

Arteriogram (Angiogram)

Preparation Instructions

You have been scheduled for an Arteriogram (Angiogram).

This patient package contains the following:

- Information and preparation instructions for the procedure
- A map with directions to the Center
- Forms to fill out **before** your arrival:
 - Information/Details about your Condition
 - Patient Consultation Information (4 pages)
 - Discharge Instructions

Please bring these forms with you to the procedure.

- **Expect to be at the office 3-4 hours.**
- **Arrange for someone to drive you home after the procedure.**

Premier Radiology Briarville

1210 Briarville Road • Suite 602F • Madison, TN 37115

Hours: 7:30 AM - 5:00 PM

Office: 615-986-6411

Fax: 615-234-1506

Premier
Radiology
BRIARVILLE



Revised 3.5.2017

www.PremierRadiology.com

Open MRI ■ MRI ■ CT ■ X-Ray ■ Ultrasound ■ Women's Services ■ Pain Services ■ Nuclear Medicine ■ Interventional Radiology

Arteriogram Overview

An arteriogram, or angiogram, is a series of X-ray pictures of the arteries taken after an injection of "contrast" material (X-ray dye) into an artery, making these blood vessels visible to the X-ray camera. All parts of the vascular system can be studied by angiography including arteries to the arms and legs, kidneys, liver, abdominal organs and neck. After contrast is injected into an artery, an Interventional Radiologist can look for any unusual narrowings, blockages, aneurysms (ballooning) or other abnormalities in the blood vessels. The angiogram provides a "road map" of your vascular system which helps in the diagnosis and treatment of your medical condition. In most situations, treatment procedures, such as angioplasty (balloon), stenting or atherectomy (roto-rooter treatment) occur after the angiogram is performed while you are still sedated.

HOW SHOULD I PREPARE FOR THE PROCEDURE?

- **Arrange for someone to drive you home after the procedure.** You will be told to avoid driving for 24 hours as the narcotics that you receive will have to wear off.
- **Discontinue** any of the following medications for **3 days** prior to your procedure: **Plavix, Pletal, Ticlid, Trental, Coumadin, Warfarin, Brilinta, Xarelto or Pradaxa. Discontinue Effient for 7 days** prior to your procedure. **Patients who have had a drug eluting cardiac stent within the past year should NOT stop Plavix or Effient.**
- **Discontinue** any of the following medicines **24 Hours** prior to your procedure: **Lovenox, Fragmin, Normiflo, Orgaran, Innohep, Arixtra, Eliquis, or Iprivask.**
- All other medications are okay to take the day of the procedure. Take all your medications with small sips of water, unless told otherwise. It is very important to take blood pressure medications the morning of your examination. You will be told to stop taking blood thinners. This is important to prevent bleeding problems after your exam. Please bring all your medications with you to your appointment (not just a list). **DO NOT HOLD heart or blood pressure medications.**
- If you are on insulin, take ½ of your dose the morning of the procedure. Do not take any oral diabetic medication the morning of the procedure.
- Do not eat solid foods for **6 hours** prior to your procedure. You may drink clear liquids until **2 hours** before the procedure (no milk or creamer, no juice with pulp).
- If you have had imaging done prior to your arteriogram, please bring a copy with you.
- On the morning of your arteriogram please come to Briarville Premier Radiology office **30 minutes** before your appointment time. We open at 7:30 AM. (see attached map for directions).
- Inform the nurse and the Radiologist of any allergies you have.
- Please fill out and bring the documents and questionnaire about your current health status, including current problems, allergies, medications, surgeries, etc.
- Nursing/technical staff will review your information that was completed and ask other questions. An IV will be started for IV sedation.
- The Interventional Radiologist will examine you and discuss the scheduled procedure. After questions are answered, we will have you sign a consent form. If you have any questions about the procedure before you arrive, you may call our office at **615-986-6411**. You will receive a reminder call the evening before the examination.

