

Outpatient Testing Center

This department is designed to meet the needs of community physicians wishing to refer patients for special diagnostic services available at Children's Hospital.

The Outpatient Testing Center desk is located in the main lobby of the hospital.

Any service in this section may be scheduled by contacting the department where the testing is to occur. Fax the referral forms to 501-364-3578. For additional information, call the Outpatient Testing Center at 501-364-1010.

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Cardiac Catheterization Laboratory

Information regarding the Cardiac Catheterization Laboratory is outlined in the ACH & UAMS Clinics & Services section on page 59.

Clinical Laboratories/ Pathology

Clinical laboratories employ skilled health professionals who routinely perform tests, analyze results and interpret and manage data. At the Arkansas Children's Hospital Clinical Laboratory, a team of pathologists and medical technologists participates and provides state-of-the-art laboratory testing.

Administrative Director

Earl D. Chambers, MHA
Fax: 501-364-1309

Chief of Clinical Laboratory

Douglas Blackall, MD
501-364-1316
Fax: 501-364-3912

RAPID RESPONSE LABORATORY

Routine and STAT laboratory testing is conducted in the Rapid Response Laboratory, where blood bank, chemistry, hematology/coagulation and selected microbiology and virology antigen tests are performed 24 hours each day of the year. This operation provides timely information necessary for diagnosis and treatment. More detailed analyses are conducted in other areas of the laboratory. Our receiving and phlebotomy staff draws patient specimens and prepares them for processing and shipment. Our clinical pathology staff advises the laboratory and is available for consultation in laboratory-related issues on a 7-day a week basis.

Specialized areas of the ACH Clinical Laboratory provide information used to diagnose complicated and unusual conditions include laboratories detailed in the following sections.

MICROBIOLOGY LAB

The Microbiology Lab performs routine analyses of specimens submitted for detection of bacteria, fungus and parasites. Antibiotic susceptibility testing is performed for use by physicians to determine appropriate therapy and to follow trends in hospital infections.

Medical Director

Stephanie H. Stovall, MD

Test Information/Schedule

501-364-1873

FAX: 501-364-4222

Location

Sturgis Building

Days

24 hours/day, 7 days/week

Scientific Director of Infectious Disease

Stefan Juretschko, PhD

METABOLIC AND SPECIAL CHEMISTRY LAB

The Metabolic and Special Chemistry Lab performs biochemical tests to identify rare diseases caused by genetic defects creating "inborn errors" of metabolism. Tests are designed to detect compounds, such as amino acids and organic acids, which build up in excess amounts. Advanced instrumentation is used to analyze therapeutic drug, trace metal and toxic chemical levels. Analyses are performed for enzyme deficiencies that can cause both chronic and episodic illness. A pediatric specialist performs interpretation of all metabolic testing and is available for consultation.

Director of Chemistry

Lisa Bates-Dubrow, PhD

Test Information/Schedules

501-364-1317

Fax: 501-364-4222

Days

Monday through Friday
8 a.m.-5 p.m.

Location

Sturgis Building

VIROLOGY LAB

The Virology Lab uses state-of-the-art technology to isolate and identify viral and chlamydia pathogens. Traditional culture methods are used to detect any viral pathogens that might be present. Rapid testing for detection of certain infections is performed to provide results for timely patient management and therapy decisions. Rapid testing is performed for RSV, adenovirus and influenza. Virology also evaluates the body's immune response to infection by measuring a variety of abnormal antibody responses, including those of allergic diseases.

Medical Director

Stephanie H. Stovall, MD

Test Information/Schedules

501-364-1630

Fax: 501-364-1265

Location

Sturgis Building

Days

Monday through Friday
8 a.m.-5 p.m.

Scientific Director of Infectious Disease

Stefan Juretschko, PhD

MOLECULAR DIAGNOSTICS LAB

The Molecular Diagnostics Lab performs a variety of polymerase chain reaction (PCR) assays for detection of the DNA or RNA specific to certain pathogens. PCR testing is available for CMV, EBV, pneumococcus, herpes simplex virus, enterovirus, pertussis, ehrlichia, nneisseria gonorrhoeae, chlamydia and methicillin-resistant staph occurrence.

