

Bone Densitometry (DEXA)

Bone Densitometry

Breast Health (Mammography)

Galactogram (Ductogram)	Mammogram	Stereotactic Breast Biopsy

Computed Tomography (CT)

CT Abdomen, Pelvis, Chest	CT Guided Fluid Collection Drainage	CT Angiogram (CTA)
CT Guided Biopsy	Cardiac Calcium Scoring	Coronary CT Angiogram (CCTA)
CT Chest (Thorax) with Contrast	CT Extremity	CT Head with Contrast
CT Head without Contrast	CT Urogram	Lung Biopsy CT guided
CT Neck Soft Tissue	CT Pelvis	CT Spine without Contrast
	Stereotactic Localization/Stealth	

MRI/MRA/MRV

MRI Abdomen	MRI Chest	MRI Pelvis
MRI Brain	MRI Breast	MRI Cholangiogram
MRI Extremity	MRI Signature Protocol	MRI Arthrogram
MRI Brachial Plexus	MRI MRCP	MRI Neck Face Orbit
MRI Lumbar Sacral Coccyx	MRI Spine Cerv, Thor, Lumbar	MRA Peripheral Lower Extremity
MRA Peripheral Upper Extremity	MRA Brain	MRA Neck
MRV Abdomen	MRV Brain	MRV Pelvis
MR Enterography		MRI Guided Breast Biopsy

Nuclear Medicine/PET

Nuclear Medicine All	PET/CT All	
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Ultrasound

US Abdomen	US Abdomen Pelvis Combo	US Abd Doppler Hep Veins Portal
US Liver Biopsy	US Kidney Biopsy	US Paracentesis
Thyroid Biopsy	US Thoracentesis	US Guided Breast Biopsy
US Pelvic/Renal Bladder Combo	US Pelvic (Transvaginal Only)	

X-Ray/Fluoroscopy

XR Arthrogram	Barium Enema	Barium Enema - Pediatric
	Upper GI/Esophogram Combo	Lumbar Puncture/Cisternogram
Cystogram	Esophagram	
Esophagram Upper GI Combo	Fluoro Guided Injection	GI Tube Introduction
Hysterosalpingogram	Fluoro Guided Injection Ref Dr	XR IVP
XR IVP Pediatric	Lumbar Puncture	LP Methatrexate Chemo
XR LP/ Intrathecal Injection		Myelogram
Skeletal Bone Survey Mets	Small Bowel	XR TMJ
T-Tube Cholangiogram	Upper GI	Upper GI and Small Bowel
Venogram Lower Extremity	Loopogram	Video Swallow

Bone Densitometry (DEXA)

DAY OF APPOINTMENT:

- Wear comfortable clothing with no zipper, snaps or metal buttons.
- Do not take calcium supplements on day of appointment. You may continue to take Fosamax.

ARRIVAL:

- Cheboygan: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.
- Petoskey:
 - Enter through the McLaren Main Entrance.
 - Check in at one of the kiosks and then take M elevator to Concourse Level.
 - On Concourse Level, wait in the Hospital Registration area until called to a registration window.
 - After completing registration, go down the ramp and turn left. Turn left again at the T in the hallway.
 - Turn right at the end of the hall. There is a colored red block on the floor outside of the waiting room for Bone Densitometry.

NEED TO CANCEL OR RESCHEDULE? Please call the Central Scheduling Department toll free at 866-487-3100

PREGNANT: If you are or could be pregnant, please notify your physician. There is a chance that the exam may need to be rescheduled.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Mammography Galactogram (Ductogram)

PRIOR TO YOUR APPOINTMENT: If you have had mammograms done at another facility, please forward your records/films to:

McLaren Northern Michigan
Film Library
416 Connable Avenue
Petoskey, MI 49770

DAY OF APPOINTMENT: Please do not use deodorant, lotions, perfumes, or powders. You must be able to produce a discharge.

ARRIVAL:

Petoskey: Enter through the McLaren Main Entrance.

- Check in at one of the kiosks and then take M elevator to Concourse Level.
- On Concourse Level, wait in the Hospital Registration area until called to a registration window.
- After completing registration, go down the ramp and turn left. Turn left again at the T in the hallway.
- Turn right at the end of the hall. There is a colored red block on the floor outside of the waiting room for Mammography.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

PREGNANT: If you are or could be pregnant, please notify your physician. There is a chance that the exam may need to be rescheduled.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Mammogram

PRIOR TO YOUR APPOINTMENT: If you have had mammograms done at another facility, please forward your records/films to:

McLaren Northern Michigan
Film Library
416 Connable Avenue
Petoskey, MI 49770

DAY OF APPOINTMENT:

Please do not use deodorant, lotions, perfumes, or powders.

ARRIVAL:

Cheboygan Campus

- Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus

- Enter through the McLaren Main Entrance.
- Check in at one of the kiosks and then take M elevator to Concourse Level.
- On Concourse Level, wait in the Hospital Registration area until called to a registration window.
- After completing registration, go down the ramp and turn left. Turn left again at the T in the hallway.
- Turn right at the end of the hall. There is a colored red block on the floor outside of the waiting room for Mammography.

Pregnant: If you are or could be pregnant, please notify your physician. There is a chance that the exam may need to be rescheduled.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Stereotactic Breast Biopsy

Instructions: If you are scheduled for a Stereotactic Biopsy you may have a light lunch prior to your appointment.

Medications to Hold: None. If on Coumadin or Warfarin, INR must be ≤ 3 .

Prior to Your Appointment: If you have had mammograms done at another facility, please forward your records/films to:

McLaren Northern Michigan
Film Library
416 Connable Avenue
Petoskey, MI 49770

The Day of Your Appointment: Please do not use deodorant, lotions, perfumes, or powders.

Arrival at the Hospital:

- Enter through the McLaren Main Entrance.
- Check in at one of the kiosks and then take M elevator to Concourse Level.
- On Concourse Level, wait in the Hospital Registration area until called to a registration window.
- After completing registration, go down the ramp and turn left. Turn left again at the T in the hallway.
- Turn right at the end of the hall. There is a colored red block on the floor outside of the waiting room for Mammography.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

Pregnant: If you are or could be pregnant, please notify your physician. There is a chance that the exam may need to be rescheduled.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

CT Abdomen, Pelvis, Chest

PREP: Do not eat or drink anything 4 hours prior to your scheduled appointment time.

DAY OF EXAM: You will need to arrive 1 hour and 15 minutes early to start drinking the oral contrast for this exam. (*see alternative arrival times below)

ALTERNATIVE ARRIVAL TIMES:

- * Patients being scanned for KIDNEY STONES will not be given oral contrast. Please arrive 30 minutes prior to your exam time.
- * Pre-op Vascular (CTA) and AAA patients and will not be given Oral Contrast. Please 30 minutes before your test time.

ARRIVAL LOCATION:

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Enter through the McLaren Main Entrance. Check in at one of the kiosks and then take M elevator to Concourse Level. On Concourse Level, wait in the Hospital Registration area until called to a registration window. After completing registration, go down the ramp and turn left. Turn left again at the T in the hallway. Turn right at the end of the hall. There is a colored yellow block on the floor outside of the hallway leading to the waiting room for CT. Wait in waiting room until staff comes to get you.

PRECAUTIONS/CONTRAINDICATIONS:

- **PREGNANCY:** If there is any chance of pregnancy, please notify your physician. There is a chance that the exam may need to be rescheduled.
- **POOR RENAL (KIDNEY) FUNCTION:** Lab tests may be required.
- **ALLERGY:** If you have an allergic reaction to IODINE or IV CONTRAST contact your physician. You will need to be pre-medicated before having this exam.
- **DIABETIC PATIENTS:** If you are taking glucophage, glucovance, metaglip, metformin, actosplusmet, or avandamet do not take day of procedure or for 2 days after procedure.
- **BREAST FEEDING:** Patients that are breast feeding will not be allowed to do so for 48 hours after this procedure if you are given contrast material. It will take 48 hours for the contrast material to leave your body.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

CT Guided Fluid Collection Drainage

Previous Imaging Exams: If you have images that were performed at another facility that pertain to the scheduled procedure, they should be sent to McLaren Northern Michigan Imaging Department to be viewed by a Radiologist prior to your procedure. Contact the McLaren Northern Michigan Film Library at (231) 487-4182 regarding images.

Notify the Radiology Nurse at (231) 487-7326:

- If you have any questions prior to your procedure
- If you are pregnant or nursing
- If you are unable to comply with the CT Guided Biopsy prep instructions

PREP INSTRUCTIONS Procedural sedation is planned.

- Nothing to eat for 6 hours prior to your procedure.
- Nothing to drink for 4 hours prior to your procedure
- You may have sips of water with meds
- You must have a driver to take you home
- Shower with antibacterial soap prior to your procedure

LABS You will need to have a PT/INR, CBC, and CMP drawn within 2 weeks of your scheduled biopsy. If these labs are not done, we will draw your labs when we start your IV for the procedure.

MEDICATIONS

WATER PILLS: Do not take Lasix/furosemide or Bumex/bumetidine on the morning of your procedure.

DIABETICS: Instructions will be given during your nursing pre-call by surgical admissions.

BLOOD THINNERS (ANTICOAGULANTS/ANTIPLATELETS)

Blood thinners need to be discussed with your doctor or provider prior to stopping.

Refer to American journal of radiology. Link: ajronline.org/doi/pdf/10.2214/AJR.14.13342

TABLE I: Nonvascular Percutaneous Procedures and Risk of Bleeding

Low Risk	Moderate Risk	High Risk
Thoracentesis	Intraabdominal (excluding liver and spleen) and retroperitoneal (excluding renal) biopsy or drainage, lung, chest wall, or retroperitoneal biopsy or drainage	Renal, hepatic, or splenic parenchymal biopsy
Paracentesis	Percutaneous cholecystostomy tube (original placement and exchanges)	Biliary intervention (new tract)
Superficial aspiration or drainage (excluding intrathoracic or intraabdominal sites)	Simple RFA procedure	Complex ^a RFA procedure
Superficial biopsy (thyroid, peripheral lymph nodes, breast)	Gastrostomy tube placement (original placement and exchanges)	Nephrostomy tube placement (original placement and exchanges)
Drainage catheter exchange	Biliary tube exchange	Lumbar puncture, myelography, epidural injection

Note—RFA = radiofrequency ablation.

^aA complex RFA procedure entails treatment of a lesion in a location near major vessels or when a large amount of hepatic or nonhepatic parenchyma must be traversed to access the lesion.

TABLE 3: Recommendations for Management of Anticoagulants

Medication	Interval Between Last Dose and Procedure			Resumption After Procedure		
	Low Bleeding Risk	Medium Bleeding Risk	High Bleeding Risk	Low Bleeding Risk	Medium Bleeding Risk	High Bleeding Risk
Warfarin	5 d	5 d	5 d	12 h	12 h	12–24 h
UFH (IV)	1 h	4 h	4 h	1 h	1 h	1 h
UFH (SQ)	4 h	4 h	6 h	Immediate	Immediate	1 h
LMWH (SQ)	12 h	12 h	12 h	6 h	6 h	6 h
Dabigatran	24 h	48 h	72 h	24 h	48 h	48 h
Rivaroxaban	24 h	48 h	48 h	24 h	48 h	48 h
Apixaban	24 h	48 h	72 h	24 h	48 h	48 h
Fondaparinux	24 h	36 h	48 h	6 h	6 h	6 h
Acova	None	4 h	4 h	1 h	1 h	1 h
Desirudin	None	4 h	4 h	1 h	1 h	1 h
Bivalirudin	None	4 h	4 h	1 h	1 h	1 h

Note—UFH = unfractionated heparin, SQ = subcutaneous, LMWH = low-molecular-weight heparin. Data from [6–9, 13, 19].

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TABLE 5: Recommendations for Management of Antithrombotics

Medication	Interval Between Last Dose and Procedure			Resumption After Procedure			Comment
	Low Bleeding Risk	Medium Bleeding Risk	High Bleeding Risk	Low Bleeding Risk	Medium Bleeding Risk	High Bleeding Risk	
ASA, low dose	None	None	None	Immediate	Immediate	Immediate	Variability in duration of action, long acting NSAIDs require longer interval before procedure
ASA, high dose	None	5 d	5 d	Immediate	Immediate	Immediate	
ASA and dipyridamole	2 d	5 d	5 d	Immediate	Immediate	Immediate	
NSAIDs	None	None	24 h–10 d	Immediate	Immediate	Immediate	
Cilostazol	None	None	24 h	Immediate	Immediate	Immediate	Recent surgery is a contraindication (within 4 wk)
Clopidogrel	5 d	5 d	5 d	Immediate	Immediate	Immediate	
Prasugrel	5 d	5 d	7 d	24 h	24 h	24 h	
Ticagrelor	5 d	5 d	7 d	24 h	24 h	24 h	
Tirofiban	—	—	—	—	—	—	
Eptifibatide	—	—	—	—	—	—	
Abciximab	NR	NR	NR	—	—	—	

Note—Dash (—) indicates that there are no recommendations available. ASA = acetylsalicylic acid (aspirin), NSAIDs = nonsteroidal antiinflammatory drugs, NR = not recommended. Data from [6–9, 13, 19, 41].

