



SUMMIT
MEDICAL GROUP

*Proudly setting the standard
in Tennessee since 1995.*

**ANCILLARY
SERVICES**

DIAGNOSTIC IMAGING

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SUMMIT MEDICAL GROUP

DIAGNOSTIC IMAGING



Summit Diagnostic Imaging Centers provide the highest quality diagnostic testing at four convenient locations and at a **significantly lower** cost to patients than a hospital setting.

Diagnostic imaging services offered at Summit Medical Group include:

- DEXA - Bone densitometry
- Cardiac monitors
- Computed tomography (CT)
- CT Angiography (CTA)
- Electromyography & Nerve Conduction Study (NCS)
- Magnetic resonance angiogram (MRA)
- Magnetic resonance imaging (MRI)
- Mammography
- Nuclear medicine
- Stress tests - Treadmill & chemical stimulant
- Ultrasound & Echocardiogram
- X-ray

Three benefits of choosing Summit Imaging Centers:

QUALITY

Fully-accredited facilities and licensed technologists

CONVENIENCE

Dedicated imaging facilities & free parking

COST-EFFECTIVE

Simplified billing & lower costs than hospitals

CARDIAC MONITORS

Cardiac monitors evaluate any irregular heartbeats or blood pressure issues patients may experience during regular activities, including exercise and sleep.

A cardiac monitor records the heart's electrical activity by acquiring information the way an electrocardiogram (ECG) works, but records for a longer duration.



Summit's Cardiac Monitors

Summit Diagnostic Imaging Centers capture blood pressure and electrical activity of the heart by utilizing the following three cardiac monitors:

AMBULATORY BLOOD PRESSURE MONITOR

An Ambulatory Blood Pressure Monitor is a special device that consists of a blood pressure cuff worn on your arm that is attached to a small recording device that you wear on your belt. Multiple automatic measurements are taken during a 24-hour period while you move around, living your normal, everyday life.

HOLTER MONITOR

A Holter Monitor is a special type of portable electrocardiogram that records the electrical activity of the heart continuously for 24 hours or longer using several electrodes attached to the patient's chest. The recordings are reviewed for irregularities that may occur during normal patient activity.

EVENT MONITOR

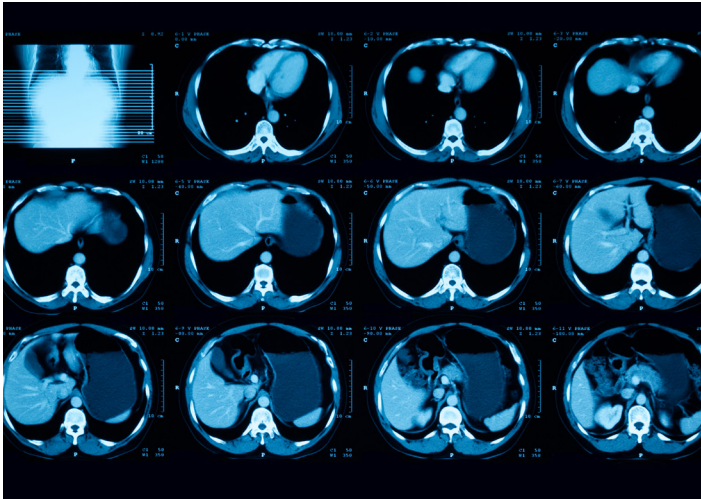
An Event Monitor is a portable device used to record irregular heart rhythms for up to 30 days; patients turn the monitor on when experiencing pain or other symptoms. Recordings are sent to a monitoring center for review. The patient's doctor is contacted if recordings indicate danger.



COMPUTED TOMOGRAPHY & CT ANGIOGRAPHY

Using special x-ray equipment to create a series of detailed 3-D images of areas inside the body, Computed Tomography (CT) helps providers identify and locate abnormalities.

www.summitmedical.com/services/diagnostic/ctscan



CT vs CTA: What's the Difference?

COMPUTED TOMOGRAPHY

Computed tomography (CT) is a method of body imaging in which a thin x-ray beam rotates around the patient.

Small detectors measure the amount of x-rays that make it through the patient or particular area of interest.

A computer then analyzes the data to reconstruct 3-dimensional cross-sectional images. This enables the Summit physician to identify and locate abnormalities accurately.

CT ANGIOGRAPHY

CT Angiography (CTA) combines a standard CT scan with an injection of a special contrast to visualize blood flow and blood vessel integrity in various parts of the body.



*Summit performs the following **CT** procedures:*

- Head • Neck • Chest
- Spine • Abdomen & Pelvis

*Summit performs the following **CTA** procedures:*

- Head • Chest • Extremity
- Abdomen & Pelvis



ELECTROMYOGRAPHY & NERVE CONDUCTION STUDIES

Electromyography (EMG) uses muscle stimulation to identify abnormal electrical signals associated with muscle and nerve function and injury.

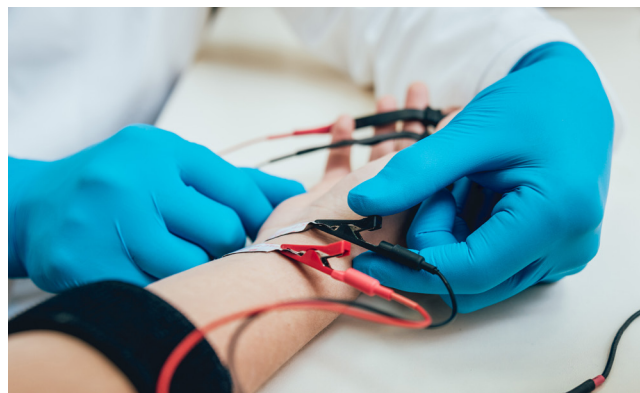
Nerve Conduction Studies (NCS) evaluate the structural integrity and function of both muscle and nerve by measuring electrical activity and signal speed to localize nerve pressure or damage.

What are EMG & NCS?

EMG and NCS are two tests that measure the electrical activity of muscles and nerves. Nerves send out electrical signals to make your muscles react in certain ways. As your muscles react, they give off these signals, which can then be measured.

An electromyography test (EMG) looks at electrical signals your muscles make when they are at rest and when they are being used.

A nerve conduction study (NCS) measures how fast and how well your body's electrical signals travel down your nerves.



What are they used for?