Premier
Radiology
BRIARVILLE



Revised 3.5.2017

www.PremierRadiology.com

Open MRI ■ MRI ■ CT ■ X-Ray ■ Ultrasound ■ Women's Services ■ Pain Services ■ Nuclear Medicine ■ Interventional Radiology

Preparation for Arteriogram

An arteriogram is an imaging test that uses X-rays and a special dye to see inside the arteries. It can be used to view arteries in the brain, kidney, legs and other parts of the body.

HOW SHOULD I PREPARE FOR THE PROCEDURE?

1. **Arrange for someone to drive you home after the procedure.**
2. **Discontinue** any of the following medications for **3 days** prior to your procedure: **Plavix, Pletal, Ticlid, Trental, Coumadin, Warfarin, Brilinta, Xarelto** or **Pradaxa**. **Discontinue Effient for 7 days** prior to your procedure. **Patients who have had a drug eluting cardiac stent within the past year should NOT stop Plavix or Effient.**
3. **Discontinue** any of the following medicines **24 Hours** prior to your procedure: **Lovenox, Fragmin, Normiflo, Orgaran, Innohep, Arixtra, Eliquis, or Iprivask.**
4. All other medications are okay to take the day of the procedure.
5. If you are on insulin, take ½ of your dose the morning of the procedure. Do not take any oral diabetic medication the morning of the procedure.
6. Do not eat solid foods for **6 hours** prior to your procedure. You may drink clear liquids until **2 hours** before the procedure (no milk or creamer, no juice with pulp).

HOW IS AN ARTERIOGRAM PERFORMED?

A physician will explain the procedure and potential complications. Prior to inserting the catheter you will be sedated through an IV, your skin is cleansed with antiseptic soap and numbed with a local anesthetic. Contrast dye is injected through the catheter (a thin, flexible tube) that is threaded into the desired artery from an artery in the groin or in the arm. The dye makes blood vessels visible on X-ray, and the resulting images are used to diagnose vascular conditions.

WHAT SHOULD I DO AFTER THE ARTERIOGRAM?

1. Drink plenty of clear (nonalcoholic) liquids - at least 8 oz every hour.
2. Resume your usual diet and any medications you routinely take (*unless instructed not to do so by your doctor*).
3. For the next 12 hours, attempt to keep the leg in which the catheter was placed as straight as possible.
4. No driving, operating heavy machinery, or making any legal decisions for 24 hours following the procedure.
5. For several days after the procedure, avoid strenuous activities including vigorous exercise, lifting objects heavier than 10 pounds or excessive bending at the waist.

CONTACT OUR OFFICE AT 615-986-6411 FOR THE FOLLOWING SYMPTOMS:

1. If you notice swelling in your groin, apply direct pressure with your fingertips and call us immediately. This may be a sign that bleeding has started from the artery or vein.
2. If you develop a fever above 101°, or any redness or drainage at the catheter site, an infection could be developing. Seek medical attention immediately.
3. If the leg in which the catheter was placed becomes cool, cold, numb or painful, call us immediately at **615-986-6411**, or the **on-call service** at **866-236-3572**. An Interventional Radiologist will be notified and will respond to your problem. An Interventional Radiologist will be notified and will respond to your problem.

Premier
Radiology
BRIARVILLE



Revised 3.5.2017

www.PremierRadiology.com

Open MRI ■ MRI ■ CT ■ X-Ray ■ Ultrasound ■ Women's Services ■ Pain Services ■ Nuclear Medicine ■ Interventional Radiology

What Will Happen the Day of the Procedure

HOW IS AN ARTERIOGRAM PERFORMED?