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ARRIVAL

Enter through the McLaren Main Entrance. Check in at one of the kiosks and then take M Elevator to Concourse Level. On Concourse Level, wait in the Hospital Registration area until called to a registration window. After completing registration, go down the ramp and turn left. Turn left again at the T in the hallway. Turn right at the end of the hall. There is a colored yellow block on the floor outside of the hallway leading to the waiting room for CT. Wait in waiting room until staff comes to get you. Plan to be at McLaren Northern Michigan for 4- 6 hours.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

CT Angiogram (CTA)

PREP: Do not eat or drink anything 4 hours prior to your scheduled appointment time. Please arrive 45 minutes prior to your exam time.

ARRIVAL:

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Enter through the McLaren Main Entrance. Check in at one of the kiosks and then take M elevator to Concourse Level. On Concourse Level, wait in the Hospital Registration area until called to a registration window. After completing registration, go down the ramp and turn left. Turn left again at the T in the hallway. Turn right at the end of the hall. There is a colored yellow block on the floor outside of the hallway leading to the waiting room for CT. Wait in waiting room until staff comes to get you.

PRECAUTIONS/CONTRAINDICATIONS

- **PREGNANCY:** If there is any chance of pregnancy, please notify our Radiology Liaison at 231-487-7204. There is a chance that the exam may need to be rescheduled.
- **POOR RENAL (KIDNEY) FUNCTION:** Lab tests may be required.
- **ALLERGY:** If you have an allergic reaction to IODINE or IV CONTRAST contact your physician. You will need to be pre-medicated before having this exam.
- **DIABETIC PATIENTS:** If you are taking glucophage, glucovance, metaglip, metformin, actosplusmet, or avandamet do not take day of procedure or for 2 days after procedure.
- **BREAST FEEDING:** Patients that are breast feeding will not be allowed to do so for 48 hours after this procedure if you are given contrast material. It will take 48 hours for the contrast material to leave your body.

INSULIN DEPENDENT DIABETICS: Take 1/2 of usual AM dose of insulin the morning of the exam.

PREGNANT: If you are or could be pregnant, please notify your physician. There is a chance that the exam may need to be rescheduled.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

CT Angiogram (CTA)

A nurse will call you prior to your appointment date with prep instructions and to update your health history information.

PREP: Do not eat or drink anything after midnight before your scheduled procedure time.

Lab Test: You will need a PT and a PTT lab tests prior to appointment date. Your doctor will need to order these lab tests for you. You may hand carry the results or have them faxed to the department at Northern Michigan.

BLOOD THINNERS:

- ASPIRIN - Do not take for three days before this procedure (the procedure is performed on the fourth day).
- COUMADIN (Warafin) - Do not take this medication for three days before this procedure (procedure performed on the fourth day).
- PLAVIX (Clopidogrel) - Do not take for five days before this procedure (the procedure is performed on the sixth day).
- PRADAXA (Dabigatran Etexilate) - Do not take for five days before this procedure (the procedure is performed on the sixth day).

Please notify the Radiology Liaison at 231-487-7204 if you are unable to comply with the above blood thinner protocol.

DIABETICS: Take 1/2 dose of usual morning insulin.

DIABETIC PATIENTS: If you are taking glucophage, glucovance, metaglip, metformin, actosplusmet, or avandamet do not take day of procedure or for 2 days after procedure.

KIDNEY BIOPSY: If you are having a biopsy of your Kidney you will be admitted to the hospital overnight for observation.

MEDICATIONS:

- Take any other medications at normal time with sips of water.
- Bring all of your medications with you to the hospital.

ARRIVAL TIME: You will need to call the day before your procedure for arrival time. The toll free number is 1-866-487-4840. If your procedure is on Monday, please call the Friday before your procedure date. If your procedure is scheduled the day after a holiday, please call the working day before the holiday for your arrival time.

IF YOU ARE BREAST FEEDING: You will not be allowed to breast feed for 48 hours after this procedure. It takes 48 hours for the contrast material to leave the body.

PREGNANT: If you are or could be pregnant, please notify your physician. There is a chance that the exam may need to be rescheduled.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Cardiac Calcium Scoring

- If the patient has a physician order for the exam which includes a non screening diagnosis then the Patients insurance will be billed for the exam. Make sure that ABN checking is done for all Medicare and Medicare Advantage Patients to determine if the diagnosis is payable or an ABN will need to be issued.
- If the Patient schedules (self-refers) themselves without an order, the Patient must pay for \$250 prior to the exam or at time of exam at one of the Registration areas.
- The cost of this procedure includes the Radiologist reading cost.
- Register for your appointment in the Radiology waiting room on the main floor of McLaren Northern Michigan.

PREP: There is no prep for this procedure. Please arrive 30 minutes prior to your exam time.

PREGNANT: If you are or could be pregnant, please notify your physician. There is a chance that the exam may need to be rescheduled.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Coronary CT Angiogram (CCTA)

You have been scheduled for a Cardiac CTA scan at McLaren Northern Michigan in Petoskey. Please register for your appointment in the Hospital Registration area 1 hour before your scheduled procedure.

Prior to the scan you will have an intravenous (IV) catheter inserted. This catheter will be used to inject the contrast necessary for the scan. The total time that you will spend at the hospital, including registration, monitoring of vital signs, IV start, scan, and recovery is approximately 2 hours.

PREP: Drink plenty of fluids the day before your exam. Nothing by mouth (NPO) 4 hours before your procedure. You may take your scheduled medications with as little water as possible.

Wear loose comfortable clothing the day of your procedure. Avoid wearing a bra with underwires.

MEDICATION INSTRUCTIONS: If your physician has provided you with a beta-blocker, please take it 2 hours prior to your arrival time. Questions? Call (231) 487-7326 to speak with the Radiology nurse.

- 48 hours prior to your procedure – No Viagra, Levitra, or Cialis
- 24 hours prior to your procedure – No alcohol
- 12 hours prior to your procedure – No caffeine; no coffee, tea, colas, chocolate, decaffeinated coffees or teas, Excedrine, or No-Doze
- 4 hours prior to your procedure – Nothing to eat or drink (NPO)

PRECAUTIONS/CONTRAINDICATIONS

- **PREGNANCY:** If there is any chance of pregnancy, please notify our Radiology Liaison at 231-487-7204. There is a chance that the exam may need to be rescheduled.
- **POOR RENAL (KIDNEY) FUNCTION:** Lab tests may be required.
- **ALLERGY:** If you have an allergic reaction to IODINE or IV CONTRAST contact your physician. You will need to be pre-medicated before having this exam.
- **DIABETIC PATIENTS:** If you are taking glucophage, glucovance, metaglip, metformin, actosplusmet, or avandamet do not take day of procedure or for 2 days after procedure.
- **BREAST FEEDING:** Patients that are breast feeding will not be allowed to do so for 48 hours after this procedure if you are given contrast material. It will take 48 hours for the contrast material to leave your body.
-

INSULIN DEPENDENT DIABETICS: Take 1/2 of usual AM dose of insulin the morning of the exam.

NEED TO CANCEL OR RESCHEDULE? Please call the Radiology Nurse at (231) 487-7326.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

CT Chest (Thorax) with Contrast

PREP: Do not eat or drink anything 4 hours prior to your scheduled appointment time.

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Enter through the McLaren Main Entrance. Check in at one of the kiosks and then take M elevator to Concourse Level. On Concourse Level, wait in the Hospital Registration area until called to a registration window. After completing registration, go down the ramp and turn left. Turn left again at the T in the hallway. Turn right at the end of the hall. There is a colored yellow block on the floor outside of the hallway leading to the waiting room for CT. Wait in waiting room until staff comes to get you.

PRECAUTIONS/CONTRAINDICATIONS

- **PREGNANCY:** If there is any chance of pregnancy, please notify our Radiology Liaison at 231-487-7204. There is a chance that the exam may need to be rescheduled.
- **POOR RENAL (KIDNEY) FUNCTION:** Lab tests may be required.
- **ALLERGY:** If you have an allergic reaction to IODINE or IV CONTRAST contact your physician. You will need to be pre-medicated before having this exam.
- **DIABETIC PATIENTS:** If you are taking glucophage, glucovance, metaglip, metformin, actosplusmet, or avandamet do not take day of procedure or for 2 days after procedure.
- **BREAST FEEDING:** Patients that are breast feeding will not be allowed to do so for 48 hours after this procedure if you are given contrast material. It will take 48 hours for the contrast material to leave your body.

INSULIN DEPENDENT DIABETICS: Take 1/2 of usual AM dose of insulin the morning of the exam.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

CT Extremity

PROTOCOL: There is a chance that contrast may be needed for this exam depending on the diagnosis.

PREP: Do not eat or drink anything 4 hours prior to your scheduled appointment time.

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Enter through the McLaren Main Entrance. Check in at one of the kiosks and then take M elevator to Concourse Level. On Concourse Level, wait in the Hospital Registration area until called to a registration window. After completing registration, go down the ramp and turn left. Turn left again at the T in the hallway. Turn right at the end of the hall. There is a colored yellow block on the floor outside of the hallway leading to the waiting room for CT. Wait in waiting room until staff comes to get you.

PRECAUTIONS/CONTRAINDICATIONS:

- **PREGNANCY:** If there is any chance of pregnancy, please notify your physician. There is a chance that the exam may need to be rescheduled.
- **POOR RENAL (KIDNEY) FUNCTION:** Lab tests may be required.
- **ALLERGY:** If you have an allergic reaction to IODINE or IV CONTRAST contact your physician. You will need to be pre-medicated before having this exam.
- **DIABETIC PATIENTS:** If you are taking glucophage, glucovance, metaglip, metformin, actosplusmet, or avandamet do not take day of procedure or for 2 days after procedure.
- **BREAST FEEDING:** Patients that are breast feeding will not be allowed to do so for 48 hours after this procedure if you are given contrast material. It will take 48 hours for the contrast material to leave your body.

INSULIN DEPENDENT DIABETICS: Take 1/2 of usual AM dose of insulin the morning of the exam.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

CT Head with Contrast

PREP: Do not eat or drink anything 4 hours prior to your scheduled appointment time.

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Enter through the McLaren Main Entrance. Check in at one of the kiosks and then take M elevator to Concourse Level. On Concourse Level, wait in the Hospital Registration area until called to a registration window. After completing registration, go down the ramp and turn left. Turn left again at the T in the hallway. Turn right at the end of the hall. There is a colored yellow block on the floor outside of the hallway leading to the waiting room for CT. Wait in waiting room until staff comes to get you.

PRECAUTIONS/CONTRAINDICATIONS:

- **PREGNANCY:** If there is any chance of pregnancy, please notify your physician. There is a chance that the exam may need to be rescheduled.
- **POOR RENAL (KIDNEY) FUNCTION:** Lab tests may be required.
- **ALLERGY:** If you have an allergic reaction to IODINE or IV CONTRAST contact your physician. You will need to be pre-medicated before having this exam.
- **DIABETIC PATIENTS:** If you are taking glucophage, glucovance, metaglip, metformin, actosplusmet, or avandamet do not take day of procedure or for 2 days after procedure.
- **BREAST FEEDING:** Patients that are breast feeding will not be allowed to do so for 48 hours after this procedure if you are given contrast material. It will take 48 hours for the contrast material to leave your body.

INSULIN DEPENDENT DIABETICS: Take 1/2 of usual AM dose of insulin the morning of the exam.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

CT Urogram

PREP: Do not eat or drink anything 4 hours prior to your scheduled appointment time.

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Enter through the McLaren Main Entrance. Check in at one of the kiosks and then take M elevator to Concourse Level. On Concourse Level, wait in the Hospital Registration area until called to a registration window. After completing registration, go down the ramp and turn left. Turn left again at the T in the hallway. Turn right at the end of the hall. There is a colored yellow block on the floor outside of the hallway leading to the waiting room for CT. Wait in waiting room until staff comes to get you.

PRECAUTIONS/CONTRAINDICATIONS:

- **PREGNANCY:** If there is any chance of pregnancy, please notify your physician. There is a chance that the exam may need to be rescheduled.
- **POOR RENAL (KIDNEY) FUNCTION:** Lab tests may be required.
- **ALLERGY:** If you have an allergic reaction to IODINE or IV CONTRAST contact your physician. You will need to be pre-medicated before having this exam.
- **DIABETIC PATIENTS:** If you are taking glucophage, glucovance, metaglip, metformin, actosplusmet, or avandamet do not take day of procedure or for 2 days after procedure.
- **BREAST FEEDING:** Patients that are breast feeding will not be allowed to do so for 48 hours after this procedure if you are given contrast material. It will take 48 hours for the contrast material to leave your body.

INSULIN DEPENDENT DIABETICS: Take 1/2 of usual AM dose of insulin the morning of the exam.