EMG tests and nerve conduction studies can both help find out if you have a disorder of your muscles, nerves, or both. These tests can be done separately, but they are usually done at the same time.

They help diagnose a variety of muscle and nerve disorders. An EMG test helps find out if muscles are responding the right way to nerve signals. Nerve conduction studies help diagnose nerve damage or disease. When EMG tests and nerve conduction studies are done together, it helps providers tell if your symptoms are caused by a muscle disorder or a nerve problem.



MRI & MRA



MRI vs MRA: What's the Difference?

MAGNETIC RESONANCE IMAGING

Magnetic Resonance Imaging (MRI) is a safe, painless procedure that uses a magnetic field and radio waves to produce images of body structures and organs.

MAGNETIC RESONANCE ANGIOGRAPHY

Magnetic Resonance Angiography (MRA) uses MRI technology to produce images of blood vessels to detect, diagnose, and aid the treatment of heart disorders, stroke, and blood vessel diseases.

Summit performs the following **MRI** procedures:

- Brain • Spine • Extremity
- Abdominal Region

Summit performs the following **MRA** procedures:

- Brain or Neck
- Abdomen & Lower Extremity

As of May 2023, Summit Medical Group now offers a new, state-of-the-art wide bore MRI machine for all MRI procedures.

Patient benefits include improved comfort (especially in claustrophobic patients), speed of scans, and shorter wait times. Physicians see significantly increased accuracy in scans as well as quicker procedures/increased patient volumes.

www.summitmedical.com/services/diagnostic/mri



MAMMOGRAPHY

A mammogram is a safe, low-dose x-ray picture of the breast. It is currently the most effective method of detecting breast cancer in its earliest, most treatable stages. Also, a mammogram can detect a tumor much earlier than it can be felt.

www.summitmedical.com/services/diagnostic/mammography

Early Detection, Successful Treatment

Breast cancer is the second most common cancer in women; about 1 in 8 U.S. women (13%) will develop breast cancer over the course of her lifetime. Breast cancer is also the second deadliest cancer for U.S. women, second only to lung cancer. However, it has been shown that regular screenings can significantly improve breast cancer survival rates.

The American Cancer Society has recommended that women receive regular yearly mammograms beginning at forty years of age. Early detection has also been shown to increase a woman's chances for successful treatment.

ENHANCED TECHNOLOGY

3-D mammography takes multiple images of breast tissue to create a multi-layered image, compared to a single image created by traditional mammography. It emits the same amount of radiation as a traditional mammogram, takes only a few seconds more to perform and causes no additional discomfort. The clearer 3-D picture allows doctors to examine breast tissue one layer at a time to help make a more accurate diagnosis, thus helping to reduce false positives and the need for further testing.

3-D mammography is particularly beneficial for women with dense breasts because the multiple, higher-quality images make it much easier for doctors to spot abnormalities than traditional mammography. Studies have shown that ultrasound can also help find breast cancers that can't be seen on a 2D mammogram. However, the cost of an ultrasound may not be covered by insurance. Traditional and 3D mammograms are fully covered by most insurance providers, including Medicare.



BREAST DENSITY & 3-D MAMMOGRAPHY

Breast density is determined by the radiologist who reads your mammogram. There are four categories of mammographic density. The radiologist assigns each mammogram to one of the categories.

Having dense breast tissue may increase the risk of getting breast cancer. Dense breast tissue also makes it more difficult for doctors to spot cancer on mammograms. Dense tissue appears white on a mammogram. Lumps, both benign and cancerous, also appear white. This can make traditional mammograms less accurate for women with dense breasts. However, 3D mammography can detect more invasive breast cancers while providing more accurate results — with fewer false positives. It is also a good option for women with dense breasts, as it can limit the need for unnecessary callbacks and ultrasound or MRI screenings.

NUCLEAR MEDICINE

Nuclear medicine uses very small, safe amounts of radioactive materials, called radiopharmaceuticals, to image specific organs and functions within the body.

A gamma camera detects this material and produces 3-D images for evaluation by a radiologist or cardiologist.



What scans are performed by Summit using nuclear medicine?

BONE

Determines bone abnormalities such as small stress fractures, cancer, tumors, infection; also used to determine the cause of unexplained pain.

LIVER/SPLEEN

Used to assess the condition of the liver and/or spleen after trauma; also used to determine the cause of unexplained pain.

HEPATOBILIARY

Determines if the gallbladder is properly functioning; helps diagnose unexplained pain.

RENAL (KIDNEY)

Used to evaluate blood flow to the kidneys and kidney function; also used to determine if poor blood flow is a result of prolonged high blood pressure.

DIAGNOSTIC SCREENINGS

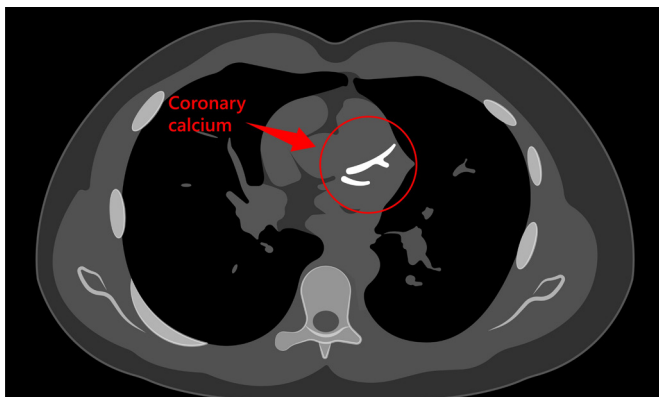
Screening tests detect potential health disorders or diseases in people who may not have any symptoms of a disease but could be considered high-risk, based on a number of related factors.

The goal of screening is early detection and lifestyle changes or surveillance, to reduce the risk of disease, or to detect it early enough to treat it most effectively.

What screenings are offered by Summit Medical Group?

BONE DENSITOMETRY

This test helps estimate bone density and the chance of a break. Summit performs tests of the hip and spine using a central DEXA machine to diagnose osteoporosis. (DEXA stands for Dual Energy X-ray Absorptiometry).



CARDIAC CALCIUM

This test measures calcified plaque to help predict heart disease risk at an early stage, before symptoms occur, for up to 10 years after the scan. The exam uses high resolution, rapid CT to take multiple angle X-Rays to create 2-D images of the beating heart. Physicians then analyze the CT to provide a calcium score for risk of cardiac artery blockage.