Director

Stefan Juretschko, PhD

Test Information/Schedules

501-364-4242

Fax: 501-364-6880

Location

Sturgis Building

Days

Monday through Friday,
8 a.m.-5 p.m.

SPECIAL IMMUNOLOGY LAB

The Special Immunology Lab evaluates all degrees of functional immunodeficiency states of the adult and pediatric patients. Some of the available analyses include leukocyte subset quantitation, flow cytometry, reactivity of circulating lymphocytes to mitogenic stimulators and specific antigens, neutrophil function studies and antibody response to protein and carbohydrate antigens. A specialist physician is available for consultation regarding immunological testing and interpretation.

Medical Director

Terry O. Harville, MD

Test Information/Schedules

501-364-4242

Fax: 501-364-6880

Location

Sturgis Building

Days

Monday through Friday
8 a.m.-5 p.m.

SPECIAL COAGULATION LAB

The Special Coagulation Lab provides diagnostic testing for congenital bleeding disorders and monitors patients with those disorders throughout their lifespan.

Interim Medical Director

Douglas Blackall, MD

Test Information/Schedules

501-364-1313

Fax: 364-4222

Location

Sturgis Building

Days

24 hours/day, 7 days/week

TRANSFUSION MEDICINE/ BLOOD BANK LAB

The Transfusion Medicine/Blood Bank Lab provides transfusion support and performs routine and specialized serology and component preparation for pediatric patients. Cell saver autotransfusion procedures are carried out by Blood Bank personnel in the operating room. Infectious disease testing is provided for the routine detection of HIV and hepatitis and for pre-transplant workups. Clinical pathologists interpret transfusion reactions and antibody screening tests and are available for consultation on transfusion needs as a consultant.

Medical Director

Douglas Blackall, MD

Test Information/Schedules

501-364-1316

Fax: 501-364-4222

Location

Sturgis Building

Days

24 hours/day, 7 days/week

Anatomic Laboratories

The Histology Lab prepares surgical/autopsy tissues for microscopic diagnosis using routine, special and immunoperoxidase stains. The Anatomic Pathology Service employs surgical pathologists who are always on call for intraoperative consultation regarding specimen diagnosis. Routine diagnosis of biopsy and surgical specimens is performed on a 5 day/week basis, but special arrangements can be made by contacting the surgical pathologist on call. Autopsy pathologists are on call on a constant basis, but usually perform autopsies on a 7 day/week basis between 8 a.m. and 3 p.m. Special arrangements can be made if necessary by contacting the pathologist on call who is always available for consultation or questions regarding autopsy performance.

Surgical Pathology/Histology Director
Emily Howard, MD

Test Information/Schedules
501-364-4238
Fax: 501-364-3155

Location
Sturgis Building

Days
Monday-Friday (weekends on-call)

Autopsy Director
Carmen Steigman, MD

Gastroenterology (GI) Lab

The Gastroenterology (GI) Lab is a procedural lab conducting sedated and unsedated tests on patients with gastrointestinal complaints. Each patient must have been seen by a gastroenterologist with privileges to conduct tests in the lab. The procedures most commonly performed in the GI Lab are EGDs, colonoscopies, flexible sigmoidoscopies, esophageal motility, imaging capsule, pH probe, esophageal intraluminal impedance studies, breath hydrogen collection (for lactose or sucrose intolerance) and 13C urea breath test for H. pylori. Upper GI series, barium swallow study, liver biopsies and lower GI series (barium or hypaque enema) are performed in Radiology.

Appointments
Call Surgery Scheduling
501-364-2931

Location
2nd Floor, Main Hospital

Days
Monday through Friday

Medical Director
George Fuchs III, MD

Heart Station

The Heart Station offers state-of-the-art non-invasive cardiac diagnostic studies. These services are available to inpatients and outpatients. Three major areas of cardiac evaluation are found here: cardiac rhythm assessment, echocardiography and cardiac stress testing.

