

# THE NANOGRAM

Martha Jefferson Hospital Laboratory Services



Spring  
2016



## Important Phone Numbers

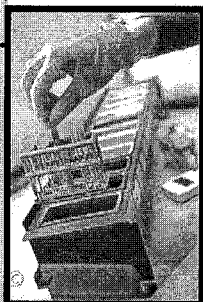
**Clinical Lab**  
654-7170 or  
fax 654-7164

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

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

### New HT STAINS

SMJH Histology Services is pleased to announce that the validations on GATA 3 and p40 are complete. Histology is now able to perform these stains in-house. If you have questions about stains that are offered in-house at SMJH Histology, please feel free to call 434-654-7188 and speak to a Histotechnologist.

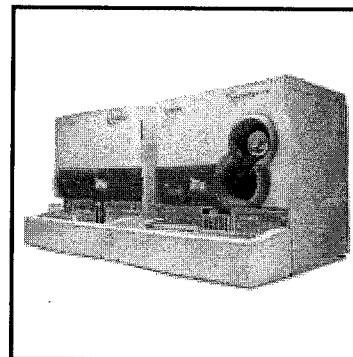


### Quarterly Newsletter on Website

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.cvilllepathology.net](http://www.cvilllepathology.net) under the News Brief section.

### New Urine Analyzer: The Beckman Coulter Iris Iricell

The Beckman Coulter Iris Iricell integrates urine chemistry and microscopy into a fully automated walk-away solution that delivers maximum efficiency and lab productivity. Iris optimizes and advances urinalysis testing through its proprietary Digital Flow Morphology technology using Auto-Particle Recognition (APR) Software for improved accuracy of results. The urine chemistries are performed using standard urine test strips. The microscopic exam is performed utilizing flow cell technology coupled with a high power microscope to capture 500 photos of objects viewed. The objects are analyzed individually by an algorithm and placed into their appropriate categories (eg. RBC, WBC, Hyaline Casts, etc.), where they can be reviewed by a laboratory technologist if needed.

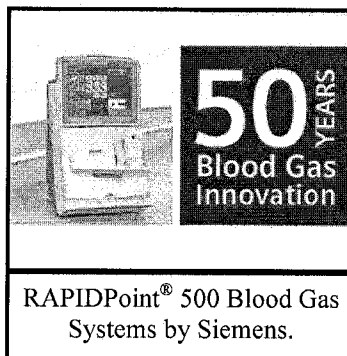


## New Instruments in the Lab

### VerifyNow System: P2Y12 Inhibitors and Aspirin Therapy

SMJH Laboratory recently brought in the VerifyNow System by Accriva Diagnostics which can provide a quantitative measurement of platelet inhibition from P2Y12 inhibitors and aspirin. Up to 1/3 of patients taking these drugs do not have the appropriate enzyme to activate the drugs and may be non-responsive to them. Too much platelet inhibition may also be associated with an increased risk of bleeding. The treatment goal is to make sure the right drug is being used at the right dose in order to reduce healthcare costs and hospital readmission while improving the quality of patient care. This system is not intended for use with inherited platelet disorders (the Platelet Function Test would be used instead) or in patients that have been administered glycoprotein IIb/IIIa. The tests can be ordered as a Miscellaneous Battery for P2Y12 and or Aspirin. Patients should be sent to the main hospital for sample collection because of special handling and time requirements.

### RAPIDPoint 500 Blood Gas Analyzer



SMJH Laboratory has recently purchased a RapidPoint 500 blood gas analyzer and is in the process of bringing it online. This will allow us to

perform Carboxyhemoglobin and Methemoglobin testing in-house again. The main goal is to reduce the turn-around time for the CO-ox panel and improve the quality of patient care. This analyzer will also be used to perform ionized calcium and body fluid pH testing and will replace our current analyzer. For any questions, please feel free to call the laboratory at 434-654-7170.

**April 24-30, 2016 is Medical Laboratory Professional Week.**

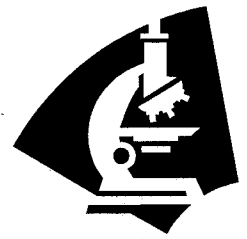
LABORATORY PROFESSIONALS  
**GET  
RESULTS**  
MEDICAL LABORATORY PROFESSIONALS WEEK  
APRIL 24-30, 2016 | #LABWEEK

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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 Manager