Once you arrive at our office, you will be checked in at the reception desk. Paperwork will be verified and you will be escorted to a staging area. Our staff will ask several other questions. The Interventional Radiologist will explain the scheduled procedure, answer questions and perform a consultation. You will receive some oral sedation and an intravenous (IV) line will be placed in your arm. This allows us to give fluids and medications to you during the procedure. Once in the angiography room, your groin area will be shaved and cleaned with a sterile solution which helps to prevent infection. Monitoring devices will be placed on your chest and arms to evaluate your vital signs. You will then be covered by sterile towels and drapes. A local anesthetic will be injected to numb the skin site. A thin catheter (tube) will then be placed into the artery through your groin and directed with X-ray guidance to the area of the body which must be studied. As the contrast material is injected, you may feel a sensation of warmth in the area being examined. This feeling should pass quickly. You may be asked to hold your breath for short periods of time. Several injections may be necessary to complete the exam. During the procedure, the Interventional Radiologist will evaluate the images and make determinations for treatment. If appropriate for your condition, intervention will occur at that time.

HOW LONG WILL THE PROCEDURE AND RECOVERY TAKE?

The entire angiography procedure takes approximately 1-1/2 hours, sometimes slightly longer if complex treatment is necessary. After the exam is completed, the catheter will be removed and the Interventional Radiologist will seal the entry site with a closure device or stitch. Direct manual pressure is also applied for 5-10 minutes. This will help to prevent bruising and bleeding and allow the entry site to heal. Typically you will be on bed rest for one hour with your leg straight. Your pulse, blood pressure and entry site will be checked frequently during this period. You will be able to eat and drink. During recovery, your exam and results will be discussed with you and your family.

WHEN WILL I KNOW THE RESULTS?

During the recovery period, the Interventional Radiologist will prepare some key images for you to take with you at discharge. The exam and images will be reviewed with you and your family. If prescriptions are needed, typically blood thinners, this will be given to you during this time. Reports will be generated and sent to your referral doctor and primary care doctor. They will receive a copy of the consult as well as the exam and treatment reports. Follow up recommendations will be made at this time.

OUTPATIENT DISCHARGE INSTRUCTIONS

- Drink plenty of clear (nonalcoholic) liquids such as water, juice or soda once you have returned home - at least 8 oz. every hour. You may begin your usual diet when you leave the Center.
- Resume your usual diet and any medications you routinely take (*unless instructed not to do so by your doctor*).
- For the next 12 hours, attempt to keep the leg in which the catheter was placed as straight as possible.
- No driving, operating heavy machinery, or making any legal decisions for 24 hours following the procedure.
- For several days after the procedure, avoid strenuous activities including vigorous exercise, housework, yard work, lifting objects heavier than 10 pounds or excessive bending at the waist.
- Do not take a tub bath until the groin site looks closed. This may be several days. You may shower.
- Please expect the Interventional Radiologist to call you the evening of the procedure to check on your status. A second follow-up call from the office will occur in several days following the procedure.

Premier
Radiology
BRIARVILLE



Revised 3.5.2017

www.PremierRadiology.com

Open MRI ■ MRI ■ CT ■ X-Ray ■ Ultrasound ■ Women's Services ■ Pain Services ■ Nuclear Medicine ■ Interventional Radiology

Post-Arteriogram Instructions

Activity:

1. For the next 12 hours, attempt to keep the leg in which the catheter was placed as straight as possible. This will help minimize your risk of bleeding (hematoma).
2. Go home and rest quietly for the remainder of the day. Do not drive, operate heavy machinery, or make any legal decisions for 24 hours.
3. The day after the arteriogram, avoid strenuous activities including vigorous exercise, lifting objects heavier than 10 pounds or excessive bending at the waist. This will help minimize your risk of bleeding (hematoma).

Diet/Medications:

1. You may resume your normal diet after the procedure.
2. Drink extra nonalcoholic fluids today (6-8 glasses). This will encourage the elimination of the contrast (dye).
3. You may restart all your medications (unless instructed not to do so by your doctor).

Wound Care:

1. Your arteriogram site should be kept clean and dry. Do not bathe in a tub for 48 hours. Showers are acceptable.
2. The dressing on your groin may be removed in the morning. Remove dressing while in the shower, replace with a band-aid for about 5 days.
3. Change the band-aid when it becomes soiled or wet.