Cardiac rhythm assessment includes electrocardiograms, ambulatory 24-hour holter monitoring, transtelephonic event monitoring, pacemaker/defibrillator evaluations and tilt-table testing. Echocardiography is a comprehensive anatomical assessment of the heart and evaluation of cardiac function. Different modalities are available including transthoracic, transesophageal, intracardiac, fetal echocardiography and three-dimensional echocardiography. Exercise stress testing is also available. This can evaluate pulmonary function and cardiac performance in exercise and recovery. Monitoring of heart rate changes and rhythm during exercise is also performed.

Appointments

501-364-1818
Fax: 501-364-1422

Location

2nd Floor, West Wing (Main Hospital)

Days

Monday-Friday
8 a.m. to 4:30 p.m.

Medical Director

Renee A. Bornemeier, MD

Director of Cardiac Diagnostics

Sherrie D. Loyd, RT

Neurophysiology Laboratory

Information regarding the Neurophysiology Laboratory is outlined in the Neuroscience Center of Excellence section on page 91.

Pediatric Clinical Pharmacology and Toxicology

The following services are provided by this Division within the Department of Pediatrics:

CLINICAL PHARMACOLOGY

Complete assessment and evaluation of all problems concerning either pharmacodynamics (i.e., therapeutic selection, efficacy, safety, drug interactions, adverse drug effects) and clinical pharmacokinetics (i.e., adjustments of drug dosing for patients with renal and/or hepatic compromise, bioavailability assessment) are performed. Additionally, pharmacokinetic optimization of drug therapy for specialized patients (i.e., transplant patients receiving cyclosporine, patients receiving IVIG, warfarin and anticonvulsant agents) is available either on a consultative basis or through the Therapeutic Drug Monitoring Service. Drug information services relative to pediatric clinical pharmacology are also available to medical staff members. In addition, the Clinical Pharmacology Service provides consultation for tapers of opioids and benzodiazepines in critically ill children.

CLINICAL TOXICOLOGY

Consultation regarding the identification, emergency management, clinical care and follow-up evaluation for accidental and intentional ingestions is available on a 24-hour basis. Specialized services for chronic intoxications common to pediatrics (i.e., lead poisoning) are also provided on a consultative basis. The service is also available to provide expertise in the management of snake and spider envenomations.

The Section on Pediatric Clinical Pharmacology is staffed 24 hours a day, 7 days a week by board-certified (or eligible) professionals in Clinical Pharmacology.

Phone: 501-364-1418
Fax: 501-364-3654

Director

Laura P. James, MD
Pediatric Clinical Pharmacology, Toxicology and
Emergency Medicine
501-364-1418

Staff

Henry C. Farrar, MD
Pediatric Clinical Pharmacology, Toxicology and
Emergency Medicine
501-364-1418

Thomas G. Wells, MD
Pediatric Clinical Pharmacology and Nephrology
501-364-1418

Cindy D. Stowe, PharmD
Pediatric Clinical Pharmacology
501-364-1418

Holly D. Maples, PharmD
Pediatric Clinical Pharmacology
501-364-1418

Dean Roberts, PhD
Analytical Toxicology
501-364-1418

Kendrea Muldrew, PharmD
Pediatric Clinical Pharmacology
501-364-1418

Robert Pesek, MD
Pediatric Clinical Pharmacology, Toxicology
501-364-1418

Catherine O'Brien, PharmD
Pediatric Clinical Pharmacology
501-364-1418

Pharmacy Department

The Pharmacy Department provides a full range of contemporary pharmaceutical services to the health care professionals and patients of Arkansas Children's Hospital. Services to inpatients include a unit dose drug distribution system, an IV admixture service, preparation of total parenteral nutrition (TPN) solutions and manufacturing and packaging of special pediatric dosage forms. Outpatient services include prescription dispensing, patient and parent counseling and specialty prescription compounding.

The hospital operates under a strict formulary system controlled by an active pharmacy and therapeutics committee.