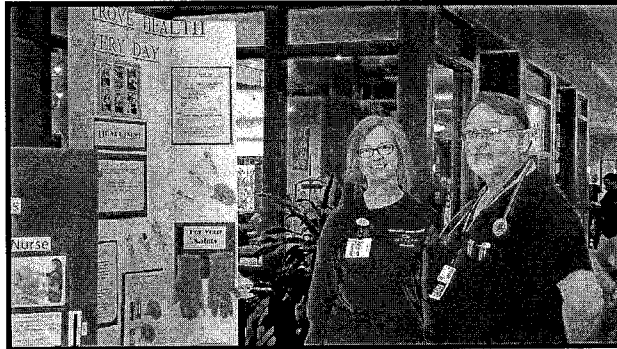
## Pathologists

**R. Hunt MacMillan III, MD**

**Thomas Dudley, MD**  
Director of Histology, Chemistry, Microbiology, and Blood Bank

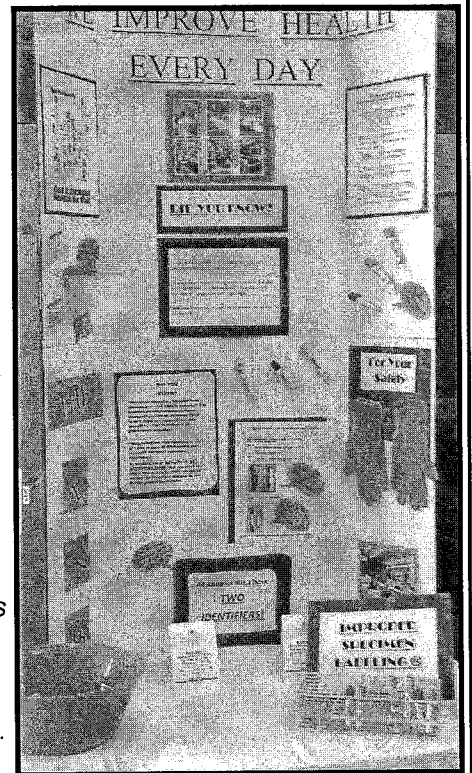
**Laura Spinelli, MD**  
Medical Director, Lab Director of Cytology, Hematology, Serology, Coagulation, and Urinalysis

### Safety Fair: Proper Sample Labeling



Jill Livingood, MT (ASCP) represented the Laboratory in the Safety Fair. She is pictured here with Ed Lewis who is a Respiratory Therapist.

SMJH Safety Fair was on March 18, 2016 in the main hospital lobby. The fair theme was "Creating a Culture of Always." Visitors learned about the *Culture of Always* and how patients and team members are kept safe. There were simulation demos, information about new technology, and much more including community participants from Albemarle Fire and Rescue and JABA. The importance of the lab safety and proper specimen labeling were highlighted by the Lab Safety Coaches, Jill Livingood and Wanda Gibson, as they presented the display and shared their knowledge with visitors.



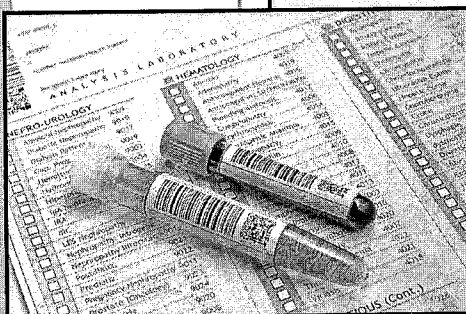
The Lab display focused on the importance of proper specimen labeling.

### DID YOU KNOW?

Mislabeled laboratory specimens are a common source of harm to patients. For example, repeat phlebotomy; repeat diagnostic procedure, including tissue biopsy; delay in a necessary surgical procedure or the execution of an unnecessary procedure.

Mislabeling has been estimated to occur at a rate of 0.1% of all laboratory and anatomic pathology specimens submitted.

By utilizing the 1st Safety Habit, Pay Attention to Detail and the STAR tool (Stop, Think, Act, Review) we can do our part to ensure our patients do not become part of this statistic.



### DNV and ISO Information

What does it mean to be DNV accredited and ISO compliant?

SMJH is currently **DNV** accredited and ISO compliant. DNV-GL (Det Norske Veritas Global) is an accreditor for US hospitals. DNV accredit SMJH. DNV accreditation is comprised of compliance with NIAHO standards (which are based on the CMS standard) and ISO standards. DNV surveys are annual and unannounced.

**ISO** is a short name for International Organization for Standards. ISO is a Quality Management System that outline some basic good business practices that we need to have in place. These focus around Customer Service, Leadership, Involvement of Staff, and Continual Improvements just to name a few.

An ISO certificate proves that our ISO management system has been certified against the best practice standard and found compliant.

The next Nanogram newsletter will be Summer 2016 distributed in July 2016.