Common Side Effects:

You can expect some discomfort for several days after your procedure. Take your usual pain medications prescribed by your doctor as needed.

Contact our office at 615-986-6411 for the following symptoms:

1. Bleeding or swelling at the entry site. If you notice swelling in your groin, apply direct pressure with your fingertips and call us immediately at **615-986-6411**. This may be a sign that bleeding has started from the artery or vein.
2. If you develop a fever above 101°, or any redness or drainage at the catheter site, an infection could be developing. Seek medical attention immediately.
3. Any change in color or temperature of the leg. (A small bruise may be a normal occurrence.) If the leg in which the catheter was placed becomes cool, cold, numb or painful, call us immediately at **615-986-6411** or the on-call service at **866-236-3572**. An Interventional Radiologist will be notified and will respond to your problem.

General Information:

1. You may have had a vascular closure device placed at the catheter site at the end of your procedure. Please refer to the information provided for specific details.
2. Call your referring doctor for a follow-up appointment. Results of your arteriogram will be sent directly to your referring doctor.
3. For any questions regarding your examination or problems you notice after leaving, please call Premier Radiology Briarville at 615-986-6411.

Thank you for allowing us to participate in your healthcare needs.

These discharge instructions have been explained to the patient. The patient or the person responsible for the patient fully understands these instructions.

