DEPARTMENT OF PATHOLOGY AND LABORATORY MEDICINE UPDATE

ROCHESTER GENERAL HOSPITAL • NEWARK-WAYNE COMMUNITY HOSPITAL

Fall/Winter 2011
Volume 9, No. 2

LAB ADMINISTRATION TELEPHONE NUMBERS

Theodor Mayer, MD, PhD 922-9870
William Fricke, MD 922-4576
Jackie Blanda 922-9870
Tom Glossner 922-4488
Ann Knebel 922-4351
Nancy Mitchell 922-4274
Timothy Van Vessem 922-4970

Billing and Compliance:
Judy Beeman 922-9882

Blood Bank:
Glenda Spencer 922-4085

Chemistry:
Lorraine Francisco 922-5014
Roberto Vargas, MD 922-4455

Client Services/Customer Services:
Shirley Slater 922-4451

Courier Service:
Maureen Ryan 922-4526

Cytology:
Karen Clary, MD..... 922-4121
Liz Parker 922-9879

Hematology:
Erika Paul 922-5232

Histology/Immun:
Hal James 922-4943

Lab Information Services:
David Mancari 922-4362

Lakeside Lab:
Judy Gommel 395-6095 x4253

Microbiology:
Barbara Hulbert 922-4057
Roberto Vargas, MD 922-4555

Newark Lab:
Larry Bean ..... (315) 332-2349

Pathology Administration:
Dawn Riedy, MD 922-4121
Sue Chase 922-4965
Joe Foti 922-9878

Laboratory Outreach:
Beth Schroeder 922-4764
Goodwill Ocrah 922-4768
April Rahe 922-4718

Specimen Management:
Open..... 922-5367

PLEASE ROUTE TO:

1. _____
2. _____
3. _____
4. _____
5. File: Clinical Lab Manual

Exciting changes coming to the RGHS

As you may know, Rochester General Health System will soon begin phasing in the implementation of Care Connect, our Epic Electronic Medical Record system, across our seven affiliates. As part of this effort, we will migrate from some of our current clinical integration options to new Care Connect tools. These changes began in November when we launched our first Care Connect rollout at Rochester General Hospital.

For those of you who have been using CCS to view your patient results and records, those features and more will now become available through CareLink. This free web-based tool allows you to view your patients' records and lab results from any computer, at any time. CareLink eliminates the delays and frustration caused by having to receive results by fax or traditional mail - and provides peace of mind, knowing that your patients' complete medical records are always available to you, whenever you need them, wherever you are. Whether you currently use CCS, or will be a new user wishing to access our new CareLink tool, please complete a CareLink User Questionnaire and provide your signature on a CareLink User Agreement (only one user agreement is needed per practice group). Please contact your Laboratory Customer Service Representative or CareLink@rochestergeneral.org

The Care Connect Project Team is excited about this opportunity to enhance our partnership with you through our new Care Connect EMR and supporting *CareLink* tool. We look forward to working together in the delivery of unsurpassed patient care and outcomes to every patient, at every encounter, every time.

One patient. One record.
One great health system.

Changes to our Leadership Positions

Anne Fassanella has retired as Manager in the Hematology Laboratory at RGH after 39 years of service. We are pleased to announce that Erika Paul has accepted the position. In this position, Erika will work with many departments within our health system to ensure we provide the highest quality of care and service for our patients and their families.

Shirley Rowland also recently retired after 40 years of combined service in the Laboratory. We are pleased to announce her replacement, Ann Knebel. In this position, Ann will work with Lab Administration and the managers of Chemistry, Hematology, Microbiology, Transfusion Services, Point of Care Testing, and Evening/Night to ensure the successful operation and integration of our clinical departments.

UNIVERSAL TRANSPORT MEDIA (UTM)

Replacing M5 and M4-RT Viral Transport Media

The Microbiology laboratory began using Universal Transport Media (UTM) October 1st. The formulation of the media, the tube design and the scored flocked swab provide many advantages to providers:

- Storage at room temperature prior to sample collection
- Sustains viability of Viruses, Chlamydia, Mycoplasma and Ureaplasma
- Stand alone flat bottom design of the collection tube reduces the risk of biohazardous spills
- Scored flocked collection swab is easily broken off into the transport media
- Flocking on the swab features nylon strands that use capillary action to absorb and elute sample into the liquid media, improving detection and/or recovery of organisms
- Approved for use with the following tests

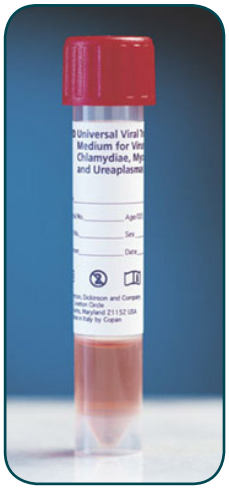
Rapid Influenza A & B	Herpes Culture
Rapid RSV Testing	Chlamydia Culture**
Viral Culture	Mycoplasma Culture
Shell Vial Culture	Ureaplasma Culture

Samples collected in UTM should be kept refrigerated until transported to the laboratory. Universal Transport Media can be obtained from the laboratory by filling out a laboratory supply form or calling the laboratory at 922-4526.

