Memorandum

**Department of Pathology and Laboratory Medicine**

**Date: April 3, 2023  
To: LTM  
From: Vasu Maganti, PhD, Laboratory Director**

**Holly Lapierre, MT, Clinical Laboratory Supervisor**

**Subject: Lab Chemistry Conversion**

Dear LTM Colleagues,

The WDH Lab will migrate from the current legacy Siemens chemistry instruments to the MGB Enterprise Roche chemistry platforms. In doing so, we will be standardized in our reporting of chemistry tests among our MGB colleagues. Our planned go-live on the new Roche chemistry analyzers is Tuesday morning, April 11, 2023. This is phase 2 of 3 phases, to complete the entire conversion. The installation and implementation of the automation equipment remains the final phase, to be completed in the Summer of 2023. The selection and implementation of our new systems have been chosen and designed specifically to meet the current and future demands of our patient testing needs. Our test menu is expanding with higher volume capacity and with reduced turnaround times!

Despite vigorous testing of hardware and information systems during the validation phases of the project, we may still experience some initial service level degradation. Our commitment is to watch service metrics closely and address any gaps promptly. In the event of a significant downtime, we will follow up with specifics on the gap and specific countermeasures implemented.

Please distribute the following information to your staff and colleagues.

**Specific changes to be aware of:**

* **Reference Ranges -** WDH will now be in alignment with the MGB standard for reference ranges and cut-off points. Please pay particular attention to reference ranges and flagging as they will be different from our legacy Siemens platforms**.**
* **Add-ons -** The following tests will not be eligible for add-ons due to the potential for carry-over and technical limitations and will require new collections effective 4/11/2023.
  + hCG
  + Hepatitis Tests
  + HIV
  + Procalcitonin
  + Rubella IgG
* **Tube type Changes -** Some tests will be collected in different tube types with the new instrumentation. Significant changes involve:
  + Testing for ammonia will now be performed only on lavender-top tubes received on ice.
  + Dark green (lithium heparin) will no longer be acceptable.
  + A single lavender tube cannot be shared for ammonia and CBC testing.
* **Trending Tests (ie PSA, Cancer Antigens) -** It is not recommended to compare lab values from different testing platforms as methodology differences may be reported with positive or negative bias of results. If clinically indicated, re-baselining patient testing on the current testing method is recommended.

Please reach out any time with any questions or concerns. Thank you so much for your support as we undertake this important operational enhancement and strategic alignment across our MGB Laboratory/Pathology System.

For more laboratory information please contact:

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