**To:** DHMC Providers

**From:** K. Aaron Geno, PhD, Assistant Director for Clinical Chemistry

**Date:** January 26, 2024

**RE:** Extended TAT: TIBC, Iron, GGT, Carbamazepine, Fecal Calprotectin

**Situation**

Carbamazepine, TIBC, iron, GGT, and fecal calprotectin testing will experience an extended turnaround time due to an analyzer failure. Other results may be delayed during maintenance periods.

**Background**

The analyzer that performs testing for TIBC, iron, GGT, carbamazepine, and fecal calprotectin experienced a mechanical failure on Wednesday night, and service was unable to complete repairs Thursday. These tests are only performed on this analyzer.

**Assessment**

Service is working to complete repairs as quickly as possible. Samples with pending TIBC, iron, GGT, and carbamazepine orders are being sent to Cheshire Medical Center for testing and will continue to be sent on an ongoing basis until the analyzer is repaired. Specimens for fecal calprotectin testing will be frozen to ensure stability and run once analyzer function is restored.

**Recommendation**

Providers should expect extended turnaround times for TIBC, iron, GGT, carbamazepine, and fecal calprotectin orders. Some other testing may also experience longer than normal turnaround times during daily maintenance periods, as we are temporarily without redundancy:

-A1c -Phenytoin

-Acetaminophen -Phenobarbital

-Albumin, urine (Microalbumin) -Salicylates

-Ammonia -Theophylline

-Amylase -Tobramycin

-Digoxin -Total Protein, CSF and urine

-Lactate, Plasma\*\* -Uric Acid, serum and urine

-Lipase -Valproic Acid

-Lithium -Vancomycin

\*\*Please note that whole blood lactate is NOT affected.

**For questions or additional information, please contact:**

Urgent: Chemistry Director on-call (pager 8139)

[kimball.a.geno@hitchcock.org](mailto:kimball.a.geno@hitchcock.org), [lynn.a.brunelle@hitchcock.org](mailto:lynn.a.brunelle@hitchcock.org), [mark.a.cervinski@hitchcock.org](mailto:mark.a.cervinski@hitchcock.org)