Chemistry Laboratories had RO water quality issues leading to a failure in our quality checks on plasma total calcium and bicarbonate, necessitating the temporary cancellation of these test requests until further notice.

I am pleased to report that, as of today at 10.30am (June 28), we were able to resume testing for plasma total calcium and bicarbonate requests once the RO water issues were resolved and passed our quality checks.

A retrospective quality review of calcium and bicarbonate reported for patient samples received between 7.30am-9.00am yesterday indicated there were falsely elevated calcium and bicarbonate results that were resulted before these tests were cancelled due to water purity issues. These results for calcium and bicarbonate will be removed and replaced with the following comment: "Results may have been affected by water quality issues. Please disregard previously reported result and re-order if clinically necessary".

Questions:

If there are any questions regarding this change, please contact:

- Dr. Jerry Yeo from Clinical Chemistry (jyeo@bsd.uchicago.edu)