If You Need to Change Your Appointment: Please call the Scheduling Department at 866-487-3100

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

CT Head without Contrast

PREP: None

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Enter through the McLaren Main Entrance. Check in at one of the kiosks and then take M elevator to Concourse Level. On Concourse Level, wait in the Hospital Registration area until called to a registration window. After completing registration, go down the ramp and turn left. Turn left again at the T in the hallway. Turn right at the end of the hall. There is a colored yellow block on the floor outside of the hallway leading to the waiting room for CT. Wait in waiting room until staff comes to get you.

PREGNANT: If you are or could be pregnant, please notify your physician. There is a chance that the exam may need to be rescheduled.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

CT Neck Soft Tissue

PREP: Do not eat or drink anything 4 hours prior to your scheduled appointment time.

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Enter through the McLaren Main Entrance. Check in at one of the kiosks and then take M elevator to Concourse Level. On Concourse Level, wait in the Hospital Registration area until called to a registration window. After completing registration, go down the ramp and turn left. Turn left again at the T in the hallway. Turn right at the end of the hall. There is a colored yellow block on the floor outside of the hallway leading to the waiting room for CT. Wait in waiting room until staff comes to get you.

PRECAUTIONS/CONTRAINDICATIONS:

- **PREGNANCY:** If there is any chance of pregnancy, please notify your physician. There is a chance that the exam may need to be rescheduled.
- **POOR RENAL (KIDNEY) FUNCTION:** Lab tests may be required.
- **ALLERGY:** If you have an allergic reaction to IODINE or IV CONTRAST contact your physician. You will need to be pre-medicated before having this exam.
- **DIABETIC PATIENTS:** If you are taking glucophage, glucovance, metaglip, metformin, actosplusmet, or avandamet do not take day of procedure or for 2 days after procedure.
- **BREAST FEEDING:** Patients that are breast feeding will not be allowed to do so for 48 hours after this procedure if you are given contrast material. It will take 48 hours for the contrast material to leave your body.

INSULIN DEPENDENT DIABETICS: Take 1/2 of usual AM dose of insulin the morning of the exam.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

CT Pelvis

PREP: Do not eat or drink anything 4 hours prior to your scheduled appointment time.

DAY OF EXAM: You will need to arrive **1 hour and 15 minutes early** to start drinking the oral contrast for this exam.

REGISTRATION & CHECK IN

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Enter through the McLaren Main Entrance. Check in at one of the kiosks and then take M elevator to Concourse Level. On Concourse Level, wait in the Hospital Registration area until called to a registration window. After completing registration, go down the ramp and turn left. Turn left again at the T in the hallway. Turn right at the end of the hall. There is a colored yellow block on the floor outside of the hallway leading to the waiting room for CT. Wait in waiting room until staff comes to get you.

PRECAUTIONS/CONTRAINDICATIONS:

- **PREGNANCY:** If there is any chance of pregnancy, please notify our Radiology Liaison at 231-487-7204. There is a chance that the exam may need to be rescheduled.
- **POOR RENAL (KIDNEY) FUNCTION:** Lab tests may be required.
- **ALLERGY:** If you have an allergic reaction to IODINE or IV CONTRAST contact your physician. You will need to be pre-medicated before having this exam.
- **DIABETIC PATIENTS:** If you are taking glucophage, glucoavance, metaglip, metformin, actosplusmet, or avandamet do not take day of procedure or for 2 days after procedure.
- **BREAST FEEDING:** Patients that are breast feeding will not be allowed to do so for 48 hours after this procedure if you are given contrast material. It will take 48 hours for the contrast material to leave your body.

INSULIN DEPENDENT DIABETICS: Take 1/2 of usual AM dose of insulin the morning of the exam.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

CT Spine without Contrast

PREP: None

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Enter through the McLaren Main Entrance. Check in at one of the kiosks and then take M elevator to Concourse Level. On Concourse Level, wait in the Hospital Registration area until called to a registration window. After completing registration, go down the ramp and turn left. Turn left again at the T in the hallway. Turn right at the end of the hall. There is a colored yellow block on the floor outside of the hallway leading to the waiting room for CT. Wait in waiting room until staff comes to get you.

PREGNANT: If you are or could be pregnant, please notify our Radiology Liaison at 231-487-7204. There is a chance that the exam may need to be rescheduled.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Stereotactic Localization/Stealth

PREP: None

PRECAUTIONS/CONTRAINDICATIONS

- **PREGNANCY:** If there is any chance of pregnancy, please notify your physician. There is a chance that the exam may need to be rescheduled.
- **POOR RENAL (KIDNEY) FUNCTION:** Lab tests may be required.
- **ALLERGY:** If you have an allergic reaction to IODINE or IV CONTRAST contact your physician. You will need to be pre-medicated before having this exam.
- **DIABETIC PATIENTS:** If you are taking glucophage, glucovance, metaglip, metformin, actosplusmet, or avandamet do not take day of procedure or for 2 days after procedure.
- **BREAST FEEDING:** Patients that are breast feeding will not be allowed to do so for 48 hours after this procedure if you are given contrast material. It will take 48 hours for the contrast material to leave your body.

INSULIN DEPENDENT DIABETICS: Take 1/2 of usual AM dose of insulin the morning of the exam.

If You Need to Change Your Appointment: Please call the Scheduling Department at 866-487-3100

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

CT Guided Biopsy (Abdominal, Liver, Renal, Lung, or Bone Mass)

Previous Imaging Exams: If you have images that were performed at another facility that pertain to the scheduled procedure, they should be sent to McLaren Northern Michigan Imaging Department to be viewed by a Radiologist prior to your procedure. Contact the McLaren Northern Michigan Film Library at (231) 487-4182 regarding images.

Notify the Radiology Nurse at (231) 487-7326:

- If you have any questions prior to your procedure
- If you are pregnant or nursing
- If you are unable to comply with the CT Guided Biopsy prep instructions

PREP INSTRUCTIONS Procedural sedation is planned.

- Nothing to eat for 6 hours prior to your procedure.
- Nothing to drink for 4 hours prior to your procedure
- You may have sips of water with meds
- You must have a driver to take you home
- Shower with antibacterial soap prior to your procedure

LABS You will need to have a PT/INR, CBC, and CMP drawn within 2 weeks of your scheduled biopsy. If these labs are not done, we will draw your labs when we start your IV for the procedure.

MEDICATIONS

WATER PILLS: Do not take Lasix/furosemide or Bumex/bumetidine on the morning of your procedure.

DIABETICS: Instructions will be given during your nursing pre-call by surgical admissions.

BLOOD THINNERS (ANTICOAGULANTS/ANTIPLATELETS)

Blood thinners need to be discussed with your doctor or provider prior to stopping.

Refer to American journal of radiology. Link: ajronline.org/doi/pdf/10.2214/AJR.14.13342

TABLE I: Nonvascular Percutaneous Procedures and Risk of Bleeding

Low Risk	Moderate Risk	High Risk
Thoracentesis	Intraabdominal (excluding liver and spleen) and retroperitoneal (excluding renal) biopsy or drainage, lung, chest wall, or retroperitoneal biopsy or drainage	Renal, hepatic, or splenic parenchymal biopsy
Paracentesis	Percutaneous cholecystostomy tube (original placement and exchanges)	Biliary intervention (new tract)
Superficial aspiration or drainage (excluding intrathoracic or intraabdominal sites)	Simple RFA procedure	Complex ^a RFA procedure
Superficial biopsy (thyroid, peripheral lymph nodes, breast)	Gastrostomy tube placement (original placement and exchanges)	Nephrostomy tube placement (original placement and exchanges)
Drainage catheter exchange	Biliary tube exchange	Lumbar puncture, myelography, epidural injection

Note—RFA = radiofrequency ablation.

^aA complex RFA procedure entails treatment of a lesion in a location near major vessels or when a large amount of hepatic or nonhepatic parenchyma must be traversed to access the lesion.

TABLE 3: Recommendations for Management of Anticoagulants

Medication	Interval Between Last Dose and Procedure			Resumption After Procedure		
	Low Bleeding Risk	Medium Bleeding Risk	High Bleeding Risk	Low Bleeding Risk	Medium Bleeding Risk	High Bleeding Risk
Warfarin	5 d	5 d	5 d	12 h	12 h	12–24 h
UFH (IV)	1 h	4 h	4 h	1 h	1 h	1 h
UFH (SQ)	4 h	4 h	6 h	Immediate	Immediate	1 h
LMWH (SQ)	12 h	12 h	12 h	6 h	6 h	6 h
Dabigatran	24 h	48 h	72 h	24 h	48 h	48 h
Rivaroxaban	24 h	48 h	48 h	24 h	48 h	48 h
Apixaban	24 h	48 h	72 h	24 h	48 h	48 h
Fondaparinux	24 h	36 h	48 h	6 h	6 h	6 h
Acova	None	4 h	4 h	1 h	1 h	1 h
Desirudin	None	4 h	4 h	1 h	1 h	1 h
Bivalirudin	None	4 h	4 h	1 h	1 h	1 h

Note—UFH = unfractionated heparin, SQ = subcutaneous, LMWH = low-molecular-weight heparin. Data from [6–9, 13, 19].

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TABLE 5: Recommendations for Management of Antithrombotics

Medication	Interval Between Last Dose and Procedure			Resumption After Procedure			Comment
	Low Bleeding Risk	Medium Bleeding Risk	High Bleeding Risk	Low Bleeding Risk	Medium Bleeding Risk	High Bleeding Risk	
ASA, low dose	None	None	None	Immediate	Immediate	Immediate	Variability in duration of action, long acting NSAIDs require longer interval before procedure
ASA, high dose	None	5 d	5 d	Immediate	Immediate	Immediate	
ASA and dipyridamole	2 d	5 d	5 d	Immediate	Immediate	Immediate	
NSAIDs	None	None	24 h–10 d	Immediate	Immediate	Immediate	
Cilostazol	None	None	24 h	Immediate	Immediate	Immediate	Recent surgery is a contraindication (within 4 wk)
Clopidogrel	5 d	5 d	5 d	Immediate	Immediate	Immediate	
Prasugrel	5 d	5 d	7 d	24 h	24 h	24 h	
Ticagrelor	5 d	5 d	7 d	24 h	24 h	24 h	
Tirofiban	—	—	—	—	—	—	
Eptifibatide	—	—	—	—	—	—	
Abciximab	NR	NR	NR	—	—	—	

Note—Dash (—) indicates that there are no recommendations available. ASA = acetylsalicylic acid (aspirin), NSAIDs = nonsteroidal antiinflammatory drugs, NR = not recommended. Data from [6–9, 13, 19, 41].

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ARRIVAL

Arrival time will be given when procedure is scheduled by the radiology nurse. Arrive at the hospital main entrance and sign in at the kiosk. Wait in Hospital Registration until called. After registration, go to the door with the yellow block and proceed down the hallway to the CT waiting room. Plan to be at McLaren Northern Michigan for 4- 6 hours.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

MRI Abdomen

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

PREP INSTRUCTIONS: Do not eat or drink anything 3 hours before procedure. Wear comfortable clothing with NO metal. Please leave jewelry at home.

ARRIVAL: Please arrive 45 minutes prior to your appointment time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

- PM appointments: If your appointment is scheduled at 6:30 PM or LATER, please come in through the Emergency entrance to register.
- Saturday/Sunday appointments: Please come in through the Emergency entrance to register.

CLAUSTROPHOBIA: If you have a fear of confined spaces, please discuss this matter with your ordering physician. In order to help relieve your anxiety, oral medication may be needed prior to your MRI. You must have a driver after the MRI, if medication is taken for claustrophobia.

METAL IN EYES: If there is a potential of metal fragments in your eyes, you will need an orbit x-ray. Your physician will need to fax an orbit (eye) x- ray order to Central Scheduling. Have your physician fax the Orbits order to 231-487-7920.

- For appointments after 8 AM and before 4:30 PM, please come in 45 minutes prior to your scheduled MRI appointment time for orbit x-rays.
- For early AM and PM appointments, please come in for orbit x-rays at least one day prior.

PLEASE NOTE: After it has been determined by orbit x-rays that no metal is in your orbit (eye) area, you are able to have your MRI as long as you do not get additional metal in your eyes.

PREGNANT: If you are pregnant, please let your ordering physician know. Your MRI may be cancelled.

BREAST FEEDING: If you are receiving contrast injection in MRI, literature shows no evidence to suggest that oral ingestion by an infant of the tiny amount of gadolinium contrast medium excreted into breast milk would cause toxic effects. Therefore, the data suggests that it is safe to continue breast-feeding after receiving such an agent.

If you are concerned about any potential ill effects, you may abstain from breast feeding for 24 hours.

CONTRAST: Please let your ordering physician know if you have any renal impairment.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

MRI Chest

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

PREP INSTRUCTIONS: No prep is necessary. Please leave jewelry at home.

ARRIVAL: Please arrive 45 minutes prior to your appointment time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

- PM appointments: If your appointment is scheduled at 6:30 PM or LATER, please come in through the Emergency entrance to register.
- Saturday/Sunday appointments: Please come in through the Emergency entrance to register.

CLAUSTROPHOBIA: If you have a fear of confined spaces, please discuss this matter with your ordering physician. In order to help relieve your anxiety, oral medication may be needed prior to your MRI. You must have a driver after the MRI if medication is taken for claustrophobia.