Inpatient Pharmacy

24 hours
501-364-4698

Outpatient Pharmacy

Monday-Friday
8 a.m. to 6 p.m.
501-364-1223

Director

Marita Nazarian, MS
501-364-1892

Outpatient Manager

Gary Perdue
501-364-1272

Assistant Director

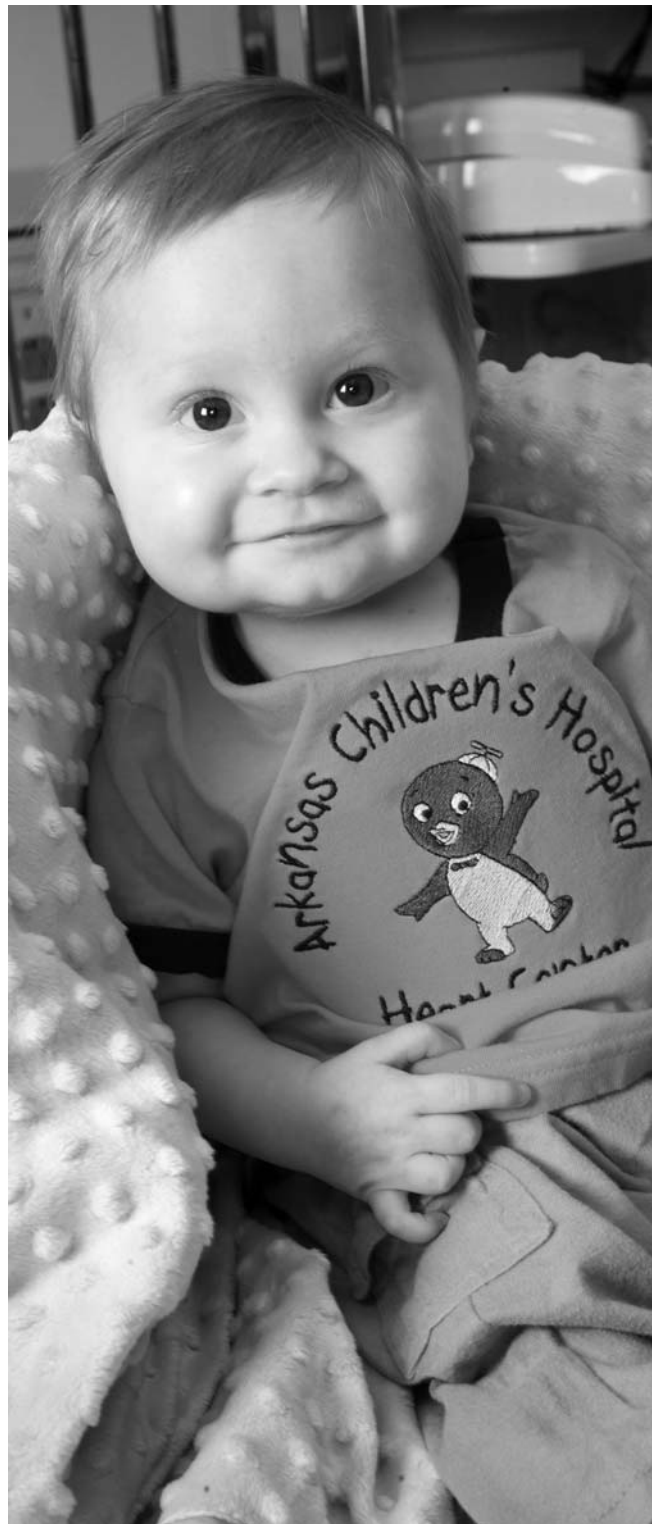
Garry Enderlin, MS
501-364-1228

Clinical Coordinator

Laura Morales, PharmD
501-364-1826

Fax

501-364-1853



Pulmonary Laboratory

The Pulmonary Laboratory offers a wide range of pulmonary diagnostic testing. Services available include spirometry and bronchodilator response, lung volumes, exercise-induced bronchospasm studies, 6-minute-walk tests, metabolic assessment, flexible bronchoscopy and sweat testing. Due to age limitations on some tests, please call the Pulmonary Lab for assistance with ordering.

Pulmonary Function Testing

501-364-1819
Fax: 501-364-1887

Location

2nd Floor, West Wing (Main Hospital)

Days

Monday-Friday by appointment

Sweat Testing

501-364-1819

Location

2nd Floor, West Wing (Main Hospital)

Days

Monday through Friday by appointment

Flexible Fiberoptic Bronchoscopy

Pulmonary Office
501-364-1006



Radiology

The department has nurses available and is equipped with constant monitoring devices so critically ill and sedated infants and children can be studied.