LUNG CANCER

This test uses a low-dose spiral computed tomography (LDCT) scan of the patient's chest. It is similar to a regular CT scan, but less radiation is used. Neither drinking contrast nor injections are required. The CT is then interpreted by a team of radiologists.



IMAGING BY THE NUMBERS

Summit provides the highest quality diagnostic imaging services at a **significantly lower** cost to patients than a hospital setting.

IMAGING TEST	HOSPITAL "NORTH"	HOSPITAL "WEST"	SUMMIT IMAGING
Routine Treadmill Stress Test	\$1,962	\$487	\$172
Cardiolite Treadmill Stress Test	\$6,636	\$6,332	\$1,415
MRI Lspine (no contrast)	\$4,360	\$2,350	\$539
CT Abdomen	\$4,088	\$1,320	\$495
Additional Radiologist Fee*	\$123 - \$282	\$215 - \$530	INCLUDED
Additional Cardiologist Fee*	\$44 - \$241	\$54 - \$221	INCLUDED

* Actual charges for area services. Patient payment responsibility varies according to insurance. Patient payment responsibility is significantly lower at a Summit Diagnostic Imaging Center.

NUCLEAR CARDIOLOGY & STRESS TESTS

Nuclear cardiology and cardiac stress tests are used to help assess heart health and diagnose coronary artery disease and other cardiac conditions.

Tests Performed by Summit

CARDIAC STRESS TEST

During a cardiac stress test, heart activity is measured using an electrocardiogram (EKG) as the patient walks on a treadmill to assess stress response. Small electrodes placed on various body areas track heart activity. Treadmill speed and elevation slowly increase until the patient reaches a certain heart rate or needs to stop.



NUCLEAR CARDIOLOGY

During a nuclear cardiology test, a small amount of radioactive tracer is given through an IV. A nuclear medicine machine with a camera detects the tracer as it moves around the patient's chest and takes images of the heart. Images are produced to evaluate coronary arteries, blood flow, and integrity of the heart muscle.

CHEMICAL STRESS TEST

During this test, the patient is connected to an EKG machine and an IV of Lexiscan and a radiological tracer is started in the arm. The nuclear medicine camera will take two sets of images two hours apart: a resting set and a stressed set. Each image set takes approximately 15 minutes. The entire test lasts approximately four hours.

MUGA SCAN

A multigated acquisition (MUGA) scan measures how much blood is expelled with every heartbeat. Patients receive two injections of radioactive tracer about 20 minutes apart. A nuclear camera takes images of the heart from different angles while the heart is being monitored by an EKG. Each image takes about 10 minutes.

MYOCARDIAL PERFUSION

A myocardial perfusion scan uses a radioactive tracer to evaluate heart activity during rest and during stress. For the stress portion, the patient walks on a treadmill or is given Lexiscan to simulate an exercise response. It includes EKG monitoring. Two sets of images are taken two hours apart: one resting and one post-stress.



ULTRASOUND

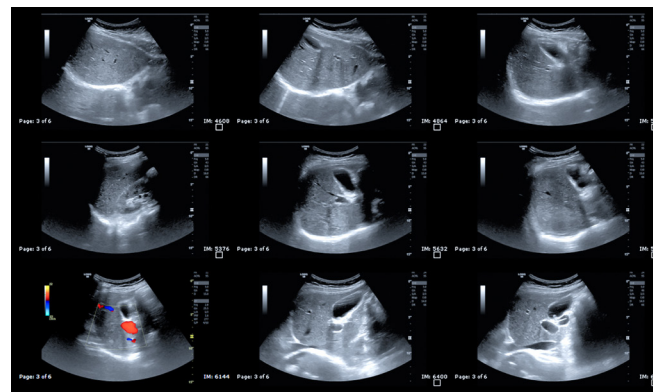
Ultrasound imaging (sonography) uses high-frequency sound waves to view soft tissues such as muscles and internal organs. Because ultrasound images are captured in real-time, they can show movement of the body's internal organs as well as blood flowing through blood vessels.

How Does Ultrasound Work?

In an ultrasound exam, a hand-held transducer is placed against the skin. The transducer sends out high frequency sound waves that reflect off of body structures. The returning sound waves, or echoes, are displayed as an image on a monitor. The image is based on the frequency and strength (amplitude) of the sound signal and the time it takes to return from the patient to the transducer.

Unlike with an x-ray, there is no ionizing radiation exposure with this test. During an echocardiogram, the patient is connected to an EKG monitor that continuously records heart rate.

Depending on the type of exam, ultrasound procedures typically range from 15 minutes to an hour.



Summit performs the following
Ultrasound procedures:

- Abdomen - Complete or Limited, or Gallbladder
- Abdomen/Pelvis - Combined
- Pelvis

www.summitmedical.com/services/diagnostic/ultrasound



CENTRAL LAB CAPABILITIES

Summit laboratory professionals process a majority of tests that are performed at Summit practice sites - more than 28,000 per day - and also draw certain routine labs at physicians' requests.