METAL IN EYES: If there is a potential of metal fragments in your eyes, you will need an orbit x-ray. Your physician will need to fax an orbit (eye) x- ray order to Central Scheduling. Have your physician fax the Orbits order to 231-487-7920.

- For appointments after 8 AM and before 4:30 PM, please come in 45 minutes prior to your scheduled MRI appointment time for orbit x-rays.
- For early AM and PM appointments, please come in for orbit x-rays at least one day prior.

PREGNANT: If you are pregnant, please let your ordering physician know. Your MRI may be cancelled.

BREAST FEEDING: If you are receiving contrast injection in MRI, literature shows no evidence to suggest that oral ingestion by an infant of the tiny amount of gadolinium contrast medium excreted into breast milk would cause toxic effects. Therefore, the data suggests that it is safe to continue breast-feeding after receiving such an agent.

If you are concerned about any potential ill effects, you may abstain from breast feeding for 24 hours.

CONTRAST: Please let your ordering physician know if you have any renal impairment.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

MRI Pelvis

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

PREP INSTRUCTIONS: No prep is necessary. Please leave jewelry at home.

ARRIVAL: Please arrive 45 minutes prior to your appointment time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

- PM appointments: If your appointment is scheduled at 6:30 PM or LATER, please come in through the Emergency entrance to register.
- Saturday/Sunday appointments: Please come in through the Emergency entrance to register.

METAL IN EYES: If there is a potential of metal fragments in your eyes, you will need an orbit x-ray. Your physician will need to fax an orbit (eye) x- ray order to Central Scheduling. Have your physician fax the Orbits order to 231-487-7920.

- For appointments after 8 AM and before 4:30 PM, please come in 45 minutes prior to your scheduled MRI appointment time for orbit x-rays.
- For early AM and PM appointments, please come in for orbit x-rays at least one day prior.

PLEASE NOTE: After it has been determined by orbit x-rays that no metal is in your orbit (eye) area, you are able to have your MRI as long as you do not get additional metal in your eyes.

PREGNANT: If you are pregnant, please let your ordering physician know. Your MRI may be cancelled.

BREAST FEEDING: If you are receiving contrast injection in MRI, the following is recommended when breast feeding. The literature shows no evidence to suggest that oral ingestion by an infant of the tiny amount of gadolinium contrast medium excreted into breast milk would cause toxic effects. Therefore, the data suggests that it is safe for the mother and infant to continue breast-feeding after receiving such an agent.

If you remain concerned about any potential ill effects, you may abstain from breast feeding for 24 hours with active expression and discarding breast milk from both breasts during that period. In anticipation of this, you may wish to use a breast pump to obtain milk before the contrast study to feed your infant during the 24 hour period following the examination.

CONTRAST: Please let your ordering physician know if you have any renal impairment.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

MRI Brain

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

PREP INSTRUCTIONS: No prep is necessary. Wear comfortable clothing with NO metal. Please leave jewelry at home.

EYE MAKE-UP: When having an MRI of the brain/orbits (eye area), please remove eye make-up. Mascara will cause an artifact, and some eye shadows have metallic flaking in them and may cause a warming sensation.

ARRIVAL: Please arrive 45 minutes prior to your appointment time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

- PM appointments: If your appointment is scheduled at 6:30 PM or LATER, please come in through the Emergency entrance to register.
- Saturday/Sunday appointments: Please come in through the Emergency entrance to register.

CLAUSTROPHOBIA: If you have a fear of confined spaces, please discuss this matter with your ordering physician. In order to help relieve your anxiety, oral medication may be needed prior to your MRI. You must have a driver after the MRI if medication is taken for claustrophobia.

METAL IN EYES: If there is a potential of metal fragments in your eyes, you will need an orbit x-ray. Your physician will need to fax an orbit (eye) x- ray order to Central Scheduling. Have your physician fax the Orbits order to 231-487-7920.

- For appointments after 8 AM and before 4:30 PM, please come in 45 minutes prior to your scheduled MRI appointment time for orbit x-rays.
- For early AM and PM appointments, please come in for orbit x-rays at least one day prior.

PREGNANT: If you are pregnant, please let your ordering physician know. Your MRI may be cancelled.

BREAST FEEDING: If you are receiving contrast injection in MRI, literature shows no evidence to suggest that oral ingestion by an infant of the tiny amount of gadolinium contrast medium excreted into breast milk would cause toxic effects. Therefore, data suggests that it is safe to continue breast-feeding after receiving such an agent. If you are concerned, you may abstain from breast feeding for 24 hours.

CONTRAST: Please let your ordering physician know if you have any renal impairment.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

MRI Breast

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

PREP INSTRUCTIONS: Do not eat or drink anything 3 hours before procedure. Wear comfortable clothing with NO metal. Please leave jewelry at home.

ARRIVAL: Please arrive 45 minutes before your appointment time. Enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

CLAUSTROPHOBIA: If you have a fear of confined spaces, please discuss this matter with your ordering physician. In order to help relieve your anxiety, oral medication may be needed prior to your MRI. You must have a driver after the MRI if medication is taken for claustrophobia.

METAL IN EYES: If there is a potential of metal fragments in your eyes, you will need an orbit x-ray. Your physician will need to fax an orbit (eye) x-ray order to Central Scheduling. Have your physician fax the Orbits order to 231-487-7920.

- For appointments after 8 AM and before 4:30 PM, please come in 45 minutes prior to your scheduled MRI appointment time for orbit x-rays.
- For early AM and PM appointments, please come in for orbit x-rays at least one day prior.

PLEASE NOTE: After it has been determined by orbit x-rays that no metal is in your orbit (eye) area, you are able to have your MRI as long as you do not get additional metal in your eyes.

PREGNANT: If you are pregnant, please let your ordering physician know. Your MRI may be cancelled.

BREAST FEEDING: If you are receiving contrast injection in MRI, the following is recommended when breast feeding. The literature shows no evidence to suggest that oral ingestion by an infant of the tiny amount of gadolinium contrast medium excreted into breast milk would cause toxic effects. Therefore, the data suggests that it is safe for the mother and infant to continue breast-feeding after receiving such an agent.

If you remain concerned about any potential ill effects, you may abstain from breast feeding for 24 hours with active expression and discarding breast milk from both breasts during that period. In anticipation of this, you may wish to use a breast pump to obtain milk before the contrast study to feed your infant during the 24 hour period following the examination.

CONTRAST: Please let your ordering physician know if you have any renal impairment.

ADDITIONAL INFORMATION: It is important that we have all prior breast studies (mammograms, ultrasounds, other breast MRI's), any pathology reports for the past five to seven years, and a current H & P from the ordering physician. An Imaging Services Liaison will be contacting you.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

MRI Cholangiogram

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

PREP INSTRUCTIONS: Do not eat or drink anything 3 hours before procedure. Wear comfortable clothing with NO metal. Please leave jewelry at home.

ARRIVAL: Please arrive 45 minutes prior to your appointment time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

- PM appointments: If your appointment is scheduled at 6:30 PM or LATER, please come in through the Emergency entrance to register.
- Saturday/Sunday appointments: Please come in through the Emergency entrance to register.

CLAUSTROPHOBIA: If you have a fear of confined spaces, please discuss this matter with your ordering physician. In order to help relieve your anxiety, oral medication may be needed prior to your MRI. You must have a driver after the MRI if medication is taken for claustrophobia.

METAL IN EYES: If there is a potential of metal fragments in your eyes, you will need an orbit x-ray. Your physician will need to fax an orbit (eye) x- ray order to Central Scheduling. Have your physician fax the Orbits order to 231-487-7920.

- For appointments after 8 AM and before 4:30 PM, please come in 45 minutes prior to your scheduled MRI appointment time for orbit x-rays.
- For early AM and PM appointments, please come in for orbit x-rays at least one day prior.

PLEASE NOTE: After it has been determined by orbit x-rays that no metal is in your orbit (eye) area, you are able to have your MRI as long as you do not get additional metal in your eyes.

PREGNANT: If you are pregnant, please let your ordering physician know. Your MRI may be cancelled.

BREAST FEEDING: If you are receiving contrast injection in MRI, literature shows no evidence to suggest that oral ingestion by an infant of the tiny amount of gadolinium contrast medium excreted into breast milk would cause toxic effects. Therefore, data suggests that it is safe to continue breast-feeding after receiving such an agent. If you are concerned, you may abstain from breast feeding for 24 hours.

CONTRAST: Please let your ordering physician know if you have any renal impairment.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

MRI Extremity

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

PREP INSTRUCTIONS: No prep is necessary. Please leave jewelry at home.

ARRIVAL: Please arrive 45 minutes prior to your appointment time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

- PM appointments: If your appointment is scheduled at 6:30 PM or LATER, please come in through the Emergency entrance to register.
- Saturday/Sunday appointments: Please come in through the Emergency entrance to register.

CLAUSTROPHOBIA: If you have a fear of confined spaces, please discuss this matter with your ordering physician. In order to help relieve your anxiety, oral medication may be needed prior to your MRI. You must have a driver after the MRI if medication is taken for claustrophobia.

METAL IN EYES: If there is a potential of metal fragments in your eyes, you will need an orbit x-ray. Your physician will need to fax an orbit (eye) x- ray order to Central Scheduling. Have your physician fax the Orbits order to 231-487-7920.

- For appointments after 8 AM and before 4:30 PM, please come in 45 minutes prior to your scheduled MRI appointment time for orbit x-rays.
- For early AM and PM appointments, please come in for orbit x-rays at least one day prior.

PLEASE NOTE: After it has been determined by orbit x-rays that no metal is in your orbit (eye) area, you are able to have your MRI as long as you do not get additional metal in your eyes.

PREGNANT: If you are pregnant, please let your ordering physician know. Your MRI may be cancelled.

BREAST FEEDING: If you are receiving contrast injection in MRI, literature shows no evidence to suggest that oral ingestion by an infant of the tiny amount of gadolinium contrast medium excreted into breast milk would cause toxic effects. Therefore, data suggests that it is safe to continue breast-feeding after receiving such an agent. If you are concerned, you may abstain from breast feeding for 24 hours.

CONTRAST: Please let your ordering physician know if you have any renal impairment.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

MRI Signature Protocol

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

PREP INSTRUCTIONS: No prep is necessary. Wear comfortable clothing with NO metal. Please leave jewelry at home.

ARRIVAL: Please arrive 45 minutes prior to your appointment time.

Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

- PM appointments: If your appointment is scheduled at 6:30 PM or LATER, please come in through the Emergency entrance to register.
- Saturday/Sunday appointments: Please come in through the Emergency entrance to register.

CLAUSTROPHOBIA: If you have a fear of confined spaces, please discuss this matter with your ordering physician. In order to help relieve your anxiety, oral medication may be needed prior to your MRI. You must have a driver after the MRI if medication is taken for claustrophobia.

METAL IN EYES: If there is a potential of metal fragments in your eyes, you will need an orbit x-ray. Your physician will need to fax an orbit (eye) x- ray order to Central Scheduling. Have your physician fax the Orbits order to 231-487-7920.

- For appointments after 8 AM and before 4:30 PM, please come in 45 minutes prior to your scheduled MRI appointment time for orbit x-rays.
- For early AM and PM appointments, please come in for orbit x-rays at least one day prior.

PLEASE NOTE: After it has been determined by orbit x-rays that no metal is in your orbit (eye) area, you are able to have your MRI as long as you do not get additional metal in your eyes.

PREGNANT: If you are pregnant, please let your ordering physician know. Your MRI may be cancelled.

BREAST FEEDING: If you are receiving contrast injection in MRI, the following is recommended when breast feeding. The literature shows no evidence to suggest that oral ingestion by an infant of the tiny amount of gadolinium contrast medium excreted into breast milk would cause toxic effects. Therefore, the data suggests that it is safe for the mother and infant to continue breast-feeding after receiving such an agent.

If you remain concerned about any potential ill effects, you may abstain from breast feeding for 24 hours with active expression and discarding breast milk from both breasts during that period. In anticipation of this, you may wish to use a breast pump to obtain milk before the contrast study to feed your infant during the 24 hour period following the examination.

CONTRAST: Please let your ordering physician know if you have any renal impairment.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

MRI ARTHROGRAM (LABRUM TEAR)

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

PREP INSTRUCTIONS: Wear comfortable clothing with NO metal. Please leave jewelry at home.

MEDICATIONS TO HOLD: None. If on Coumadin or Warfarin, INR must be ≤ 3 .

ARRIVAL: Check in at the kiosk and register for your appointment in Hospital Registration on the Concourse Level of McLaren Northern Michigan. Please arrive 45 minutes prior to your appointment time.

After you arrive, first, you will have a contrast injection into your joint using fluoroscopy. Then, you will have an MRI of the joint.

CLAUSTROPHOBIA: If you have a fear of confined spaces, please discuss this matter with your ordering physician. In order to help relieve your anxiety, oral medication may be needed prior to your MRI. You must have a driver after the MRI if medication is taken for claustrophobia.