Patient's Signature: _____ Date: _____ Time: _____

Signature of person giving instructions: _____

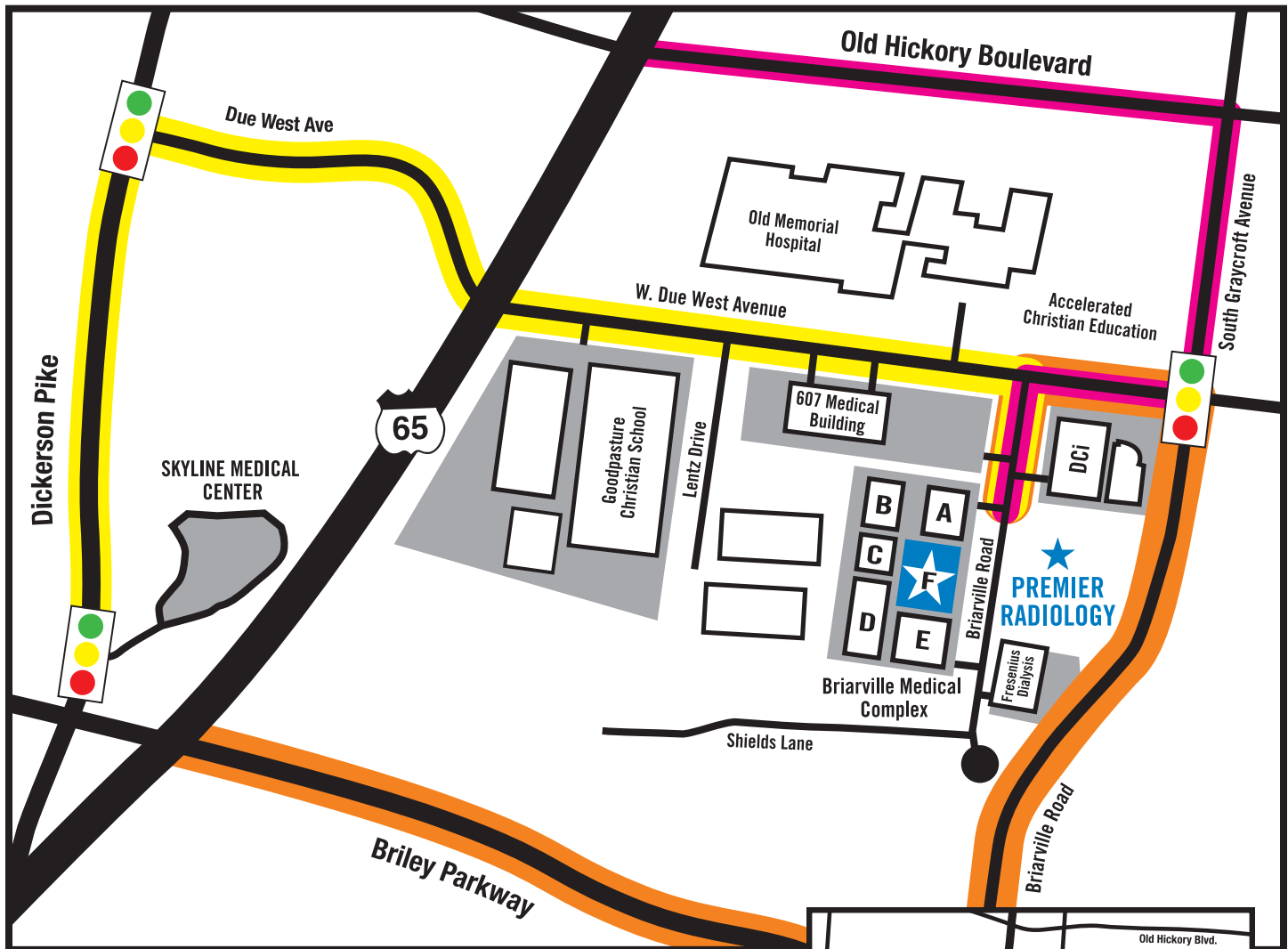
Premier
Radiology
BRIARVILLE



Revised 3.5.2017

www.PremierRadiology.com

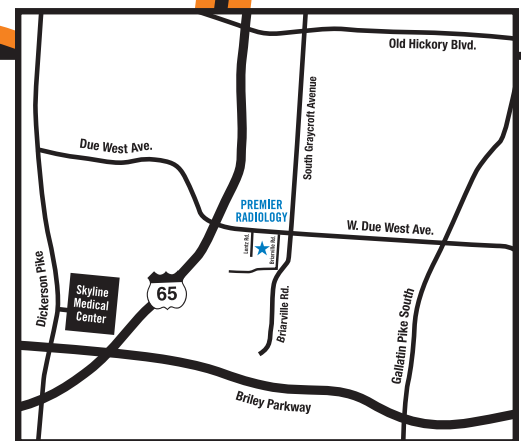
Open MRI ■ MRI ■ CT ■ X-Ray ■ Ultrasound ■ Women's Services ■ Pain Services ■ Nuclear Medicine ■ Interventional Radiology



FROM SKYLINE MEDICAL CENTER: Exit the center by turning right onto Dickerson Pike at the traffic light. Follow Dickerson Pike to Due West Avenue (.9 miles). Turn right at the traffic light onto Due West Avenue. Travel 1.5 miles to Briarville Road. (Once you cross over I-65, it will be the 2nd road on the right). Turn right onto Briarville Road. Turn right at the 4th driveway into the Briarville Medical Complex. Premier Radiology is in Building F with a blue awning over the door.

FROM I-65 NORTH FROM NASHVILLE: On I-65 North take Briley Parkway (TN-155) East toward Opryland. Continue .4 miles and take exit 15A Briarville Road. Drive .8 miles to the intersection of W. Due West Avenue and South Graycroft Avenue. Turn left at the traffic light. In 325 feet take the first left onto Briarville Road. (This is between the DCi building and the 607 Due West Medical Building). Turn right at the 4th driveway into the Briarville Medical Complex. Premier Radiology is in Building F with a blue awning over the door.