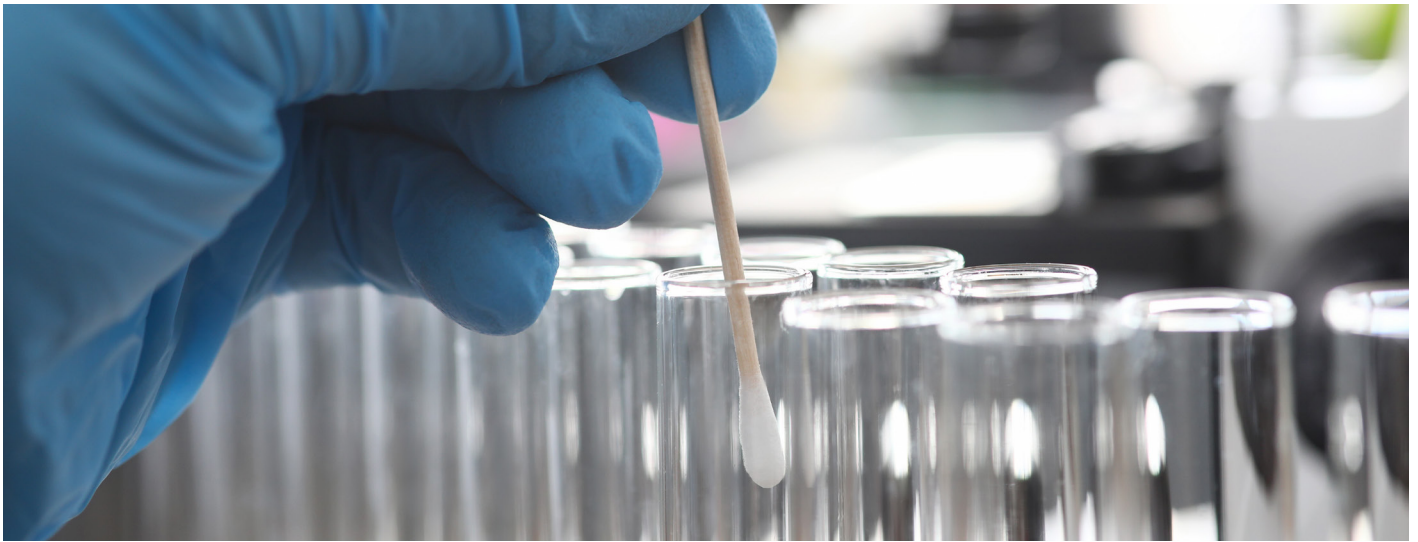
Operating under the direction of a board-certified pathologist, the Summit Central lab has achieved accreditation and is designated a "Laboratory of Excellence" by COLA, Inc., an independent, non-profit accrediting body for more than 7,000 medical laboratories across the country.

Sending Patients to the Lab (specimen collection)

Patients can have specimens collected at the Central Lab during the following days and times:

MONDAY - FRIDAY, 8AM - 8PM

Patients must have some form of order from a Summit physician before labs will be drawn. The office will be called and asked to place the order in Athena when the patient arrives at the lab if no orders are provided during the site's business hours.



The following procedure should be followed to place orders for patients who choose to come to the Summit Central Laboratory to have specimens collected:

ATHENA

- Place a future order in Athena or provide the order details in a Tickler. Order details in the Tickler should include ICD-10, the test name, and/or test code for Quest tests.
- The office will be called and asked to place the order in Athena when the patient arrives at the lab if no orders are provided during business hours.

FAXED OR WRITTEN ORDERS

- The patient may bring a written order, or the order may be faxed to 865-588-1649.
- If faxed or written, the order must include the patients full name, MRN, DOB, test name, test code number for Quest tests and ICD-10 code.
- The office will be called and asked to place the order in Athena when the patient arrives at the lab if no orders are provided during business hours.

STANDING ORDERS MUST BE RENEWED AFTER 12 MONTHS

LAB TEST MENU*

STABILITY CHART & PRICE GUIDE

*Includes all tests, but not all order choices

Collection Containers	Boritex Preserved Urine Tube	Lavender Top Required	Aptima Tube*
One Gold Top Tube For All	Second Gold Top Tube Required	Blue Top Tube Required	Swab in Saline

* Aptima tubes are provided by Summit Central Lab by request at (865) 588-0236

CHEMISTRY PANELS				INDIVIDUAL CHEMISTRY TESTS			
TEST	STABILITY	CPT	Pt. Price	TEST	STABILITY	CPT	Pt. Price
SMG-Comprehensive Metabolic Panel (CMP)	(72 HRS/ 3 DAYS)	80053	\$21.00	SMG-Albumin	(7 DAYS/ 1 WEEK)	82040	\$12.00
Albumin	Chloride			SMG-Alkaline Phosphatase (ALP)	(96 HRS/ 4 DAYS)	84075	\$13.00
ALP	CO2			SMG-ALT (GPT)	(7 DAYS/ 1 WEEK)	84460	\$13.00
ALT	Creatinine			SMG-Amylase	(7 DAYS/ 1 WEEK)	82150	\$16.00
AST	Glucose			SMG-AST (GOT)	(7 DAYS/ 1 WEEK)	84450	\$13.00
Bilirubin, Total	Potassium			SMG-Bilirubin, Direct	(7 DAYS/ 1 WEEK)	82248	\$12.00
BUN	Protein, Total			SMG-Bilirubin, Total	(7 DAYS/ 1 WEEK)	82247	\$12.00
Calcium	Sodium			SMG-BUN	(7 DAYS/ 1 WEEK)	84520	\$10.00
SMG-Basic Metabolic Panel (BMP)	(72 HRS/ 3 DAYS)	80048	\$17.00	SMG-Calcium	(7 DAYS/ 1 WEEK)	82310	\$13.00
BUN	Creatinine			SMG-CO2	NOT STABLE UNCAPPED	82374	\$12.00
Calcium	Glucose			SMG-Chloride	(7 DAYS/ 1 WEEK)	82435	\$11.00
Chloride	Potassium			SMG-Cholesterol	(7 DAYS/ 1 WEEK)	82465	\$11.00
CO2	Sodium			SMG-CK, Total	(7 DAYS/ 1 WEEK)	82550	\$16.00
SMG-Renal Function Panel	(72 HRS/ 3 DAYS)	80069	\$17.00	SMG-Creatinine	(7 DAYS/ 1 WEEK)	82565	\$12.00
Albumin	Creatinine			SMG-CRP	(7 DAYS/ 1 WEEK)	86140	\$13.00
BUN	Glucose			SMG-Digoxin	(7 DAYS/ 1 WEEK)	80162	\$31.00
Calcium	Phosphorus (inorg)			SMG-Phenytoin (Dilantin)	(7 DAYS/ 1 WEEK)	80185	\$31.00
Chloride	Potassium			SMG-Glucose	(7 DAYS/ 1 WEEK)	82947	\$10.00
CO2	Sodium			SMG-GGT	(7 DAYS/ 1 WEEK)	82977	\$17.00
SMG-Hepatic Panel	(96 HRS/ 4 DAYS)	80076	\$17.00	SMG-HDL	(7 DAYS/ 1 WEEK)	83718	\$20.00
Albumin	Bilirubin, Direct			SMG-hsCRP	(7 DAYS/ 1 WEEK)	86141	\$31.00
ALP	Bilirubin, Total			SMG-Iron*	(7 DAYS/ 1 WEEK)	83540	\$16.00
ALT	Protein, Total			SMG-LDH	(96 HRS/ 4 DAYS)	83615	\$15.00
AST	—			SMG-Direct LDL	(7 DAYS/ 1 WEEK)	83721	\$23.00
SMG-Lipid Panel	(7 DAYS/ 1 WEEK)	80061	\$32.00	SMG-Lipase	(7 DAYS/ 1 WEEK)	83690	\$17.00
Cholesterol	VDL, calculated			SMG-Lithium	(48 HRS/ 2 DAYS)	80178	\$16.00
Triglycerides	LDL, calculated			SMG-Magnesium	(7 DAYS/ 1 WEEK)	83735	\$16.00
HDL, Direct	C/H Ratio, calculated			SMG-Phosphorus	(7 DAYS/ 1 WEEK)	84100	\$11.00
Non-HDL Cholesterol, calculated	L/H Ratio, calculated			SMG-Potassium	(72 HOURS/ 3 DAYS)	84132	\$11.00
SMG-Electrolyte Panel	(72 HOURS/ 3 DAYS)	80051	\$14.00	SMG-Pre-Albumin	(7 DAYS/ 1 WEEK)	94134	\$30.00
Chloride	Potassium			SMG-Protein, Total	(7 DAYS/ 1 WEEK)	84155	\$9.00
CO2	Sodium			SMG-RF, QN	(7 DAYS/ 1 WEEK)	86431	\$14.00
General Health Panel	(48 HRS/ 2 DAYS)	80050	\$71.00	SMG-Sodium	(7 DAYS/ 1 WEEK)	84295	\$12.00
CBC-AD	CMP			SMG-Transferrin*	(7 DAYS/ 1 WEEK)	84466	\$30.00
TSH				SMG-Triglycerides	(7 DAYS/ 1 WEEK)	84478	\$14.00
MOLECULAR TESTS				SMG-Uric Acid	(7 DAYS/ 1 WEEK)	84550	\$11.00
SMG-Chlamydia (CT)	(7 DAYS/ 1 WEEK)	87491	\$82.00	SMG-Valproic Acid	(7 DAYS/ 1 WEEK)	80164	\$32.00
SMG-N. gonorrhoea (GC)	(7 DAYS/ 1 WEEK)	87591	\$82.00	* Calculated TIBC and % Saturation are reported when Iron and Transferrin are ordered together as an SMG-Iron Panel			
SMG-SARS-Cov-2 RNA, QL NAAT	(144 HRS/ 6 DAYS)	U0003	\$105.00				

