

# Anatomic Histopathology Services

## Laboratory Medical Director

Ross Barner, M.D.

## Histopathology Director

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## Staff Pathologists

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Pathologists may be reached at 719-365-5808.

## General Information

The Anatomic Histopathology Department provides diagnostic service to the clinicians of UCH South Memorial and outlying clinics and providers.

Diagnostic services include:

- Microscopic evaluation of Formalin Fixed Paraffin Embedded (FFPE) soft and hard tissues.
- Immunohistochemical testing for diagnostic and predictive tumor evaluation.
- Flow Cytometry.

See Testing Options below for additional testing available.

## Locations and Hours

Memorial Central Histopathology Lab

1400 E. Boulder Street,

Basement Room 0640

Colorado Springs, CO 80909

Phone (719) 365-5204

Fax (719) 365-6373

Memorial North Histopathology Lab

4050 Briargate Parkway,

Garden Level, Room B6216A

Colorado Springs, CO 80920

Phone (719) 364-1212

Fax (719) 364-3544

Regular business hours are M-F 5:30 a.m.- 5:00 p.m., Sat. 07:30 a.m.- 12:00 p.m.

Primary Histopathology operations are located at Memorial Central and serve satellite locations at Memorial North, Grandview Hospital, and Pikes Peak Regional Hospital. Frozen sectioning is also offered at Memorial North and Grandview Hospital.

## Submitting Specimens

Patient preparation is directed by the surgeon or provider.

Specimens collected at Memorial Central should be brought to the Histopathology Department during regular business hours, Basement room 0640. After-hour specimens may be brought to the Laboratory Inpatient Receiving/Laboratory Services main window in the basement room 0672b.

Specimens collected at Memorial North are brought to Histology Department on the Garden Level, room B6216A during regular business hours. After-hour specimens may be brought to the North Laboratory Service main window on the Garden Level room BG209.

All specimens are to be logged in at the receiving location recording patient name, medical record number, date and time.

Submit specimens in Neutral Buffered Formalin (NBF) at a minimum of 10:1 volume, ten part NBF, one-part specimen. Large specimens may be submitted fresh, without NBF, to the Histology Laboratory during regular business hours. After-hour specimens must be submitted to the main Laboratory Services window, room 0627b on the basement level of the UCH Memorial Central Hospital.

Specimens for flow studies must be submitted in RPMI.

Breast resections must be submitted fresh without NBF and during regular business hours. Time of excision must be recorded on the specimen label and the requisition form.

Breast biopsies require a record of time placed into NBF.

Suspected gout specimens must be submitted in 100% alcohol for gout crystal preservation.

Muscle biopsies must be submitted fresh on a slightly saline moistened Telfa pad to Histology during regular business hours M-Friday, 07:30 AM to 01:00 PM. The biopsy must not be sent floating in saline as this impedes diagnostic capabilities. Further instructions are available at

<https://medschool.cuanschutz.edu/neuromuscularlab>.

Frozen section evaluation is available during regular business hours. An on-call pathologist is available for after-hours frozen sectioning needs.

Bone marrows are scheduled by the radiology department and submitted in NBF.

Bone biopsies must be submitted in NBF. Requests for molecular studies must be noted on the requisition. Check the "No Decalcification" box on the non-Epic requisition for bone biopsies requiring specialized Oncology studies.

### **Specimen Labeling Requirements**

A Surgical Pathology requisition form must accompany all specimens. The requisition must list the ordering provider, pre op information or reason for the request, specimen site and laterality. Out patients must have insurance and demographic information attached.

Specimen containers must be labeled with patient's name (first and last) medical record number or date of birth, date, time of collection, specimen site, including laterality. Site description and laterality must match requisition.

Unidentified or unlabeled specimens will be returned to the requesting office for identification. A specimen identification form will be sent along with the specimen to be filled out and confirmed by provider's office.

If a STAT diagnosis is required, record on the requisition or notify the Histology Department at 719-365-5204.

### **After Hours Contact**

If a frozen section or STAT is required after hours contact the Laboratory Charge Tech at 719-365-5391.

### **Supplies**

Neutral Buffered Formalin and RPMI may be ordered by phoning 719-365-5204. Requisition forms are printable from the Source>App>Lab Test Catalog Memorial>Test Requisitions>non-Epic Histology requisition or (for off sites) Surgical Pathology.

### **Report Turn Around Time**

Surgical Pathology specimen results are generally reported within 48 hours after specimen receipt. Reports are available in Epic (inpatients) and outpatient report are faxed to provider office.

Reports with unexpected malignancies and significant abnormalities are communicated to the requesting physician via phone, fax, personal meeting or report comment. The final report is sent as soon as it is completed to the appropriate record center.

### **Quality Assurance and Accreditation**

Our goal is to provide accurate, consistent and timely performance and reporting for all Surgical Pathology specimens. All aspects of service are closely monitored and evaluated through a comprehensive quality assurance program.

The Histopathology Laboratory is inspected and accredited by the College of American Pathologist (CAP). All laboratory personnel participated in a program of continuing medical education, including nationally mandated pathology proficiency testing.

### **Testing Options**

All soft and hard tissue specimens are evaluated by a standard Hematoxylin and Eosin stain.

Consultation with a pathologist is recommended regarding specific testing not included in the list below.

Additional studies that may be required or requested by the provider include:

- HPylori, fungus, gram positive/negative bacteria.
- Immunohistochemical stains both diagnostic and prognostic markers.
- Flow studies.
- Frozen sectioning evaluation for tumor and margin analysis.
- Chromosome specialty studies are sent out
- Uric acid crystals for gout evaluation, submitted in 100% alcohol.
- Renal stone analysis is sent out.
- Renal biopsy glomeruli and evaluation is sent out.
- Autopsies may be ordered in Epic for fetal demise, pediatric and adults. Autopsies are performed off site.
- Muscle biopsy. See <https://medschool.cuanschutz.edu/neuromuscularlab> for detailed submission instructions.