FROM I-65 SOUTH FROM HENDERSONVILLE: On I-65 South take exit 92 Old Hickory Boulevard toward Madison. Turn left at the traffic light at the top of the ramp. Drive .4 miles to the traffic light at South Graycroft Avenue. Turn right onto South Graycroft Avenue. Continue straight for 1.1 miles to the intersection of South Graycroft Avenue and W. Due West Avenue. Turn right at the traffic light onto W. Due West Avenue. In 325 feet, turn left onto Briarville Road. (This is between the DCi building and the 607 Due West Medical Building). Turn right at the 4th driveway into the Briarville Medical Complex. Premier Radiology is in Building F with a blue awning over the door.



Premier Radiology Briarville: 1210 Briarville Road • Suite 602F • Madison, TN 37115
Hours: 7:30 AM - 5:00 PM • Office: 615-986-6411 • Fax: 615-234-1506

Revised 3.5.2017

Information/Details about your Condition

Peripheral Vascular Disease | AAPRO

Where do you have pain? _____

Describe how it feels (sharp, knife-like, cramping, burning, aching, dull): _____

Where do you have numbness, tingling or coolness? _____

When did this start - suddenly or gradually? _____ Duration _____ days, weeks, months, years.

Is it always present, or does it come and go? _____

How much pain do you have at rest? 1 2 3 4 5 6 7 8 9 10 (*circle*) _____

What makes your pain the worst? _____

How much pain do you have at the worst? 1 2 3 4 5 6 7 8 9 10 (*circle*) _____

What makes the pain better (rest, movement, medicine)? _____

Do you take pain medications for this? _____

Do you take any blood thinners? _____

Describe any wounds or discoloration on your feet or legs: _____

List any previous vascular surgery: _____

List any previous imaging studies: _____

Premier
Radiology
BRIARVILLE



Revised 3.5.2017

www.PremierRadiology.com

Open MRI ■ MRI ■ CT ■ X-Ray ■ Ultrasound ■ Women's Services ■ Pain Services ■ Nuclear Medicine ■ Interventional Radiology

Patient Consultation Information

Date: _____

Name: _____ Date of Birth: _____ Age: _____ Sex Male Female

Referring MD: _____ Primary Care MD: _____

Phone contact information: Cell: _____ Home: _____

Describe why you are here today or what is your current problem?

Tell us more about your current problem: _____

ALLERGIES (please list medicine allergies): Latex allergy? YES NO Nickel allergy? YES NO

Have you, or has anyone in your family, ever had a reaction to sedation or anesthesia? YES NO

If yes, describe: _____

CURRENT MEDICATIONS (BRING ALL MEDICATIONS and list current medications and dosages below):

Date of last flu vaccine: _____ Date of last pneumococcal vaccine: _____

SOCIAL HISTORY (things about you that will help us understand your medical problem): **PLEASE CHECK**

Smoking: YES NO If yes, please describe how long/how much: _____

If you have quit smoking, when: _____

Alcohol: YES NO If you have quit, when: _____

Recreational drugs: YES NO In the past: _____

Caffeine cups per day: Please give amount: _____

Marital status: (check one) Single Married Widowed. Do you live alone? YES NO

Occupation: _____

Premier
Radiology
BRIARVILLE



Revised 3.5.2017

www.PremierRadiology.com

Open MRI ■ MRI ■ CT ■ X-Ray ■ Ultrasound ■ Women's Services ■ Pain Services ■ Nuclear Medicine ■ Interventional Radiology

PRIOR IMAGING: Have you had recent imaging exams (ultrasound, CT, MRI)?