GLUCOSE TOLERANCE TESTS				HEPATITIS PANELS			
TEST	STABILITY	CPT	Pt. Price	TEST	STABILITY	CPT	Pt. Price
SMG-?GLUCOSE, GTT, 2HR, 2SPEC, 75GM				SMG-Hepatitis Panel Acute	(7 DAYS/ 1 WEEK)	80074	\$108.00
Give 75 grams glucose dose				Hep Bc Ab, IgM	Hep Bs Ag	Hep Bc Ab	
Fasting Glucose		82947	\$10.00	HCV Ab			
2-hour post glucose		82950	\$12.00	SMG-Hepatitis Panel, General (enter charges for each test)			
SMG-?GLUCOSE, GTT, 2HR, 3SPEC, 75GM				Hep A Ab, Total	Hep Bc Ab, Total	Hep Bs Ag	
(2 hr. with 3 specimens or 3 hr, 4 hr, 5 hr)				Hep Bc Ab, QL	HCV Ab		
Give 75 grams glucose dose				INDIVIDUAL HEPATITIS TESTS			
Fasting, 1hour, 2-hour specimens		82951	\$23.00	SMG-Hepatitis A AB, IGM	(7 DAYS/ 1 WEEK)	86709	\$27.00
Code each additional specimen (3 hr, 4 hr, 5 hr)		82952	\$10.00	SMG-Hepatitis A AB, TOTAL	(7 DAYS/ 1 WEEK)	86708	\$28.00
SMG-?GESTATIONAL GTT, 2HR, 3 SPEC, 75GM				SMG-Hepatitis B core AB, IgM	(7 DAYS/ 1 WEEK)	86705	\$28.00
Give 75 grams glucose dose				SMG-Hep B Core AB, Total	(7 DAYS/ 1 WEEK)	86704	\$29.00
Fasting, 1hour, 2-hour specimens		82951	\$23.00	SMG-Hep Bs AB QL	(7 DAYS/ 1 WEEK)	86706	\$26.00
SMG-?GESTATIONAL GTT, 3HR, 4 SPEC, 100GM				SMG-Hep Bs AB QNT (Immune)	(7 DAYS/ 1 WEEK)	86317	\$35.00
Give 100 grams glucose dose				SMG-Hep Bs AG	(7 DAYS/ 1 WEEK)	87340	\$21.00
Fasting, 1hour, 2-hour specimens		82951	\$23.00	SMG-Hepatitis C AB	(7 DAYS/ 1 WEEK)	86803	\$34.00
3-hour specimen		82952	\$10.00	SMG-HIV 1/2 Combo	(7 DAYS/ 1 WEEK)	86703	\$32.00
SMG-?GESTATIONAL GLUCOSE SCREEN, 1HR, 2 SPEC, 50GM				COAGULATION			
Give 50 grams glucose dose				SMG-Prothrombin Time, PT	(24 HRS/ 1 DAY)	85610	\$10.00
Fasting Glucose		82947	\$10.00	SMG-APTT (Activated Partial Thromboplastin Time)	FRZ WITHIN 4 HRS	85730	\$14.00
1-hour post glucose		82950	\$12.00				