METAL IN EYES: If there is a potential of metal fragments in your eyes, you will need an orbit x-ray. Your physician will need to fax an orbit (eye) x- ray order to Central Scheduling. Have your physician fax the Orbits order to 231-487-7920.

- Please come in 45 minutes prior to your scheduled MRI appointment time for orbit x-rays.

PREGNANT: If you are pregnant, please let your ordering physician know. Your MRI may be cancelled.

BREAST FEEDING: If you are receiving contrast injection in MRI, the following is recommended when breast feeding. The literature shows no evidence to suggest that oral ingestion by an infant of the tiny amount of gadolinium contrast medium excreted into breast milk would cause toxic effects. Therefore, the data suggests that it is safe for the mother and infant to continue breast-feeding after receiving such an agent.

If you remain concerned about any potential ill effects, you may abstain from breast feeding for 24 hours with active expression and discarding breast milk from both breasts during that period. In anticipation of this, you may wish to use a breast pump to obtain milk before the contrast study to feed your infant during the 24 hour period following the examination.

CONTRAST: Please let your ordering physician know if you have any renal impairment.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Medication reference: JVIR Standards of Practice (August 2019), 30 (8) P1198-1184.E1

MRI Brachial Plexus

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

PREP INSTRUCTIONS: No prep is necessary. Please leave jewelry at home.

ARRIVAL: Please arrive 45 minutes prior to your appointment time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

- PM appointments: If your appointment is scheduled at 6:30 PM or LATER, please come in through the Emergency entrance to register.
- Saturday/Sunday appointments: Please come in through the Emergency entrance to register.

CLAUSTROPHOBIA: If you have a fear of confined spaces, please discuss this matter with your ordering physician. In order to help relieve your anxiety, oral medication may be needed prior to your MRI. You must have a driver after the MRI if medication is taken for claustrophobia.

METAL IN EYES: If there is a potential of metal fragments in your eyes, you will need an orbit x-ray. Your physician will need to fax an orbit (eye) x- ray order to Central Scheduling. Have your physician fax the Orbits order to 231-487-7920.

- For appointments after 8 AM and before 4:30 PM, please come in 45 minutes prior to your scheduled MRI appointment time for orbit x-rays.
- For early AM and PM appointments, please come in for orbit x-rays at least one day prior.

PREGNANT: If you are pregnant, please let your ordering physician know. Your MRI may be cancelled.

BREAST FEEDING: If you are receiving contrast injection in MRI, literature shows no evidence to suggest that oral ingestion by an infant of the tiny amount of gadolinium contrast medium excreted into breast milk would cause toxic effects. Therefore, data suggests that it is safe to continue breast-feeding after receiving such an agent. If you are concerned, you may abstain from breast feeding for 24 hours.

CONTRAST: Please let your ordering physician know if you have any renal impairment.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

MRI CHOLANGIOGRAM (MRCP)

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

PREP INSTRUCTIONS: Do not eat or drink anything 3 hours before the procedure. Wear comfortable clothing with NO metal. Please leave jewelry at home.

ARRIVAL: Please arrive 45 minutes prior to your appointment time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

- PM appointments: If your appointment is scheduled at 6:30 PM or LATER, please come in through the Emergency entrance to register.
- Saturday/Sunday appointments: Please come in through the Emergency entrance to register.

CLAUSTROPHOBIA: If you have a fear of confined spaces, please discuss this matter with your ordering physician. In order to help relieve your anxiety, oral medication may be needed prior to your MRI. You must have a driver after the MRI if medication is taken for claustrophobia.

METAL IN EYES: If there is a potential of metal fragments in your eyes, you will need an orbit x-ray. Your physician will need to fax an orbit (eye) x- ray order to Central Scheduling. Have your physician fax the Orbits order to 231-487-7920.

- For appointments after 8 AM and before 4:30 PM, please come in 45 minutes prior to your scheduled MRI appointment time for orbit x-rays.
- For early AM and PM appointments, please come in for orbit x-rays at least one day prior.

PREGNANT: If you are pregnant, please let your ordering physician know. Your MRI may be cancelled.

BREAST FEEDING: If you are receiving contrast injection in MRI, literature shows no evidence to suggest that oral ingestion by an infant of the tiny amount of gadolinium contrast medium excreted into breast milk would cause toxic effects. Therefore, data suggests that it is safe to continue breast-feeding after receiving such an agent. If you are concerned, you may abstain from breast feeding for 24 hours.

CONTRAST: Please let your ordering physician know if you have any renal impairment.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

MRI Neck Face Orbit

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

PREP INSTRUCTIONS: No prep is necessary. Wear comfortable clothing with NO metal. Please leave jewelry at home.

EYE MAKE-UP: Please do not wear any eye make-up. Mascara will cause artifacts, and some eye shadows have metallic flaking in them and may cause a warming sensation.

ARRIVAL: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

- PM appointments: If your appointment is scheduled at 6:30 PM or LATER, please come in through the Emergency entrance to register.
- Saturday/Sunday appointments: Please come in through the Emergency entrance to register.

CLAUSTROPHOBIA: If you have a fear of confined spaces, please discuss this matter with your ordering physician. In order to help relieve your anxiety, oral medication may be needed prior to your MRI. You must have a driver after the MRI if medication is taken for claustrophobia.

METAL IN EYES: If there is a potential of metal fragments in your eyes, you will need an orbit x-ray. Your physician will need to fax an orbit (eye) x- ray order to Central Scheduling. Have your physician fax the Orbits order to 231-487-7920.

- For appointments after 8 AM and before 4:30 PM, please come in 45 minutes prior to your scheduled MRI appointment time for orbit x-rays.
- For early AM and PM appointments, please come in for orbit x-rays at least one day prior.

PLEASE NOTE: After it has been determined by orbit x-rays that no metal is in your orbit (eye) area, you are able to have your MRI as long as you do not get additional metal in your eyes.

PREGNANT: If you are pregnant, please let your ordering physician know. Your MRI may be cancelled.

BREAST FEEDING: If you are receiving contrast injection in MRI, the following is recommended when breast feeding. The literature shows no evidence to suggest that oral ingestion by an infant of the tiny amount of gadolinium contrast medium excreted into breast milk would cause toxic effects. Therefore, the data suggests that it is safe for the mother and infant to continue breast-feeding after receiving such an agent.

If you remain concerned about any potential ill effects, you may abstain from breast feeding for 24 hours with active expression and discarding breast milk from both breasts during that period. In anticipation of this, you may wish to use a breast pump to obtain milk before the contrast study to feed your infant during the 24 hour period following the examination.

CONTRAST: Please let your ordering physician know if you have any renal impairment.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

MRI Lumbar Sacral Coccyx

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

PREP INSTRUCTIONS: No prep is necessary. Please leave jewelry at home.

ARRIVAL: Please arrive 45 minutes prior to your appointment time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

- PM appointments: If your appointment is scheduled at 6:30 PM or LATER, please come in through the Emergency entrance to register.
- Saturday/Sunday appointments: Please come in through the Emergency entrance to register.

CLAUSTROPHOBIA: If you have a fear of confined spaces, please discuss this matter with your ordering physician. In order to help relieve your anxiety, oral medication may be needed prior to your MRI. You must have a driver after the MRI if medication is taken for claustrophobia.

METAL IN EYES: If there is a potential of metal fragments in your eyes, you will need an orbit x-ray. Your physician will need to fax an orbit (eye) x- ray order to Central Scheduling. Have your physician fax the Orbits order to 231-487-7920.

- For appointments after 8 AM and before 4:30 PM, please come in 60 minutes prior to your scheduled MRI appointment time for orbit x-rays.
- For early AM and PM appointments, please come in for orbit x-rays at least one day prior.

PLEASE NOTE: After it has been determined by orbit x-rays that no metal is in your orbit (eye) area, you are able to have your MRI as long as you do not get additional metal in your eyes.

BREAST FEEDING: If you are receiving contrast injection in MRI, literature shows no evidence to suggest that oral ingestion by an infant of the tiny amount of gadolinium contrast medium excreted into breast milk would cause toxic effects. Therefore, data suggests that it is safe to continue breast-feeding after receiving such an agent. If you are concerned, you may abstain from breast feeding for 24 hours.

PREGNANT: If you are pregnant, please let your ordering physician know. Your MRI may be cancelled.

CONTRAST: Please let your ordering physician know if you have any renal impairment.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

MRI Spine Cervical, Thoracic, Lumbar

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

PREP INSTRUCTIONS: No prep is necessary. Wear comfortable clothing with NO metal. Please leave jewelry at home.

ARRIVAL: Please arrive 45 minutes prior to your appointment time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

- PM appointments: If your appointment is scheduled at 6:30 PM or LATER, please come in through the Emergency entrance to register.
- Saturday/Sunday appointments: Please come in through the Emergency entrance to register.

CLAUSTROPHOBIA: If you have a fear of confined spaces, please discuss this matter with your ordering physician. In order to help relieve your anxiety, oral medication may be needed prior to your MRI. You must have a driver after the MRI if medication is taken for claustrophobia.

METAL IN EYES: If there is a potential of metal fragments in your eyes, you will need an orbit x-ray. Your physician will need to fax an orbit (eye) x-ray order to Central Scheduling. Have your physician fax the Orbits order to 231-487-7920.

- For appointments after 8 AM and before 4:30 PM, please come in 45 minutes prior to your scheduled MRI appointment time for orbit x-rays.
- For early AM and PM appointments, please come in for orbit x-rays at least one day prior.

PLEASE NOTE: After it has been determined by orbit x-rays that no metal is in your orbit (eye) area, you are able to have your MRI as long as you do not get additional metal in your eyes.

PREGNANT: If you are pregnant, please let your ordering physician know. Your MRI may be cancelled.

BREAST FEEDING: If you are receiving contrast injection in MRI, literature shows no evidence to suggest that oral ingestion by an infant of the tiny amount of gadolinium contrast medium excreted into breast milk would cause toxic effects. Therefore, data suggests that it is safe to continue breast-feeding after receiving such an agent. If you are concerned, you may abstain from breast feeding for 24 hours.

CONTRAST: Please let your ordering physician know if you have any renal impairment.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

MRA Peripheral Lower Extremity

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

PREP INSTRUCTIONS: Do not eat or drink anything 3 hours before the procedure. Please leave jewelry at home.

ARRIVAL: Please arrive 45 minutes prior to your appointment time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

- PM appointments: If your appointment is scheduled at 6:30 PM or LATER, please come in through the Emergency entrance to register.
- Saturday/Sunday appointments: Please come in through the Emergency entrance to register.

CLAUSTROPHOBIA: If you have a fear of confined spaces, please discuss this matter with your ordering physician. In order to help relieve your anxiety, oral medication may be needed prior to your MRI. You must have a driver after the MRI if medication is taken for claustrophobia.

METAL IN EYES: If there is a potential of metal fragments in your eyes, you will need an orbit x-ray. Your physician will need to fax an orbit (eye) x- ray order to Central Scheduling. Have your physician fax the Orbits order to 231-487-7920.

- For appointments after 8 AM and before 4:30 PM, please come in 45 minutes prior to your scheduled MRI appointment time for orbit x-rays.
- For early AM and PM appointments, please come in for orbit x-rays at least one day prior.

PLEASE NOTE: After it has been determined by orbit x-rays that no metal is in your orbit (eye) area, you are able to have your MRI as long as you do not get additional metal in your eyes.

PREGNANT: If you are pregnant, please let your ordering physician know. Your MRI may be cancelled.

BREAST FEEDING: If you are receiving contrast injection in MRI, literature shows no evidence to suggest that oral ingestion by an infant of the tiny amount of gadolinium contrast medium excreted into breast milk would cause toxic effects. Therefore, data suggests that it is safe to continue breast-feeding after receiving such an agent. If you are concerned, you may abstain from breast feeding for 24 hours.

CONTRAST: Please let your ordering physician know if you have any renal impairment.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

MRA Peripheral Upper Extremity

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

PREP INSTRUCTIONS: Do not eat or drink anything 3 hours before the procedure. Wear comfortable clothing with NO metal. Please leave jewelry at home.

ARRIVAL: Please arrive 45 minutes prior to your appointment time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

- PM appointments: If your appointment is scheduled at 6:30 PM or LATER, please come in through the Emergency entrance to register.
- Saturday/Sunday appointments: Please come in through the Emergency entrance to register.

CLAUSTROPHOBIA: If you have a fear of confined spaces, please discuss this matter with your ordering physician. In order to help relieve your anxiety, oral medication may be needed prior to your MRI. You must have a driver after the MRI if medication is taken for claustrophobia.

METAL IN EYES: If there is a potential of metal fragments in your eyes, you will need an orbit x-ray. Your physician will need to fax an orbit (eye) x- ray order to Central Scheduling. Have your physician fax the Orbits order to 231-487-7920.

- For appointments after 8 AM and before 4:30 PM, please come in 45 minutes prior to your scheduled MRI appointment time for orbit x-rays.
- For early AM and PM appointments, please come in for orbit x-rays at least one day prior.

PLEASE NOTE: After it has been determined by orbit x-rays that no metal is in your orbit (eye) area, you are able to have your MRI as long as you do not get additional metal in your eyes.