The department provides the following services:

DIAGNOSTIC RADIOLOGY

All diagnostic examinations can be performed.

NUCLEAR MEDICINE

Special examinations include gastric emptying determinations, diuretic renograms, studies to determine gastroesophageal reflux, bone imaging and tomographic reconstruction or SPECT capabilities. Normal service hours: Mon.-Fri. 8 a.m.-5 p.m.

ULTRASOUND

Sonography includes cranial, abdominal, pelvic, neonatal spine, venous Doppler, and eye, hip and soft tissue evaluation. Normal service hours: Mon.-Fri. 8 a.m.-6 p.m.

COMPUTERIZED TOMOGRAPHY (CT)

Low-dose CT imaging of all body areas including Cardiac CT and CTA procedures using a 64-slice or 320-slice CT scanner. Normal outpatient service hours: Mon.-Fri. 8 a.m.-6 p.m.

MAGNETIC RESONANCE IMAGING (MRI)

MR imaging of all body areas including Cardiac MRI, MRA, functional MRI and fetal imaging using three state-of-the-art 1.5 Tesla magnets. Normal outpatient service hours: Mon.-Fri. 8 a.m.-6 p.m.

INTERVENTIONAL RADIOLOGY

Percutaneous procedures performed under radiologic imaging guidance to diagnose and treat vascular and non-vascular disorders. Normal service hours: Mon.-Fri. 8 a.m.-5 p.m.

The diagnostic and CT sections are staffed 24 hours a day, 7 days a week. The other areas are on call after regular hours and on weekends.

There is a board certified pediatric radiologist on call 24 hours a day who can be reached by calling 501-364-1175.

General Medical Imaging Information

501-364-1175
Fax: 501-364-7556

PACS Support

501-364-7700 (urgent issues)
AHPACS@archildrens.org (non-urgent issues)

Radiologists

Sadaf T. Bhutta, MD
Robert Buchmann, DO
Judith Craychee, MD
Charles M. Glasier, MD
Bruce Greenberg, MD
Charles A. James, MD
Sarah G. Klein, MD
Scott A. Lile, MD
Mary B. Moore, MD
Marianne Neal, MD
Joanna J. Seibert, MD
Chetan Shah, MD

Director

501-364-7543

MEDICAL IMAGING PROCEDURES

Diagnostic Radiology

Direct: 501-364-4912
Scheduling: 501-364-7553

Nuclear Medicine

Direct: 501-364-1180
Scheduling: 501-364-6489

Computerized Tomography (CT)

Direct: 501-364-1308
Scheduling: 501-364-6489

Ultrasound

Direct: 501-364-1181
Scheduling: 501-364-7553

Magnetic Resonance Imaging (MRI)

Direct: 501-364-3509
Scheduling: 501-364-3554

Bone Densitometer

Direct: 501-364-4912
Scheduling: 501-364-7553

Interventional Radiology

Direct: 501-364-4975
Scheduling: 501-364-7195

Department of Rehabilitation Gerald F. Hamra Rehabilitation Center

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The department of rehabilitation at ACH houses the Physical Therapy, Occupational Therapy and Prosthetics/Orthotics Sections. The therapists and prosthetist/orthotist collaborate with each other and other ACH professionals, where appropriate, as well as with the physician and the patients and their families to establish goals and desired outcome of the respective therapies and orthotics or prosthetics.

Physical and occupational therapists at ACH serve as a resource for community therapists providing information regarding pediatric therapy and collaboration to establish home (community) care for ACH patients.

PHYSICAL THERAPY

Physical therapists provide examination, evaluation, PT diagnosis, prognosis and intervention of children with impairment, functional limitations and disabilities, whether resulting from sports injuries, delayed development or chronic and acute disease. The primary services offered to both inpatients and outpatients are exercise, gait training, developmental intervention, hydrotherapy (including therapeutic pool), electrotherapy (including TENS, NMES and biofeedback) and use of lower extremity orthotic and prosthetic devices. Patients are accepted on physician referral.

