OSF
SAINT FRANCIS MEDICAL CENTER

MEMORANDUM

To: OSF System Laboratory Customers and Clients

From: OSF System Laboratory

DATE: 4/25/2017

RE: Free (Calc.) & Total Testosterone testing at OSF System Lab

Please be advised…

Free (Calc.) & Total Testosterone –

This new test, which will be available on May 1, 2017, is Free (Calc.) & Total Testosterone for male patients that are 18 years of age or older. Each analyte within this test is performed on the Abbott ARCHITECT Automated Track System. Free (Calc.) & Total Testosterone is comprised of three tests, and will generate the Calculated Free Testosterone based on those three analytes. The three tests necessary for the Free (Cal.) & Total Testosterone include total testosterone (TEST), sex hormone binding globulin (SHBGL), and serum albumin (ALB).

Extensive method evaluations were performed in which the Chemistry department's Abbott ARCHITECT method was compared to Mayo's directly measured Free Testosterone. Those studies show that OSF's calculated method was very comparable to Mayo's directly measured method.

The specimen requirements are a gold top tube that has been centrifuged within two hours of the collection time and that is refrigerated after centrifugation. The turnaround time for this test will be 24 hours, as it will be performed daily on all shifts.

- ***It is important to note that specimens that are received for this testing that don't conform to the required tube types or that are grossly hemolyzed will be rejected.***

For best patient care,* ***please do not order the testing components individually *to get the FTTST result***

For Atlas Users:

When placing an order for Free (Calc.) & Total Testosterone in Atlas, choose the one corresponding to the sex and age of the patient. ***If the patient is a male that is 18 years or older, order OSF lab code (FTTST).*** If the patient is a male that is less than 18 years of age or a female of any age, then order the Mayo test code, TGRP. The system will not allow the order to be placed if the correct test is not selected according to the sex and age of the patient.

Males >18 years: Free (Calc.) & Total Testosterone	**FTTST**	**LAB4679**	**CPT 84403, 84270, 82040**
Males <18 & all females: Free & Total Testosterone	**TGRP**	**LAB1927**	**CPT 84402, 88403**

For EPIC Users and Paper Requisition Submitters:

When placing an order into the system with the LAB4707 test code, EPIC will determine which test needs to be ordered based on the patient demographics.

Free & Total Testosterone:	**FTTST**	**LAB4707**	**CPT 84403, 84270, 82040**

*****For any questions or concerns about the new Free & Total Testosterone, please contact Melinda Davis, the Manager of the Clinical Chemistry Department for the OSF System Laboratory, at (309) 624-9024.***