IMMUNOCHEMISTRY TESTS				IMMUNOCHEMISTRY TESTS (CONTINUED)			
SMG-HA1C	(7 DAYS/ 1 WEEK)	83036	\$23.00	SMG-TSH	(7 DAYS/ 1 WEEK)	84443	\$40.00
SMG-BNP, B-TYPE NATRIURETIC PEPTIDE (PLASMA)	Separate w/in 6 HRS	83880	\$80.00	SMG-Vitamin B12	(120 HRS/ 5 DAYS)	82607	\$36.00
	<24HRS REF PLASMA			SMG-Vitamin D, 25OH	(120 HRS/ 5 DAYS)	82306	\$69.00
	>24 HRS FREEZE PLASMA			SMG-C-Peptide	(7 DAYS/ 1 WEEK)	84681	\$49.00
SMG-PTH, INTACT (PLASMA)	Separate w/in 2 HRS	83970	\$97.00	URINALYSIS & MICROSCOPIC EXAMS			
	(48 HRS/ 2 DAYS) REF			SMG-Urinalysis with micro	(72 HRS/ 3 DAYS)	81001	\$8.00
SMG-SARS-Cov-2 IgG II AB	(48 HRS/ 2 DAYS)RT	86769	\$61.00	SMG-Urinalysis (dipauto)	(72 HRS/ 3 DAYS)	81003	\$6.00
	(7 DAYS/ 1 WEEK) REF			SMG-Microalbumin/Creat Ratio	(7 DAYS/ 1 WEEK)	82043	\$32.00
SMG-Cortisol (AM, PM)	(7 DAYS/ 1 WEEK)	82533	\$38.00	*Creatinine, Urine (to be ordered as part of the microalbumin test)	(7 DAYS/ 1 WEEK)	82570	\$13.00
SMG-DHEA-S	(48 HRS/ 2 DAYS) REF	82627	\$52.00	HEMATOLOGY			
SMG-Estradiol	(48 HRS/ 2 DAYS)	82670	\$66.00	SMG-CBC (No diff)	(48 HRS/ 2 DAYS)	85027	\$16.00
SMG-Ferritin	(7 DAYS/ 1 WEEK)	82728	\$32.00	SMG-CBC (Auto Diff)	(48 HRS/ 2 DAYS)	85025	\$19.00
SMG-Folic Acid	(7 DAYS/ 1 WEEK)	82746	\$35.00	SMG-HCT, Hematocrit	(48 HRS/ 2 DAYS)	85014	\$6.00
SMG-FSH	(7 DAYS/ 1 WEEK)	83001	\$44.00	SMG-HGB, Hemoglobin	(48 HRS/ 2 DAYS)	85018	\$6.00
SMG-Insulin	(7 DAYS/ 1 WEEK)	83525	\$27.00	SMG-Manual Diff	(24 HRS/ 1 DAY)	85007	\$9.00
SMG-LH(Luteinizing Hormone)	(7 DAYS/ 1 WEEK)	83002	\$44.00	SMG-Platelet Count	(48 HRS/ 2 DAYS)	85049	\$11.00
SMG-Progesterone	(48 HRS/ 2 DAYS)	84144	\$49.00	SMG-Retic Count	(72 HRS/ 3 DAYS)	85045	\$10.00
SMG-Prolactin	(7 DAYS/ 1 WEEK)	84146	\$46.00	SMG-WBC	(48 HRS/ 2 DAYS)	85048	\$6.00
SMG-PSA MC Screen	(120 HRS/ 5 DAYS)	G0103	\$43.00	SMG-ESR (Sed Rate)	(48 HRS/ 2 DAYS)	85652	\$9.00
SMG-PSA	(120 HRS/ 5 DAYS)	84153	\$43.00	MISCELLANEOUS TESTS			
SMG-T3 FREE	(48 HRS/ 2 DAYS)	84481	\$40.00	SMG-Pregnancy Test (HCG) urine	(72 HRS/ 3 DAYS)	81025	\$15.00
SMG-T4 Free	(7 DAYS/ 1 WEEK)	84439	\$21.00	SMG-Pregnancy Test (HCG) serum	(72 HRS/ 3 DAYS)	84703	\$18.00
SMG-Testosterone. Total	(7 DAYS/ 1 WEEK)	84403	\$61.00	SMG-Mono AB	(24 HRS/ 1 DAY)	86308	\$13.00
SMG-TPO (Thyroid Perox. Ab)	(7 DAYS/ 1 WEEK)	86376	\$34.00				

STAT TEST MENU

Call the following courier service to transport STAT specimens:

Knox Courier Service: (865) 680-1432

Instruct the courier to deliver specimens to:

Summit Central Laboratory • 1267 Dick Lonas Road • Knoxville, TN 37909

NOTE: Couriers guarantee local pickup within one hour from time call is placed and delivery one hour from pickup time.

There is a cost associated with this service and it should only be used for STAT testing. Specimens collected after regularly scheduled pickups should be properly stored until the following day for courier pickup if possible. Another option is to send the patient to a local hospital lab if more convenient.

Results will be placed in Athena and will then be automatically sent to the ordering provider to review results in their inbox.

TEST	SPECIMEN
CBC	Lavender top - EDTA
WBC	Lavender top - EDTA
HEMATOCRIT	Lavender top - EDTA
HEMOGLOBIN	Lavender top - EDTA
PLATELET	Lavender top - EDTA
PROTHROMBIN TIME	Blue top - 3.2% Na citrate (plastic tube)
APTT	Blue top - 3.2% Na citrate (plastic tube)
HCG, EQUAL	Gold top - SST
MONONUCLEOSIS TEST	Gold top - SST or Lavender top
BUN	Gold top - SST
BASIC METABOLIC PANEL (BMP)	Gold top - SST
COMPREHENSIVE METABOLIC PANEL (CMP)	Gold top - SST
GLUCOSE	Gold top - SST
CREATININE	Gold top - SST
CALCIUM	Gold top - SST
AMYLASE	Gold top - SST
MAGNESIUM	Gold top - SST
SODIUM	Gold top - SST
POTASSIUM	Gold top - SST
DIGOXIN	Gold top - SST or Red top
DILANTIN	Gold top - SST or Red top