Please list type and location: _____

PAST MEDICAL HISTORY (Medical care or problems):

Heart attack or rhythm problems	YES	NO
Pacemaker	YES	NO
Diabetes - treated with pills	YES	NO
Diabetes - treated with insulin	YES	NO
High blood pressure	YES	NO
Bleeding disorders	YES	NO
Stroke	YES	NO
Stomach or colon problems	YES	NO
Lung disease (cancer or emphysema)	YES	NO
Kidney disease	YES	NO
Mental/emotional disorder	YES	NO
Liver/jaundice/hepatitis	YES	NO
Vascular problems	YES	NO
Cancer	YES	NO
Musculoskeletal	YES	NO
Endocrine/Thyroid	YES	NO
Sleep Apnea	YES	NO
Other:		

REVIEW OF SYSTEMS (Past or current medical issues): *Please circle*

General:	Weight loss or gain	Fever	Chills
Neurological:	Headache	Confusion	Speech changes
Psychological:	Anxiety	Depression	
Skin:	Rash	Edema (swelling)	Bruising
Ears, Nose, Throat:	Hearing loss	Visual changes	Visual loss
Heart & Vessels:	Chest pain	Irregular heart beat	Leg edema (swelling)
Lungs & Breathing:	Problems at rest	Problem with exercise	Problem with lying flat
Stomach & Bowels:	Vomiting or nausea	Diarrhea or constipation	Blood in stool
Kidneys & Bladder:	Frequent urination	Painful urination	Bloody urine
Muscles & Bones:	Leg pain with movement-R or L	Leg pain with rest-R or L	Arthritis
Other:			
Other:			

FAMILY HISTORY: (Please list all known major family medical history).

Problem	Father	Mother	Brother or Sister	Describe
Heart Disease				
Stroke				
Abdominal Aneurysm				
High Blood Pressure				
Cancer <i>(location under other)</i>				
Other:				
Other:				
Deceased or Alive? Age?				

PAST SURGICAL HISTORY: (Please list prior surgeries with approximate dates).

	YES	NO	Dates
Heart surgery	YES	NO	
Back surgery	YES	NO	
Knee or hip surgery	YES	NO	
Aortic surgery (aneurysm treatment)	YES	NO	
Leg bypass surgery for artery disease	YES	NO	
Carotid artery surgery (neck artery)	YES	NO	
Aneurysm treatment with coils inside of head	YES	NO	
Gallbladder or colon	YES	NO	
Uterus and/or ovaries	YES	NO	
Other:			
Other:			
Other:			

How did you learn about Premier Radiology Briarville?

NURSING ASSESSMENT (to be completed by your nurse):

Vitals:

T: _____ P: _____ R: _____ BP(R): _____ BP(L): _____

Oxygen Sat%: _____ on room air. Oxygen Sat% _____ on: _____ LPM

Weight: _____ Height: _____ BMI: _____

Labs: Cr/GFR: _____ / _____ PT/INR: _____ / _____ Blood Glucose: _____

Mental Status: Alert Oriented Confused **Deficits:** Visual Hearing Speech

Airway: Normal Limited neck movement Dentures Carotid Bruit: R L

Lungs: Clear Rales Rhonchi Wheezes

Heart: Regular Murmur

Abdomen: Bowel Sounds Yes No Masses Yes No Bruit Yes No

Leg strength: Normal Weak _____

Arm strength: Normal Weak _____

Patellar Reflexes: _____

Pain with straight leg raises?: Yes No _____

Pre-procedure Pulses:

Right	Femoral	PT	DP	Radial
Value: +3 to doppler				
Left	Femoral	PT	DP	Radial
Value: +3 to doppler				

Women: Date of last menstrual period: _____ Pregnancy possibility? Yes No

Confirm cessation of blood thinners or antiplatelet agents: Yes No _____

Driver available for transportation: Yes No _____

Completed by: _____ Date: _____

Notes: _____

ASA PHYSICAL STATUS CLASSIFICATION SYSTEM

- 1. Healthy person.
- 2. Mild systemic disease.
- 3. Severe systemic disease.
- 4. Severe systemic disease that is a constant threat to life.
- 5. A moribund person who is not expected to survive without the operation.
- 6. A declared brain-dead person whose organs are being removed for donor purposes.

MALLAMPATI SCORE: I II III IV

- BMI CATEGORIES:**
Underweight = < 18.5
Normal weight = 18.5 - 24.9
Overweight = 25-29.9
Obesity = BMI of 30 or greater