PREGNANT: If you are pregnant, please let your ordering physician know. Your MRI may be cancelled.

BREAST FEEDING: If you are receiving contrast injection in MRI, literature shows no evidence to suggest that oral ingestion by an infant of the tiny amount of gadolinium contrast medium excreted into breast milk would cause toxic effects. Therefore, data suggests that it is safe to continue breast-feeding after receiving such an agent. If you are concerned, you may abstain from breast feeding for 24 hours.

CONTRAST: Please let your ordering physician know if you have any renal impairment.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

MRA Brain

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

PREP INSTRUCTIONS: No prep is necessary. Wear comfortable clothing with NO metal. Please leave jewelry at home.

EYE MAKE-UP: When having an MRI of the brain/orbits (eye area), please do not wear any mascara or eye shadow. It can cause artifacts.

ARRIVAL: Please arrive 45 minutes prior to your appointment time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

- PM appointments: If your appointment is scheduled at 6:30 PM or LATER, please come in through the Emergency entrance to register.
- Saturday/Sunday appointments: Please come in through the Emergency entrance to register.

CLAUSTROPHOBIA: If you have a fear of confined spaces, please discuss this matter with your ordering physician. In order to help relieve your anxiety, oral medication may be needed prior to your MRI. You must have a driver after the MRI if medication is taken for claustrophobia.

METAL IN EYES: If there is a potential of metal fragments in your eyes, you will need an orbit x-ray. Your physician will need to fax an orbit (eye) x- ray order to Central Scheduling. Have your physician fax the Orbits order to 231-487-7920.

- For appointments after 8 AM and before 4:30 PM, please come in 60 minutes prior to your scheduled MRI appointment time for orbit x-rays.
- For early AM and PM appointments, please come in for orbit x-rays at least one day prior.

PLEASE NOTE: Please be careful not to get additional metal in your eyes after the x-rays are cleared.

PREGNANT: If you are pregnant, please let your ordering physician know. Your MRI may be cancelled.

BREAST FEEDING: If you are receiving contrast injection in MRI, literature shows no evidence to suggest that oral ingestion by an infant of the tiny amount of gadolinium contrast medium excreted into breast milk would cause toxic effects. Therefore, data suggests that it is safe to continue breast-feeding after receiving such an agent. If you are concerned, you may abstain from breast feeding for 24 hours.

CONTRAST: Please let your ordering physician know if you have any renal impairment.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

MRA Neck

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

PREP INSTRUCTIONS: Do not eat or drink anything 3 hours before the procedure. Wear comfortable clothing with NO metal. Please leave jewelry at home.

ARRIVAL: Please arrive 45 minutes prior to your appointment time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

- PM appointments: If your appointment is scheduled at 6:30 PM or LATER, please come in through the Emergency entrance to register.
- Saturday/Sunday appointments: Please come in through the Emergency entrance to register.

CLAUSTROPHOBIA: If you have a fear of confined spaces, please discuss this matter with your ordering physician. In order to help relieve your anxiety, oral medication may be needed prior to your MRI. You must have a driver after the MRI if medication is taken for claustrophobia.

METAL IN EYES: If there is a potential of metal fragments in your eyes, you will need an orbit x-ray. Your physician will need to fax an orbit (eye) x- ray order to Central Scheduling. Have your physician fax the Orbits order to 231-487-7920.

- For appointments after 8 AM and before 4:30 PM, please come in 60 minutes prior to your scheduled MRI appointment time for orbit x-rays.
- For early AM and PM appointments, please come in for orbit x-rays at least one day prior.

PLEASE NOTE: After it has been determined by orbit x-rays that no metal is in your orbit (eye) area, you are able to have your MRI as long as you do not get additional metal in your eyes.

PREGNANT: If you are pregnant, please let your ordering physician know. Your MRI may be cancelled.

BREAST FEEDING: If you are receiving contrast injection in MRI, literature shows no evidence to suggest that oral ingestion by an infant of the tiny amount of gadolinium contrast medium excreted into breast milk would cause toxic effects. Therefore, data suggests that it is safe to continue breast-feeding after receiving such an agent. If you are concerned, you may abstain from breast feeding for 24 hours.

CONTRAST: Please let your ordering physician know if you have any renal impairment.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

MRV Abdomen

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

PREP INSTRUCTIONS: Do not eat or drink anything 3 hours before the procedure. Wear comfortable clothing with NO metal. Please leave jewelry at home.

ARRIVAL: Please arrive 45 minutes prior to your appointment time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

- PM appointments: If your appointment is scheduled at 6:30 PM or LATER, please come in through the Emergency entrance to register.
- Saturday/Sunday appointments: Please come in through the Emergency entrance to register.

CLAUSTROPHOBIA: If you have a fear of confined spaces, please discuss this matter with your ordering physician. In order to help relieve your anxiety, oral medication may be needed prior to your MRI. You must have a driver after the MRI if medication is taken for claustrophobia.

METAL IN EYES: If there is a potential of metal fragments in your eyes, you will need an orbit x-ray. Your physician will need to fax an orbit (eye) x-ray order to Central Scheduling. Have your physician fax the Orbits order to 231-487-7920.

- For appointments after 8 AM and before 4:30 PM, please come in 60 minutes prior to your scheduled MRI appointment time for orbit x-rays.
- For early AM and PM appointments, please come in for orbit x-rays at least one day prior.

PLEASE NOTE: After it has been determined by orbit x-rays that no metal is in your orbit (eye) area, you are able to have your MRI as long as you do not get additional metal in your eyes.

PREGNANT: If you are pregnant, please let your ordering physician know. Your MRI may be cancelled.

BREAST FEEDING: If you are receiving contrast injection in MRI, literature shows no evidence to suggest that oral ingestion by an infant of the tiny amount of gadolinium contrast medium excreted into breast milk would cause toxic effects. Therefore, data suggests that it is safe to continue breast-feeding after receiving such an agent. If you are concerned, you may abstain from breast feeding for 24 hours.

CONTRAST: Please let your ordering physician know if you have any renal impairment.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

MRV Brain

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

PREP INSTRUCTIONS: No prep is necessary. Wear comfortable clothing with NO metal. Please leave jewelry at home.

EYE MAKE-UP: Please do not wear any mascara or eye shadow. It can cause artifacts.

ARRIVAL: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

- PM appointments: If your appointment is scheduled at 6:30 PM or LATER, please come in through the Emergency entrance to register.
- Saturday/Sunday appointments: Please come in through the Emergency entrance to register.

CLAUSTROPHOBIA: If you have a fear of confined spaces, please discuss this matter with your ordering physician. In order to help relieve your anxiety, oral medication may be needed prior to your MRI. You must have a driver after the MRI if medication is taken for claustrophobia.

METAL IN EYES: If there is a potential of metal fragments in your eyes, you will need an orbit x-ray. Your physician will need to fax an orbit (eye) x- ray order to Central Scheduling. Have your physician fax the Orbits order to 231-487-7920.

- For appointments after 8 AM and before 4:30 PM, please come in 60 minutes prior to your scheduled MRI appointment time for orbit x-rays.
- For early AM and PM appointments, please come in for orbit x-rays at least one day prior.

PLEASE NOTE: After it has been determined by orbit x-rays that no metal is in your orbit (eye) area, you are able to have your MRI as long as you do not get additional metal in your eyes.

PREGNANT: If you are pregnant, please let your ordering physician know. Your MRI may be cancelled.

BREAST FEEDING: If you are receiving contrast injection in MRI, the following is recommended when breast feeding. The literature shows no evidence to suggest that oral ingestion by an infant of the tiny amount of gadolinium contrast medium excreted into breast milk would cause toxic effects. Therefore, the data suggests that it is safe for the mother and infant to continue breast-feeding after receiving such an agent.

If you remain concerned about any potential ill effects, you may abstain from breast feeding for 24 hours with active expression and discarding breast milk from both breasts during that period. In anticipation of this, you may wish to use a breast pump to obtain milk before the contrast study to feed your infant during the 24 hour period following the examination.

CONTRAST: Please let your ordering physician know if you have any renal impairment.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

MRV Pelvis

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

PREP INSTRUCTIONS: Do not eat or drink anything 3 hours before the procedure. Wear comfortable clothing with NO metal. Please leave jewelry at home.

ARRIVAL: Please arrive 45 minutes prior to your appointment time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

- PM appointments: If your appointment is scheduled at 6:30 PM or LATER, please come in through the Emergency entrance to register.
- Saturday/Sunday appointments: Please come in through the Emergency entrance to register.

CLAUSTROPHOBIA: If you have a fear of confined spaces, please discuss this matter with your ordering physician. In order to help relieve your anxiety, oral medication may be needed prior to your MRI. You must have a driver after the MRI if medication is taken for claustrophobia.

METAL IN EYES: If there is a potential of metal fragments in your eyes, you will need an orbit x-ray. Your physician will need to fax an orbit (eye) x- ray order to Central Scheduling. Have your physician fax the Orbits order to 231-487-7920.

- For appointments after 8 AM and before 4:30 PM, please come in 60 minutes prior to your scheduled MRI appointment time for orbit x-rays.
- For early AM and PM appointments, please come in for orbit x-rays at least one day prior.

PLEASE NOTE: After it has been determined by orbit x-rays that no metal is in your orbit (eye) area, you are able to have your MRI as long as you do not get additional metal in your eyes.

PREGNANT: If you are pregnant, please let your ordering physician know. Your MRI may be cancelled.

BREAST FEEDING: If you are receiving contrast injection in MRI, literature shows no evidence to suggest that oral ingestion by an infant of the tiny amount of gadolinium contrast medium excreted into breast milk would cause toxic effects. Therefore, data suggests that it is safe to continue breast-feeding after receiving such an agent. If you are concerned, you may abstain from breast feeding for 24 hours.

CONTRAST: Please let your ordering physician know if you have any renal impairment.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

MRI Guided Breast Biopsy

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at (866) 487-3100

PREP INSTRUCTIONS: You may have a light meal before the procedure.

Wear comfortable clothing with no metal. Leave your jewelry at home.

MEDICATIONS TO HOLD: None. If on Coumadin or Warfarin, INR must be ≤ 3 .

CLAUSTROPHOBIA: If you have a fear of confined spaces, please discuss this matter with your ordering physician. In order to help relieve your anxiety, oral medication may be needed prior to your MRI. You must have a driver after the MRI if medication is taken for claustrophobia.

METAL IN EYES: If there is a potential of metal fragments in your eyes, you will need an orbit x-ray. Your physician will need to fax an orbit (eye) x-ray order to Central Scheduling (231) 487-7920.

PREGNANT: If you are pregnant, please let the ordering physician know. Your MRI may be cancelled.

ARRIVAL AT THE HOSPITAL: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

Please arrive 60 minutes prior to your appointment time.

BREAST FEEDING: If you are receiving contrast injection in MRI, literature shows no evidence to suggest that oral ingestion by an infant of the tiny amount of gadolinium contrast medium excreted into breast milk would cause toxic effects. Therefore, data suggests that it is safe to continue breast-feeding after receiving such an agent. If you are concerned, you may abstain from breast feeding for 24 hours.

CONTRAST: Please let your ordering physician know if you have any renal impairment.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

MR Enterography

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100

PREP INSTRUCTIONS: Do not eat or drink anything 6 hours before the procedure. Wear comfortable clothing with NO metal. Please leave jewelry at home.

ARRIVAL: Please arrive 1.5 hours prior to your appointment time. You will be given oral contrast to drink before the exam to distend the bowel for clear identification during the MRI exam.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

CLAUSTROPHOBIA: If you have a fear of confined spaces, please discuss this matter with your ordering physician. In order to help relieve your anxiety, oral medication may be needed prior to your MRI. You must have a driver after the MRI if medication is taken for claustrophobia.

METAL IN EYES: If there is a potential of metal fragments in your eyes, you will need an orbit x-ray. Your physician will need to fax an orbit (eye) x- ray order to Central Scheduling. Have your physician fax the Orbits order to 231-487-7920.

- For appointments after 8 AM and before 4:30 PM, please come in 2 hours prior to your scheduled MRI appointment time for orbit x-rays.
- For early AM and PM appointments, please come in for orbit x-rays at least one day prior.

PLEASE NOTE: After it has been determined by orbit x-rays that no metal is in your orbit (eye) area, you are able to have your MRI as long as you do not get additional metal in your eyes.

PREGNANT: If you are pregnant, please let your ordering physician know. Your MRI may be cancelled.

CONTRAST: Please let your ordering physician know if you have any renal impairment.

POST PROCEDURE: Eat a small protein packed meal to help prevent a post hypoglycemic event. Resume normal activities and normal diet after the MRI exam. On rare occasion, some may experience nausea and local pain from the contrast material.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Ultrasound Abdomen

PREP INSTRUCTIONS:

- Do not eat or drink anything after midnight prior to this exam.
- Do not eat or drink anything for 6 hours before your test time.