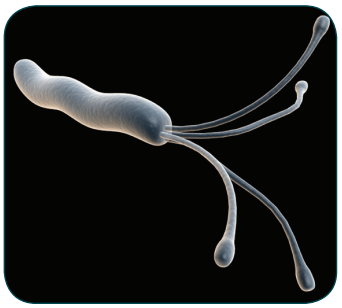
UNIVERSAL TRANSPORT MEDIA

Please call the Microbiology Laboratory at 922-4555 if you have questions or concerns.

**For molecular testing methods continue to use APTIMA collection tube.



Changes in H. Pylori Diagnosis



Starting January 1st 2012 the Rochester General Health System laboratory will no longer be offering *Helicobacter pylori* antibody detection in serum. The replacement assay will be *Helicobacter pylori* stool antigen based on the consensus guidelines published by the American Gastroenterological Association and the American College of Gastroenterology. According to these guidelines, stool antigen detection and urea breath test are both appropriate for the initial diagnosis and eradication confirmation of the bacterium. Unlike the urea breath test, there is no need to discontinue treatment for dyspepsia before testing a patient for *H. pylori* stool antigen.

The stool antigen assay is presently available. Any orders for *H. pylori* serology received after January 1st will be cancelled and the ordering physician will be contacted to recollect the correct specimen for the stool antigen assay. If there are any questions or concerns do not hesitate to contact Microbiology at 922-4555.

Compliance Corner

Reminders:

- Please complete the insurance section of the Laboratory Requisition with complete and accurate information. Inform your patients that insurance may not cover Laboratory procedures performed in conjunction with a routine physical.
- We have added a new field on the requisition for Maiden name/AKA. If your patient has been known by another name, please include that information. Many times the insurance company may have a different name than the one the patient currently uses.
- Please circle the correct sex on the requisition. Many laboratory procedures are gender specific and this information is required for reimbursement.

LABORATORY TESTS RELATED TO GASTROENTEROLOGY

The LTAC (Laboratory Testing Advisory Committee), formed in 2010, is a subcommittee of the Rochester General Hospital (RGH) medical staff. The committee's purpose is to review the efficacy and cost effectiveness of clinical laboratory tests performed at RGH or sent to reference labs for testing. LTAC recently submitted a list of tests deemed to offer little diagnostic, prognostic, or therapeutic value to the RGH Medical Board with the recommendation that they be removed from the laboratory test menu. The list which is below was approved, and the tests are no longer available through the RGH laboratory.

The list was developed and approved by a community-wide panel of physicians, including gastroenterologists, hematologists/oncologists, and endocrinologists, that included physicians from RGH, SMH, and Unity. It includes several tests that have been or could be ordered by gastroenterologists. Of these, the IBD-7 panel, a test marketed by Prometheus, is by far the most commonly ordered. We regret any inconvenience that this may cause our clients, but feel confident that this will improve the quality and cost effectiveness of medical care in our community. Please call Dr. Fricke (922-4576) or Dr. Vargas (922-4260), if there are any questions.

