

THE NANOGRAM

Martha Jefferson Hospital Laboratory Services



Fall
2017



Important Phone Numbers

Clinical Lab
654-7170 or
fax 654-7164

**Anatomic Pathology
Lab**
654-7955 or
fax 654-7944

**AP Client Services
Representative,
Noel Jorgensen**
654-5525

Evening & Night Shift Senior Tech

Laura Ewart, MT
(ASCP) was
promoted to
Senior Tech.
She will be the
Senior Tech for
the evening and
night shifts at
SMJH Lab
Services.

Strep and Flu Reminder

Strep A Screen
(Test Code
LAB3002)
requires 2 (two)
Copan eSwabs
(white top).

Flu by PCR
(Test Code
LAB9142) and
RSV requires
the UTM swab
(red cap)-Xpert
Nasopharyngeal
Collection Kit.

Quarterly Newsletter on Website

This newsletter is from the Laboratory and will be distributed on a quarterly basis. It contains important information and news briefs concerning laboratory services. In addition to normal distribution, each issue will be posted at www.cvillepathology.net under the News Brief section.

Syphilis Testing Update

In August SMJH Lab changed methodology for Syphilis testing. We moved from the manual nontreponemal RPR test to the automated treponemal test, Syphilis IgG, onboard the Biorad Bioplex. This change in method altered the algorithm followed for reflex testing from the Traditional Algorithm to the Reverse Algorithm recommended by the Centers for Disease Control and Prevention (CDC). See contact information below for CDC.

In the Reverse Algorithm, samples are screened with the Syphilis IgG assay [Lab4702]. Samples testing negative by the Syphilis IgG assay do not require further testing, and the patient is considered negative for syphilis. Samples testing positive by the Syphilis IgG assay are reflexed to a nontreponemal RPR. If the RPR is reactive, the patient is considered positive for untreated

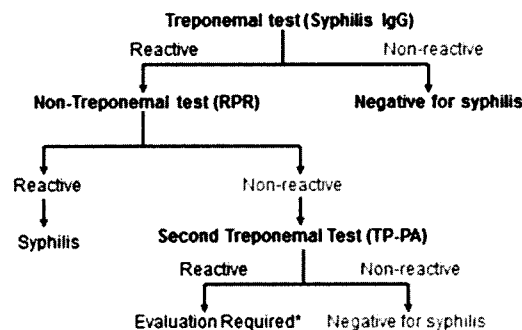
or recently treated syphilis.

New In-house Testing- Biorad Bioplex

In August SMJH Lab added the following assays to the in-house test menu which will be performed onboard the Biorad Bioplex:

TEST NAME	LAB CODE
HIV-1/2 Antigen/Antibody with Reflex	LAB1192
HIV-1/2 Ab Differentiation w/ Reflex	LAB1194
Celiac Ab tTG DGP TlgA	LAB664
Citrulline Antibody	LAB4206
EBV Early Antigen Detection	LAB4478
EBV Abs to Nuclear Ag	LAB4016
EBV VCA IgM	LAB4035
EBV VCA IgG	LAB4044
Syphilis (T. Pallidum) IgG Abs	LAB4702
Mono Screen	LAB482

Reverse Algorithm



If the RPR is nonreactive, the sample is reflexed to a second treponemal test, Treponema pallidum particle agglutination (TP-PA). If the TP-PA is negative, the screening result is typically interpreted as falsely positive. A positive TP-PA is suggestive of past, successfully treated syphilis, late/latent syphilis, or early syphilis. These results require a thorough clinical and historical evaluation to assist in the interpretation of results.

Please contact SMJH Laboratory at (434) 654-7170 with questions.

* CDC guidelines available at <http://www.cdc.gov/std/tg2015/syphilis.htm>



Centers for Disease Control and Prevention
CDC 24/7. Saving Lives. Protecting People™

1600 Clifton Road Atlanta, GA 30329-4027
USA 800-CDC-INFO (800-232-4636)

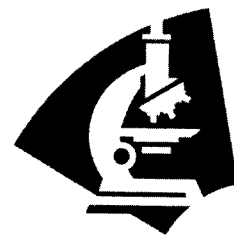
Visit Charlottesville Pathology's website at: www.cvillepathology.net

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Lab Leaders

Jeff Willy, MBA, MT (ASCP)
Director, Lab Services

Carolyn Dotson, MT (ASCP)
Lab Operations Manager

Thea Alterman, MT (ASCP)
QC/QA Manager

Bette Webber, MT (ASCP)
Lab Administrative Manager

Sarah Harris, MSHS, MLT (ASCP)
Clinical Core Lab Mgr.

Pathologists

R. Hunt MacMillan III, MD

J. Tyler Green, MD
Director of Histology, Chemistry, Microbiology, and Blood Bank

Laura Spinelli, MD
Medical Director, Lab Director of Cytology, Hematology, Serology, Coagulation, and Urinalysis

Reporting Structure for aPTT

In an effort for IT standardization and of no clinical significance, in September, SMJH Lab changed the reporting structure for aPTT. aPTT results were reported to one tenth decimal place. The updated reporting structure includes a whole number with no decimal place.

EXAMPLE:

Old aPTT Reference Range (1 Yrs up to Unspecified):

25.4—35.4 sec

Updated aPTT Reference Range (1 Yrs up to Unspecified):

25-35 sec

Fasting Glucose Updated Reference Range

SMJH Lab updated the reference ranges for fasting glucose on Oct 1. The reference ranges changed from **70-100 mg/dL** to **70-99 mg/dL** to comply with 2017 standard reviews annually by The American Diabetes Association (ADA).

The new fasting reference ranges were updated on the test list to the right. If there are questions, please contact SMJH Lab at 654-7170.

Fasting Glucoses

Glucola 1 Hr GDM Screen

Glucose Fasting

Glucose Screen

Glucose POC

CG8 +iSTAT

Glucose 2 Hr PC

Glucose 2 Hr PP

Chem8+ iSTAT

Glucose Tolerance 2hr Gestational & Non-G

Glucose Tolerance 3hr Gestational & Non-G

SMJH Lab Team Member Completes Avon 39: The Walk to End Breast Cancer!

Congratulations to Daryn Norton from SMJH Lab Services for successfully completing the 2 day walk totaling 39 miles (26.2 the 1st day and 13.1 the 2nd day).

The walked raised \$4.1 million and there were 1400 walkers, both men and women. Daryn raised over \$3000 thanks to the help of her coworkers, family, and friends.

Great job Daryn!



CAP Inspection Offsite

On September 7, 2017 a team of SMJH Lab Services technologists, managers, and the Medical Director of the Lab Services conducted a CAP survey at the Naval Medical Center in Portsmouth, VA. Many thanks to all their hard work and dedication.

The survey was a success and learning experience for everyone involved!

The team is below (from left to right): Debbie House (Hematology), Erik Keller (Histology), Thea Alterman (Mgr), Ann Lersch (Cytology), Laura Spinelli (Medical Director), Shirley Jenkins (Microbiology), Sarah Harris (Mgr), Tina Murphy (Chemistry), and Greg McAdam (Coag/Urinalysis/Serology)



Daryn Norton participated in the Avon 39 walk in Santa Barbara, CA.

The next Nanogram newsletter will be Winter 2018 distributed in January 2018