SPORTS REHABILITATION CLINIC

In order to provide a more comprehensive program, Physical Therapy has collaborated with Adolescent Medicine to provide a sports rehabilitation clinic in an outpatient setting within the ACH Adolescent Center. This program is geared to the adolescent athlete with goals that include decreasing incidence of injuries through prevention and pre-participation screenings. In addition, the program provides rehabilitation to the injured athlete in order to return the athlete to competition as quickly as possible. The sports physical therapists and athletic trainers who provide services in the ACH sports medicine clinic have experience in working with all levels of individuals including professional, Olympic, collegiate and junior and senior high school athletes.

OCCUPATIONAL THERAPY

Occupational therapists evaluate and treat children with physical disabilities, developmental delay, perceptual-motor problems and oral-motor difficulties. The primary services offered to both inpatients and outpatients are splinting, determining adaptive equipment needs, seating evaluations, feeding and videofluoroscopy swallowing assessments, developmental training, instruction in activities of daily living and evaluation/training in the use of switches and adapted technology. Patients are accepted on physician referral.

ORTHOTICS/PROSTHETICS

Orthotists provide patient care and services to children with neuromuscular or musculoskeletal disorders of the upper limbs, lower limbs, spine, torso and head. They evaluate, design, fabricate and fit orthosis (braces) to patients. Prosthetists evaluate, design, fabricate and fit prosthesis to the patients with limb deficiencies. They meet the physicians' goals in designing the systems that best fit the needs of their patients. They communicate with the physicians, physical therapist, occupational therapist and families to ensure that functional outcomes are achieved. Patients are accepted upon physician referral.

Appointments

501-364-1192
Fax: 501-364-3564

Location

1st Floor, Main Hospital

Days

Monday-Friday

Medical Director

Eldon Schulz, MD

Rehabilitation Director

Beth McKittrick-Bandy, MA, PT, PCS

Chief of Orthotics and Prosthetics

Scot Sepe, CPO, LOP, MM

Sports Rehabilitation Clinic

501-364-8336
Fax: 501-364-6728

Location

Adolescent Center

Medical Director

Brian H. Hardin, MD



Respiratory Care Services

The department of Respiratory Care Services offers assistance in pulmonary health care in the areas of prevention, diagnosis and management of patients with cardiopulmonary problems.

Respiratory therapists work as members of the health care team in a wide variety of areas: in the medical-surgical units, the Burn Center, all intensive care units, pulmonary laboratory, sleep disorders center, blood gas/electrolyte analysis, bronchoscopy assists, cardiopulmonary resuscitation, patient discharge planning, patient/family instruction for home care and outpatient clinics.

RCS personnel are available in all areas of the hospital 24 hours a day. Intensive care units have assigned personnel each shift. The department works under medical staff orders and under direction of a medical director.

Medical Director

Mark J. Heulitt, MD
501-364-1008

Director

Patty Burge, RRT
501-364-3530

Departmental Office

501-364-3530
Fax: 501-364-3411

Tissue Typing Laboratory (UAMS Laboratory)

The HLA Laboratory, located at Arkansas Children's Hospital, is a service offered by UAMS. The HLA laboratory supports the clinical solid organ transplantation programs for the state of Arkansas. These services include identification of specific tissue antigens including HLA-A, B, C, DR, DQ, lymphocytotoxicity cross matches and determining presence and specificity of circulating anti-HLA antibody.

Please contact the HLA laboratory before sending samples.

Director

Terry O. Harville, MD, PhD
501-364-1885

Laboratory Supervisor

Valeria Smith
Office: 501-364-1803
Fax: 501-364-4795

Business Office

Vickie Carroll
501-364-6675

Urodynamic Laboratory

The Urodynamic Laboratory services are available to test various urinary tract abnormalities including neurogenic bladder, voiding difficulties, incontinence and bed wetting.

Tests include cystometrograms, electromyography, urine flow rates and pressure flow studies.

Appointments

501-364-2632 ext. 1
Fax: 501-364-3960

Location

Clinic 5
Sturgis Building, 2nd Floor

Days

Tuesday, Wednesday and Thursday

Director

Pramod Reddy, MD
501-364-2632



Notes