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

US Abdomen Pelvis Combo

PREP INSTRUCTIONS:

- Consume only water after midnight prior to this exam.
- Your bladder must be full for this exam.
- You will need to drink 32 ounces of water prior to your exam.
- Please start drinking 90 minutes before your exam, and have the water finished within 30 minutes.
 - EXAMPLE: If your appointment is at 10:00 am, start drinking at 8:30 am and finish the water by 9:00 am.
- Do not go to the bathroom once you have started drinking your water.
- IF YOUR BLADDER IS NOT FULL AT THE TIME OF YOUR EXAM, YOU WILL NEED TO RESCHEDULE FOR ANOTHER DAY.

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

US Abd Doppler Hep Veins Portal

PREP INSTRUCTIONS:

- Do not eat or drink anything after midnight prior to this exam.
- Do not eat or drink anything for 6 hours before your test time.

ARRIVE: Please arrive 45 minutes prior to your scheduled appointment.

PETOSKEY: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

US Liver Biopsy

PREP: Do not eat or drink anything 4 hours before your procedure time. You should be prepared to be admitted in the hospital overnight if needed.

LAB TESTS: Patients having a Liver Biopsy will need to have stat labs (PT, PTT and INR) one hour prior to the procedure time. If these labs have been done, are not over 2 weeks old on procedure date and the results were normal, these tests do not need to be repeat.

LAB ORDER: The ordering physician will need to provide an order for these lab tests.

BLOOD THINNERS:

- ASPIRIN - Do not take for three days before this procedure (the procedure is performed on the fourth day).
- COUMADIN (Warafin) - Do not take this medication for three days before this procedure (procedure performed on the fourth day).
- PLAVIX (Clopidogrel) - Do not take for five days before this procedure (the procedure is performed on the sixth day).
- PRADAXA (Dabigatram Etexilate) - Do not take for five days before this procedure (the procedure is performed on the sixth day).
- XARELTO – Do not take for two days before this procedure (the procedure is performed on the third day).

Please notify the Radiology Liaison at 231-487-7204 if you are unable to comply with the above blood thinner protocol.

ARRIVAL TIME FOR KIDNEY BIOPSIES: Call the day before your procedure for your arrival time. The toll free number is 1-866-487-4840. If your procedure is on a Monday, please call for your arrival time on the Friday before your procedure date. If your procedure is scheduled the day after a holiday, please call the working day before the holiday for your arrival time.

Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

US Kidney Biopsy

PREP: Do not eat or drink anything 4 hours before your procedure time.

KIDNEY BIOPSY: After your biopsy you will be admitted to the hospital overnight for observation.

LAB TESTS: Patients having a Kidney Biopsy will need to have stat labs (PT, PTT and INR) one hour prior to the procedure time. If these labs have been done, are not over 2 weeks old on procedure date and the results were normal, these tests do not need to be repeat.

LAB ORDER: The ordering physician will need to provide an order for these lab tests.

BLOOD THINNERS:

- ASPIRIN - Do not take for three days before this procedure (the procedure is performed on the fourth day).
- COUMADIN (Warafin) - Do not take this medication for three days before this procedure (procedure performed on the fourth day).
- PLAVIX (Clopidogrel) - Do not take for five days before this procedure (the procedure is performed on the sixth day).
- PRADAXA (Dabigatran Etexilate) - Do not take for five days before this procedure (the procedure is performed on the sixth day).
- XARELTO – Do not take for two days before this procedure (the procedure is performed on the third day).

Please notify the Radiology Liaison at 231-487-7204 if you are unable to comply with the above blood thinner protocol.

ARRIVAL TIME FOR KIDNEY BIOPSIES: Call the day before your procedure for your arrival time. The toll free number is 1-866-487-4840. If your procedure is on a Monday, please call for your arrival time on the Friday before your procedure date. If your procedure is scheduled the day after a holiday, please call the working day before the holiday for your arrival time.

Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

US Breast Biopsy

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

PREP: You may eat and drink before this procedure.

MEDICATIONS TO HOLD: None. If on Coumadin or Warfarin, INR must be ≤ 3 .

Please call (231) 487-7326 if you have any questions.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

US Thyroid Biopsy

ARRIVAL TIME FOR THYROID BIOPSIES: Please arrive 45 minutes prior to your appointment time.

Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

PREP: You may eat and drink before this procedure.

MEDICATIONS TO HOLD: None. If on Coumadin or Warfarin, INR must be ≤ 3 .

Please call (231) 487-7326 if you have any questions.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

US Paracentesis

ARRIVAL TIME FOR PARACENTESIS: Please arrive 45 minutes prior to your appointment time.

Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

PREP: Do not eat or drink anything 4 hours before your procedure time. You should be prepared to be admitted in the hospital overnight if needed.

MEDICATIONS TO HOLD: None. If on Coumadin or Warfarin, INR must be ≤ 3 .

Please call (231) 487-7326 if you have any questions.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

US Thoracentesis

ARRIVAL TIME FOR THORACENTESIS: Please arrive 45 minutes prior to your appointment time.

Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

PREP: Do not eat or drink anything 4 hours before your procedure time. You should be prepared to be admitted in the hospital overnight if needed.

MEDICATIONS TO HOLD: None. If on Coumadin or Warfarin, INR must be ≤ 3 .

Please call (231) 487-7326 if you have any questions.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

US Pelvic/ Renal Bladder Combo (Not Transvaginal)

PREP INSTRUCTIONS:

- Your bladder must be full for this exam.
- You will need to drink 32 ounces of fluid (water, soda, coffee etc.) prior to your exam.
- Please start drinking 90 minutes before your exam, and have the water finished within 30 minutes.
 - EXAMPLE: If your appointment is at 10:00 am, start drinking at 8:30 am and finish the water by 9:00 am.
- Do not go to the bathroom once you have started drinking your water.
- IF YOUR BLADDER IS NOT FULL AT THE TIME OF YOUR EXAM, YOU WILL HAVE TO RESCHEDULE FOR ANOTHER DAY.

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

US Pelvic (Transvaginal Only)

PREP INSTRUCTIONS: There is no prep for this exam.

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Nuclear Medicine All

Please follow these instructions carefully. Failure to follow these may result in the need to reschedule your exam. Any questions, please call Nuclear Medicine 231-487-4246.

Please arrive 45 minutes before your scheduled exam and wear comfortable clothing with no metal.

INFORM YOUR PHYSICIAN IF YOU ARE OR MAY BE PREGNANT OR IF YOU ARE BREAST FEEDING

IF YOU ARE UNABLE TO KEEP YOUR APPOINTMENT, PLEASE CALL US 24 HOURS IN ADVANCE.

Bone scan: Well hydrated the day prior to exam. Two part test - return 4 hrs after 1st appointment.

Bowel imaging (Meckel's scan): Nothing to eat or drink after midnight. No recent barium contrast. 1.5hr approx. imaging time

Myocardial Imaging Stress test: Nothing to eat or drink 4 hrs before resting injection. Diabetics may eat and take insulin if necessary. No short acting nitrates 30 minutes prior to resting injection. No caffeinated beverages, medication containing caffeine, or Theophylline/Aminophylline for 15 hours prior to test. Plan on approx. 3-5 hours for exam.

Cardiac blood pool imaging (MUGA): No prep. Allow approx. 1.5hr for exam.

Gastric Emptying: Nothing to eat or drink 8hrs. Allow approx. 2.5hrs for exam. You will be eating 2eggs 2 pieces of toast and 150ml orange juice for exam.

GI Bleed: No prep. Allow approx. 1.5hr for exam.

Hepatobiliary Imaging (HIDA): Nothing to eat or drink 4hrs prior to exam. No Demerol or Morphine (derivatives) for 12 hours prior to exam. Allow 2hrs for exam. You will need to have a driver.

Liver Spleen Scan: No Barium studies 48hrs prior to exam. Allow approx. 1.5hrs for exam.

SPECT Liver (Hemangioma): Must have had prior CT or Ultrasound. Prior Ultrasound or CT must be available for radiologist to review at the time of the exam. No prep. Allow approx. 3.5hrs for exam.

Lung scan (VQ): 2 view X-ray within 24hrs of scan. Allow approx. 2hrs for scan.

Lymphoscintigraphy: No prep. Allow between approx. 1.5 to 2.5hrs for exam.

Parathyroid Imaging: No prep. Allow approx. 3.5hrs for exam.

Radiotherapy: Please contact your physician's office for prep or the Nuclear Medicine Dept.

Thyroid CA Neck and Chest: Please contact your physician's office for prep or the Nuclear Medicine Dept.

Thyroid uptake and scan: No thyroid hormone replacement medication, kelp supplements, Iodinated contrast for 6 weeks prior to the test. Do not take multiple vitamins containing iodine for one week prior to test. No Anti Thyroid medications 2-4 days prior to test. NPO 2 hours prior to testing, and 2 hours after receiving I123. Your 1st apt will last about 20min. You will return 2hrs and 6hrs from 1st apt lasting approx. 10mins. Returning again 24hrs later with an approx 1hr apt.

Gallium: Bowel cleansing prior to 48 hour images as directed or prescribed by a radiologist. 1st apt will take 20min returning 6hr, 24hr and 48hr for imaging allow for approx. 1Hr apt time with the possibility of

72hr images.

In-111 WBC scan: Well Hydrated. Arrive for 1st apt blood draw. Return 3hrs later for re injection of blood then 4hrs, 24hr., 48hrs for approx. 1hr of imaging.

Ceretec WBC scan: No oral contrast within 3 days prior to imaging. Well Hydrated. Arrive for 1st apt blood draw. Return 3hrs later for re injection of blood and images immediate, 30min, 90min and 4hrs after injection.

Octreoscan: Bowel prep (mag citrate) the evening prior to injection and each evening prior to imaging. Patient can pick this up over the counter at any pharmacy. Discontinue Octreotide Tx for 48 hours prior to injection. Pt. should be well hydrated prior to injection. Encourage patient to increase fluid intake for the duration of the exam. Allow 1 hour camera time for 4 hour images, and approx. 2 hours camera time for the 24 and 48 hr images for SPECT and whole body.

Prostascint: contraindications: Prior HAMA reaction. Well hydrated (oral and IV) prior to injection. Patient should maintain good oral hydration until scanning begins. Patient should void frequently. Give the patient a Tridrate kit for bowel prep, at the time of injection. Instruct the patient to use the bowel prep, according to instructions, the day prior to imaging. Patient is to be NPO the morning of scanning.

Renal Scan: Well hydrated. Allow approx. 1.5hr for Apt.

Renal scan w/ Pham: ACE inhibitor: contraindications: Creatinine greater than 3.0. History of renal failure. Allergy to Captopril. Failure to discontinue A.C.E. inhibitors 72 hours prior to exam, or diuretics 24 hours prior to exam. Diuretic medications should be discontinued 24 hours before the exam. A.C.E. inhibitors should be discontinued 72 hours before the exam. These include: Acupril, Vasotec, Enalaprilat, Vasoretic, Captopril, Capoten, Lisinopril, Capozide, Monopril, Prinovil, Ramipril, Prinzide, Zestril, Zestoretic, Altace. Other anti-hypertensive drugs may be continued for the exam. The patient should arrive well hydrated.

Cisternogram: No prep for this exam. Call McLaren Northern MI Imaging (231) 487-7326 or (231) 487-4184 regarding any medications to hold for a lumbar puncture.

Test requires coming to the hospital 3 days in a row. Must have a driver for patient after the first visit or the test will be cancelled.

Call the Nuclear Medicine department at least 48 hours in advance (before the radiopharmaceutical is ordered) if need to cancel. (231) 487-3214.

Day 1: A radiopharmaceutical is injected into the lumbar space (lumbar puncture) in the radiology department. Images are taken 2 hours post injection in the Nuclear Medicine department. Rest the remainder of the day in a reclining position with your head elevated no higher than 30 degrees.

Day 2: In Nuclear Medicine, Images are taken 24 hours post injection. 1 hour appointment.

Day 3: In Nuclear Medicine, Images are taken 48 hours post injection. 1 hour appointment.

PLEASE ARRIVE 45 MIN EARLY TO REGISTER FOR YOUR NUCLEAR MEDICINE EXAM.

PET/CT All (Positron Emission Tomography with non-diagnostic CT for anatomical reference.)

How do I prepare for the test?

If you are claustrophobic (fear of enclosed or tight spaces) please have your doctor prescribe a medication to help you with this. Bring the medication with you, as we are unable to provide this for you.

The PET/CT scanner has a weight limit of 450 pounds.

36 hours before the exam:

- Do not take Metformin for 36 hours before this exam

24 hours before the exam:

- Drink plenty of fluids (8 8oz glasses or more), unless otherwise directed by your doctor. Avoid strenuous activities. For example: running, jogging, heavy lifting or other exercising for 24 hours
- If your test is scheduled later in the day you may eat a low carbohydrate meal up to 6 hours before your appointment. For example: Meat, eggs, cheese, vegetables. Do not eat breads, or cereal.

6 hours before the exam:

- Do not eat food, or chew gum.
- You may drink only water.
- You may take your regularly scheduled medication with water.
- Wear comfortable clothing with no metal and avoid wearing jewelry.

Diabetics:

Do not take your insulin the day of the exam. If needed, call your doctor for instructions for controlling your blood sugar due to this restriction.