HEPATITIS & HIV TESTING GUIDELINES

HEPATITIS & HIV TEST ORDERS	LAB	WHEN TO ORDER
SMG-Hepatitis Panel Acute - Hep A IgM; Hep B surface Ag; Hep B Core AB IgM; Hep C AB.	Summit	Patient has acute symptoms
SMG-Hepatitis Panel General - Hep A AB total; Hep B surface AB QL; Hep B surface AG; Hep B core AB tot; Hep C AB.	Summit	Test for current/past infection or immunity
SMG-Hepatitis A AB, Total - Hepatitis A, IgG and IgM together. Indicates prior or acute infection or immunization to Hep A virus.	Summit	Test for prior/acute infection or immunization. Test does not differentiate between them
SMG-Hepatitis A AB, Total w/reflex to IgM - Determine current, acute or recent Hep A infection.	Summit	If Hep A total is positive, IgM will be performed to determine if infection is acute or recent. Retest in 2 weeks if borderline
SMG-Hepatitis B Surface AB, QL - Hepatitis B surface Ab, qualitative. Determine exposure to HB antigen or vaccine.	Summit	To determine if patient has antibodies to Hepatitis B due to infection or vaccine
SMG-Hepatitis B Surface AB, QNT Immunity - Hepatitis B surface Ab, quantitative. Determine immune status to HB.	Summit	To determine if Hep B immunity obtained. Per CDC, >= 10 indicates immunity
SMG-Hepatitis B Core AB, Total, w/reflex to IgM - If Hepatitis B core Ab total is reactive, Hepatitis B core Ab IgM will be performed to identify active infections.	Summit	Determine recent or active infections. Reflex to HBcAb IgM determines recent infections
SMG-Hepatitis B Surface Antigen, w/reflex to Quest #498 if borderline - If a borderline result is obtained for HB surface Antigen, the specimen will be sent to Quest for additional testing.	Summit, reflex to Quest	Detectable after 1-6 months following exposure to Hep B and after onset of symptoms. Recent vaccination may give transient pos results that must be confirmed
SMG-Hepatitis C AB (1945-1965) reflex to PCR # 35645 (Quest) - Specimens reactive for HCV Ab will be sent to Quest for confirmatory testing by HCV PCR only. This order is for once per lifetime screen for patients born 1945-1965.	Summit, reflex to Quest	Screening test for "boomers only." Positive HVC will be confirmed at Quest by PCR.
SMG-Hepatitis C Ab reflex to PCR # 35645 (Quest) - Specimens reactive for HCV Ab will be sent to Quest for confirmatory testing by HCV PCR only. For high risk/other screening.	Summit, reflex to Quest	HCV screen for high risk and other screening. If positive, will be confirmed at Quest by PCR
SMG-Hepatitis C Ab reflex to PCR, Genotype, Drug R #93873 (Quest) - Specimens reactive for HCV Ab will be sent to Quest for confirmatory testing by PCR and genotyping.	Summit, reflex to Quest	HCV screen for high risk; Reflexes to PCR, genotype & drug resistance; Order only if you are the treating physician for HCV infection
SMG-HIV 1/2, AG and AB, 4th Gen w/reflex to 91431 (Quest) - The HIV test performed at the Central Lab detects HIV antibodies and P24 (HIV) antigens. A reactive result is reflexed to Quest for HIV 1/2 (4th generation)	Summit, reflex to Quest	HIV general screen, which tests for antigens and antibodies to HIV 1&2. If positive, Quest will perform the HIV 4th gen which is more specific and has a shorter window of detection.

ORDERING LAB TESTS

LAB TESTS ORDERED ON THE WEEKEND

- Laboratory tests should be ordered in Athena Monday through Friday or when the Central Lab is open.
- On weekends Summit tests may be ordered in Athena and specimens stored if stable until Monday or next business day.
- Quest tests may be ordered in Athena only if specimens are stable and stored for transport to Summit's Lab on Monday or next business day.
- Any Quest tests sent directly to Quest on the weekend should NOT be ordered in Athena. A manual Quest requisition must be completed and sent, with specimens, directly to Quest.



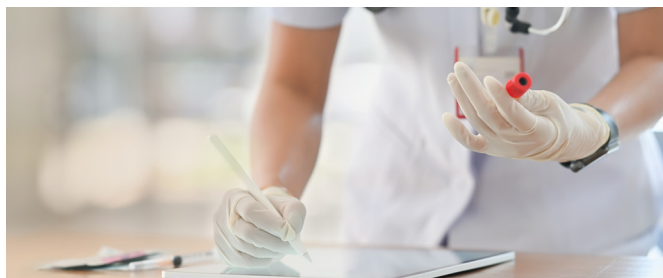
ATHENA

- Laboratory tests should be ordered as instructed by the Athena team. Quest tests, Cordant drug screens, and Summit tests should be ordered in Athena. Quest tests will always have a numerical test number included in the name.
- Lab tests should always be ordered on the encounter for the correct Date of Service. Not doing so can result in the order not transmitting to the lab system and testing may not be performed.
- Do not “Delete” Summit, Quest, or Cordant tests in Athena. This will not remove the order from the Lab System. You must “Cancel” to remove the lab order from both Athena and the Lab System.
- When ordering add-on tests be sure to order on the encounter for the original DOS.
- Place barcoded labels on specimens. Only one barcode may be placed on a single specimen. If a specimen has more than one label drop the extra label in the specimen bag with the labeled specimen. Do not stick labels on the specimen bag!

ABNORMAL LAB VALUE CALL POLICY

Alert values have been defined by the Summit POS and approved by the Board of Directors.

It is the responsibility of the laboratory technician or technologist who reports the test result to make every effort to notify the provider on call or ordering provider as soon as possible.



ALERT VALUES CALLED TO PHYSICIANS

TEST	ALERT VALUE	UNITS
WBC	< 1.5 or > 50	K/uL
NEUTROPHILS (Absolute #)	< 0.5	K/uL
HGB	< 6.0	g/dL
PLT	< 20	K/uL
CALCIUM	< 6.0 or > 13.0	mg/uL
TOTAL CK	> 10,000	IU/L
CREATININE	> 10.0	mg/dL
* GLUCOSE	< 40 or > 500	mg/uL
MAGNESIUM	< 1.0	mg/uL
SODIUM	< 120 or > 160	mmol/L
PHOSPHORUS	< 1.0	mg/uL
POTASSIUM	< 2.5 or > 6.5	mmol/L
DIGOXIN	> 2.5	ng/dL
DILANTIN	> 25	ug/dL
LITHIUM	> 2.0	mmol/L
VALPROIC ACID	> 200	ug/dL
PT INR	> 6	ratio
APTT	> 60	seconds

* Glucose tolerance values are exempt from being called to the physician.

LAB CARD PROGRAMS

Summit does not participate in any Lab Card Program that offers free lab tests if performed at selected labs such as:

Quest Card ■ LabOne Card ■ Any Others



It should be explained to the patient that:

- Summit does not participate in the programs because Summit has available an excellent laboratory which the physicians have confidence in. The Summit Lab was recognized as a lab of excellence by COLA (CLIA inspection and accrediting agency).
- Insurance will pay laboratories not indicated on the Lab Card. The patient will likely have a copay which is waived if the Lab Card is used.