TESTS NOT ON RGH FORMULARY

ACHR/MUSK REFLEX ANTIBODY TEST
ADENOSINE DEAMINASE, RBC
ADENOVIRUS AB
ALAGILLE, TIER 1
ALPHA 1 ANTITRYPSIN GENOTYPE
ANTI MULLERIAN HORMONE
ATAXIA AUTOSOMAL DOMINANT EVALUATION
ATAXIA EVALUATION, COMPLETED
AUTOSOMAL DOMINANT HEREDITARY SPASTIC PARAPLEGIA
BETA THALASSEMIA GENE
C & W HEALTH CENTER OF BC-HETEROTAXY (X LINKED) Z1C3
CALPROTECTIN, FECAL
CAR AB
CAVEOLIN 3 DNA TESTING
CHARCOT MARIE TOOTH COMPLETE
CHIC2,4Q12 DELETION, FISH
CMT PARTIAL, AXONAL
COMPLEMENTATION STUDIES/ COBALAMIN UPDATE & DISTRIBUTION OF COMPLETE PKD EVALUATION
COMPREHENSIVE TEST (TEST 1- SEQUENCING AND COPY NUMBER)
CONGENITAL & CYCLIC NEUTROPENIA
CONNEXIN 32
COQ3
CREATINE
CX32 SEQ/DEL (CMTX)
CYSTATIN C
CYTOKERATIN AB
DIURETIC HORMONE AB
ENDOMYSIAL (EMA) AB IGG
FAM HEMIPLEGIC MIGRAINE EVALUATION
FEBRILE SEIZURES EVALUATION
FECAL PANCREATIC ELASTASE
FIBROSPECT II
GARS (CMT2D) #228
GILBERT'S SYNDROME
GLIADIN AB
GNE SEQUENCING
H PYLORI IGM AB
HEMOQUANT, FECES
HEPARIN DEPENDENT PLT AB
HEPATITIS C RIBA
IA-2 ANTIBODY
IBD SEROLGY 7 (PROMETHEUS)
JAUNDICECHIP RESEQUENCING ARRAY
LHON MTDNA PROFILE
LIMB GIRDLE MUSCULAR DYSTROPHY EVALUATION
MC4R
MITOCHONDRIAL MYOPATHY
MULTIPLE ENDOCRINE NEOPLASIA TYPE I
MYOTONIC DYSTROPHY
NABFERON NEUTRALIZING ANTIBODY
NEUTROPHIL AB
OPTIC ATROPHY EVALUATION
PANCREATITIS PANEL
PCKH19 DNA SEQUENCING EMFE
PHENOSENSE(R) INTEGRASE INHIBITOR
PORPHYRINS, SERUM TOTAL
PTEN GENE ANALYSIS
SITE SPECIFIC OI
SMA COMPLETE EVALUATION (REFLEXIVE)
TARGETED MUTATION ANALYSIS PROBAND
TELOMERE LENGTH
TPMT GENETICS
TRANSTHYRETIN DNA
TROFILE CO-RECEPTOR TROPISM ASSAY
UROVYSION FOR BLADDER CANCER

The Histology Department Aquires Three Instruments

TISSUE TEK PRISMA H&E STAINER/ COVERSLIPPER

The Tissue Tek Prisma/ Film coverslipper has been designed to deliver a new approach to staining and coverslipping, uniting what were once two separate instruments into one complete system. Featuring mechanically advanced robotic automation, this innovative platform offers a combination of continuous loading, versatility, and high-throughput staining and coverslipping now in one system. Users can perform H&E staining and coverslipping of up to five hundred slides per hour.

TISSUE TEK VIP-6 TISSUE PROCESSOR

Designed for streamlined operation, the VIP 6 utilizes enhanced reagent features for greater productivity including automatic transfer during processing, illuminated cabinet that enables observation of reagent levels, and 7 mixing options. VIP 6 features smart instruments designed to make processing easier than before.

Some of the features that are included on the VIP-6 are as follows:

- Optional xylene-free processing
- Automatically transfers 3 reagents at a time including paraffin during processing
- Continuous mixing for efficient processing
- High-resolution LCD color touch screen allows easy access to programs
- 3 user-defined cleaning cycles with optional drying cycle
- Programmable rinses with water, alcohol, water/ alcohol, alcohol/water, or an external solution
- Options for user-defined solutions, solution configurations, and programs
- Advanced filtering combines fume condenser system and 2 disposable activated carbon filters—eliminates the use of water
- User-defined 150- or 300-cassette capacity configuration
- Two levels of password protection for complete instrument and information security

VENTANA BENCHMARK ULTRA IMMUNOHISTOCHEMISTRY

The BenchMark ULTRA instrument is an individual slide processing solution that gives unprecedented workflow control, enabling the lab to easily manage STAT requests with no delay to in-process slides.

Benefits are:

Improve turnaround times and efficiency

- Deliver faster turnaround times with Lean Six Sigma "single piece flow" processing
- Process all slides in each patient's case together, to eliminate sorting
- See the exact status of patient samples with an intuitive visual instrument interface

Immediately process STAT and late-arriving samples

- Quickly respond to unexpected test requests without impacting other cases in process
- Efficiently add reagents as needed to enable immediate processing
- Ensure fast delivery of slides to pathologists

Provide consistent high-quality stains

- Optimize antibody and probe performance with enhanced protocol flexibilities
- Efficiently process dual and triple IHC stains
- Deploy next-generation molecular tissue testing today

Eliminate bottlenecks

- Add samples throughout the day to eliminate the need to batch slides
- Extend test order cut-off times, improving throughput and productivity all day
- Free technicians' time for value-added tasks using lean workflow processes