If the patient does not agree to have lab tests performed at the Summit Lab, blood should not be drawn at the Summit office. Insurance will not pay for the venipuncture procedure if the Lab Card is used.

The patient may be sent to a blood drawing station for the laboratory listed on the insurance card. The Summit lab does not know the locations of other blood drawing stations in the area. Please do not call the Summit lab and ask where to send the patient. It is the patient's responsibility to find the blood drawing station on the insurance card.

At the physician's discretion, the patient could be discharged.



'DO NOT CALL' ORDER POLICY

If a physician expects a test result to be consistently elevated or decreased due to a chronic illness, the physician may send an order to Summit Lab to not call that result if it exceeds the alert value limits.

1. The order must be sent to the laboratory manager either by e-mail or fax.
2. The order must include the following:
 - a. *Patient's name*
 - b. *MRN*
 - c. *Name of the assay and limits as to when it should and should not be called. Example: "Do Not Call WBC unless the WBC result is > 80,000 or < 2,000."*
3. "Do Not Call" orders are only accepted from physicians. Mid-level providers may not request a "Do Not Call" order.
4. The order will be valid for one year from the date received.
5. At the end of one year, the provider will be asked to renew, revise, or cancel the order.
6. When a Summit doctor leaves the services of Summit Medical Group, the DNC order will become invalid on the last day of employment.

SUMMIT EXPRESS CLINICS

Summit Express Clinics provide the highest quality and most convenient care for patients ages 2 and older with four locations open 7 days a week.

Common Ailments Treated at the Express Clinics:

Cold/Flu	Earaches	Allergies
Skin Rashes	Sore Throat	Stitches
Sprains & Fractures	Nausea & Vomiting	Urinary Problems

We also provide the following immunizations for both children & adults:

— COVID-19 —

Flu	Hepatitis	Pneumonia	Shingles	MMR
DTP/Tdap	HPV	Meningitis	Polio	Varicella

Open daily from 8am - 8pm, our four Knoxville-area Summit Express Clinics provide the highest quality and most convenient care for patients two years of age and older. Individuals do not have to be a Summit medical Group patient to visit a Summit Express Clinic.



Summit Express Clinic at Bearden Hill

6537 Kingston Pike
Knoxville, TN 37919
865-558-9822



Summit Express Clinic at Farragut

10820 Kingston Pike, Suite 11
Knoxville, TN 37934
865-671-6720



Summit Express Clinic at Fountain City

103 Midlake Drive
Knoxville, TN 37918
865-687-7704



Summit Express Clinic at Powell

7545 Barnett Way
Powell, TN 37849
865-824-1524

**NOW OFFERING CT &
ULTRASOUND SERVICES**

www.summitmedical.com/services/express

PHYSICAL THERAPY



Summit Medical Group continues its commitment to total quality health care by providing Physical Therapy Services. Physical therapy is an important part of complete recovery from injury and illness.

At Summit Medical Group, our physical therapists work with patients and physicians to develop a personalized treatment and prevention plan to achieve the most effective, rapid relief of symptoms.

Summit Physical Therapy Centers provide treatment for:

Vertigo / Balance Disorders

Headaches

Sciatica

Carpal Tunnel

Arthritis

Joint Pain / Stiffness

Knee Pain

Foot & Ankle Pain

Radiculopathy

Nerve Impingement

Back Pain

Shoulder Pain

Muscle Weakness

Sprains / Strains

Shin Splints

Tennis Elbow

Tendonitis

Bursitis

Plantar Fasciitis

Gait Disorders

Poor Posture



Summit Physical Therapy at Cedar Bluff

9333 Park West Blvd
Suite 102
Knoxville, TN 37923
865-470-2696



Summit Physical Therapy at Farragut

11808 Kingston Pike
Suite 160
Knoxville, TN 37934
865-470-2696



Summit Physical Therapy at Fountain City

103 Midlake Drive
Lower Level
Knoxville, TN 37918
865-470-2696



Summit Physical Therapy at Powell

713 East Emory Road
Suite 101
Knoxville, TN 37938
865-470-2696



Summit Physical Therapy at Greeneville

1404 Tusculum Blvd
MOB 3, Suite 3200
Greeneville, TN 37745
865-470-2696



Summit Physical Therapy at Oak Ridge

801 Oak Ridge Turnpike
Oak Ridge, TN 37830
865-470-2696



Summit Physical Therapy at Tellico

202 Dohi Drive
Loudon, TN 37774
865-470-2696



Physical Therapy Jefferson

380 West Broadway Blvd
Jefferson City, TN 37760
865-470-2696

www.summitmedical.com/services/physicaltherapy

SLEEP SERVICES

Summit Sleep Services is a nationally accredited, full-service sleep center specializing in the diagnosis and treatment of most sleep disorders.

Sleep Services include consultation, at-home and in-office overnight sleep studies, and continuous positive airway pressure (CPAP) equipment.

Conditions diagnosed & treated by Sleep Services include:

SLEEP APNEA

A disorder that causes you to stop breathing during sleep

RESTLESS LEG SYNDROME

A disorder that creates an overwhelming urge to move your legs

INSOMNIA

The inability to fall asleep or stay asleep

NARCOLEPSY

A disorder that makes you feel uncontrollably tired or, in extreme cases, have uncontrollable sleep attacks

SUMMIT SLEEP SERVICES

1267 Dick Lonas Road, Second Floor

Knoxville, TN 37909

(865) 909-0744



TREATMENT PLANS

Treatment of sleep problems begins with a complete assessment and must entail an accurate diagnosis. Much more goes in to a diagnosis and subsequent treatment plan than just how many hours a night a patient is (or isn't) sleeping.

The skilled physicians, nurse practitioners, and support staff at Summit Sleep Services go to great lengths to ensure that all aspects of health, routines, and activities are properly taken into account in order to ensure patients receive an accurate diagnosis and the best treatment plan possible.

Follow-up appointments are always conducted in our sleep services clinic, usually with a skilled nurse practitioner. These follow-up appointments will continue until a resolution of the sleep problem is seen and then on an annual or as-needed basis thereafter.

ALOK SACHDEVA, M.D.

Summit Sleep Physician