Note: Your blood sugar level must be below 200mg/dL in order to have your PET/CT scan.

What should I expect?

- Plan on your appointment taking approximately 2 1/2 hours.
- Enter through the McLaren Main entrance. Check in at the Information Desk, and then take M elevator to Concourse level. Wait in the Hospital Registration area until called to a registration window. After completing registration, go down the ramp and turn left. Turn left again at the T in the hallway. Turn right at the end of the hall. There is a colored yellow block on the floor outside of the hallway leading to the waiting room for Nuclear Medicine & PET. Wait there until staff come for you.
- When you arrive in the nuclear medicine department, a nuclear medicine technologist will ask you a series of questions about your medical history. You will also have a blood test to measure the level of Glucose (sugar) in your blood before starting the test. If your blood sugar is too high (greater than 180 mg/dl), the test may need to be rescheduled.
- The technologist will start an I.V. line, which will be used to inject a radiotracer called ¹⁸F- FDG into a vein in your arm.
- You will be asked to relax in a quiet room after your injection while the radiotracer circulates in your body. (This will take 90 minutes.)
- You will be taken to an imaging room where your scan will be done.
- During imaging, you will need to lie very still to get the best possible images for your doctor.

If you have any questions: Please contact the Nuclear Medicine department at 231-487-4246. If you need to reschedule or cancel your appointment please give 24 hour notice.

PREGNANT: If you are or could be pregnant, please notify our Radiology Liaison at 231-487-7204. There is a chance that the exam may need to be rescheduled.

XR Arthrogram

ARRIVAL: Arrive 45 minutes prior to your appointment time. Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

PREP: You may eat and drink before this procedure.

MEDICATIONS TO HOLD: None. If on Coumadin or Warfarin, INR must be ≤ 3 .

Please call (231) 487-7326 if you have any questions.

Precautions/Contraindications

- **PREGNANCY:** If you are or could be pregnant, please contact your physician. Your exam may need to be rescheduled.
- **POOR RENAL (KIDNEY) FUNCTION:** Lab tests may be required.
- **ALLERGY:** If you have an allergic reaction to IODINE or IV CONTRAST contact your physician. You will need to be pre-medicated before having this exam.
- **DIABETIC PATIENTS:** If you are taking glucophage, glucovance, metaglip, metformin, actosplusmet, or avandamet do not take day of procedure or for 2 days after procedure.
- **BREAST FEEDING:** Patients that are breast feeding will not be allowed to do so for 48 hours after this procedure if you are given contrast material. It will take 48 hours for the contrast material to leave your body.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Barium Enema - Preparation Instructions

Please contact the radiology department (231-487-4182) for children less than 12 years of age.

You will need to purchase the following items from the pharmacy or store of your choice:

- 1 Magnesium Citrate Oral Solution bottle (10 oz.)
- 4 Dulcolax (Bisacodyl) Tablets
- 1 Dulcolax (Bisacodyl) Suppository

These products will cause you to have several liquid stools. Cleaning the waste out of your colon is important so we can identify any irregularities of your large intestines. Please contact your doctor if you experience problems with the prep or have any questions or concerns. Call 866-487-3100 to cancel.

You will need to begin the prep the day before your exam.

DAY BEFORE EXAM – Clear liquids for all meals (NO SOLID FOODS)

- 8:00 a.m. Clear liquid breakfast (see permitted clear liquids in box below)
- 9:00 a.m. Drink eight ounces (8 oz.) of water
- 11:00 a.m. Drink eight ounces (8 oz.) of water
- Noon Clear liquid lunch
- 1:00 p.m. Drink eight ounces (8 oz.) of water
- 2:00 p.m. Drink entire bottle of Magnesium Citrate (10 oz.)
- 4:00 p.m. Drink eight ounces (8 oz.) of water
- 5:00 p.m. Clear liquid supper
- 6:00 p.m. Swallow 4 Dulcolax (Bisacodyl) tablets with 8 oz. of water – Do not chew tablets
- 9:00 p.m. Drink eight ounces (8 oz.) of water
- 10:00 p.m. Drink eight ounces (8 oz.) of water

DAY OF EXAM

- Do not eat or drink anything after midnight – NO BREAKFAST
- Insert the suppository into your rectum two (2) hours before your exam and wait 10-15 minutes before going to the bathroom
- Take all prescribed medications - as directed – with a small sip of water
- Arrive in the radiology department 30 minutes prior to your appointment time
- You will **not** receive any sedation for this procedure

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

AFTER THE EXAM (continued on the next page)

AFTER THE EXAM (continued on next page)

You may eat and drink after the exam. The barium may make you constipated, so drink plenty of fluids and take an over the counter laxative if needed.

PERMITTED CLEAR LIQUIDS

It is okay to have transparent liquids such as: clear broth, bouillon, apple juice, water, white grape juice, black coffee, tea, Popsicles, soda pop, sports drinks and plain gelatin (not red & no added fruit).

LIQUIDS NOT PERMITTED: DAIRY PRODUCTS (MILK/CREAM), CREAMY DRINKS, ORANGE JUICE, LEMONADE, TOMATO JUICE, LIQUID CEREALS, SOUP THAT IS NOT A CLEAR BROTH

Barium Enema – Pediatric

PREP: Please contact the radiology department (231-487-4182) for children less than 12 years of age.

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

PREGNANT: If you are or could be pregnant, please contact your physician. Your exam may need to be rescheduled.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Esophogram

PREGNANT: If you are or could be pregnant, please contact your physician. Your exam may need to be rescheduled.

PREP: Do not eat or drink anything 2 hours prior to this procedure. Also, do not chew gum or suck on hard candy.

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

POST PROCEDURE: After this procedure you should take a laxative of your choice and drink plenty of liquids to help eliminate the barium. If you do not have a bowel movement within 3 days consult your family Physician.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

UGI/Esophogram Combo

PREGNANT: If you are or could be pregnant, please contact your physician. Your exam may need to be rescheduled.

PREP: Do not eat or drink anything after midnight, including the morning of your appointment. Also, do not chew gum or suck on candy.

Do not take any medications the morning of your appointment until your examination is completed. If necessary, please bring all medications with you to take when your examination is completed.

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

POST PROCEDURE: After this procedure you should take a laxative of your choice and drink plenty of liquids to help eliminate the barium. If you do not have a bowel movement within 3 days consult your family Physician.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Cystogram

PREGNANT: If you are or could be pregnant, please contact your physician. Your exam may need to be rescheduled.

PREP: There is no special preparation for this exam.

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

POST PROCEDURE: None

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Esophagram

PREGNANT: If you are or could be pregnant, please contact your physician. Your exam may need to be rescheduled.

PREP: Do not eat or drink anything, chew gum, or suck on candy for a minimum of 2 hours before the procedure.

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

POST PROCEDURE: After this procedure you should take a laxative of your choice and drink plenty of liquids to help eliminate the barium. If you do not have a bowel movement within 3 days consult your physician.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Esophagram Upper GI Combo

PREGNANT: If you are or could be pregnant, please contact your physician. Your exam may need to be rescheduled.

PREP: Do not eat or drink anything, chew gum or suck on candy after midnight, including the morning of your appointment.

Do not take any medications the morning of your appointment until your examination is completed. If necessary, please bring all medications with you to take when your examination is completed.

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

POST PROCEDURE: After this procedure you should take a laxative of your choice and drink plenty of liquids to help eliminate the barium. If you do not have a bowel movement within 3 days consult your family Physician.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Fluoro Guided Injection

PREGNANT: If you are or could be pregnant, please contact your physician. Your exam may need to be rescheduled.

PREP: There is no special preparation for this exam.

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Petoskey Campus: Enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

ALLERGY: If you have an allergic reaction to IODINE or IV CONTRAST contact your physician. You will need to be pre-medicated before having this exam since contrast will be injected.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

GI Tube Introduction

PREGNANT: If you are or could be pregnant, please contact your physician. Your exam may need to be rescheduled.

PREP: Do not eat or drink anything after midnight.

ARRIVAL: Arrive 45 minutes prior to your appointment time.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Hysterosalpingogram

PREP: There is no special preparation for this exam.

PREGNANT: If you are or could be pregnant, please contact your physician. The exam will be cancelled if there is a possibility of pregnancy.

ALLERGY: If you have an allergic reaction to IODINE or IV CONTRAST contact your physician. You will need to be pre-medicated before having this exam.

ARRIVAL: Plan to arrive 45 minutes prior to your test time.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

IVP- Preparation Instructions (2 pages)

Please refer to the IVP pediatric prep instructions for children less than 15 years of age.

You will need to purchase the following items from the pharmacy or store of your choice:

1 Magnesium Citrate Oral Solution bottle (10 oz.)

4 Dulcolax (Bisacodyl) Tablets

These products will cause you to have several liquid stools. Cleaning the waste out of your colon is important so we can identify any irregularities of your urinary system. Please contact your doctor if you experience problems with the prep or have any questions or concerns. Call 866-487-3100 to cancel.

Contraindications/precautions for this exam include pregnancy, poor renal function, allergies to IVP dye, diabetic medications, and breast feeding (please see page 2 of IVP prep).

You will need to begin the prep the day before your exam.

DAY BEFORE EXAM – Clear liquids for all meals (NO SOLID FOODS)

- 8:00 a.m. Clear liquid breakfast
- 9:00 a.m. Drink eight ounces (8 oz.) of water
- 11:00 a.m. Drink eight ounces (8 oz.) of water
- Noon Clear liquid lunch
- 1:00 p.m. Drink eight ounces (8 oz.) of water
- 2:00 p.m. Drink entire bottle of Magnesium Citrate (10 oz.)
- 4:00 p.m. Drink eight ounces (8 oz.) of water
- 5:00 p.m. Clear liquid supper
- 6:00 p.m. Swallow 4 Dulcolax (Bisacodyl) tablets with 8 oz. of water – Do not chew tablets
- 9:00 p.m. Drink eight ounces (8 oz.) of water
- 10:00 p.m. Drink eight ounces (8 oz.) of water

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

If you are scheduled for a IVP in the morning:

- Do not eat or drink anything after midnight
- Do not take any medications the morning of your appointment until after your IVP is completed

If you are scheduled for a IVP in the afternoon:

- Follow the day before exam prep. Then, you may have a clear liquid breakfast before 9 AM on the day of procedure. Nothing to eat or drink after 9 AM.
- Take any prescribed medications (except diabetic meds – see precautions below) before 9 AM - as directed.

PRECAUTIONS AND CONTRAINDICATIONS:

- **PREGNANCY:** If you are or could be pregnant, please contact your physician. Your exam may need to be rescheduled.
- **POOR RENAL (KIDNEY) FUNCTION:** Lab tests may be required
- **ALLERGY:** If you have an allergic reaction to IODINE or IV CONTRAST contact your physician. You will need to be pre-medicated before having this exam.
- **DIABETIC PATIENTS:** If you are taking glucophage, glucovance, metaglip, metformin, actosplusmet, or avandamet do not take day of procedure or for 2 days after procedure.
- **BREAST FEEDING:** Patients that are breast feeding will not be allowed to do so for 48 hours after this procedure if you are given contrast material. It will take 48 hours for the contrast material to leave your body.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

PERMITTED CLEAR LIQUIDS

It is okay to have transparent liquids such as: clear broth, bouillon, apple juice, water, white grape juice, black coffee, tea, Popsicles, soda pop, sports drinks and plain gelatin (not red & no added fruit).

LIQUIDS NOT PERMITTED: DAIRY PRODUCTS (MILK/CREAM), CREAMY DRINKS, ORANGE JUICE, LEMONADE, TOMATO JUICE, LIQUID CEREALS, SOUP THAT IS NOT A CLEAR BROTH

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

XR IVP Pediatric

PREP: 0-5 years of age.

- Do not eat or drink anything, or chew gum, for 3 hours prior to the examination.
- No solid foods on the day of the examination.

PREP: 6-15 years of age.

- Do not eat or drink anything, or chew gum, for 4 hours prior to the examination.
- No solid foods on the day of the examination.
- Use a Bisacodyl (Dulcolax) suppository in the early evening prior to the examination.
- Repeat the same dosage very early in the morning of the examination.

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

PRECAUTIONS AND CONTRAINDICATIONS:

- **PREGNANCY:** If you are or could be pregnant, please contact your physician. Your exam may need to be rescheduled.
- **POOR RENAL (KIDNEY) FUNCTION:** Lab tests may be required.
- **ALLERGY:** If you have an allergic reaction to IODINE or IV CONTRAST contact your physician. You will need to be pre-medicated before having this exam.
- **DIABETIC PATIENTS:** If you are taking glucophage, glucovance, metaglip, metformin, actosplusmet, or avandamet do not take day of procedure or for 2 days after procedure.
- **BREAST FEEDING:** Patients that are breast feeding will not be allowed to do so for 48 hours after this procedure if you are given contrast material. It will take 48 hours for the contrast material to leave your body.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Lumbar Puncture/ Intrathecal Injection/Cisternogram

ARRIVAL: Arrive 45 minutes prior to your appointment time. Please enter through the McLaren Main Entrance, sign in at the kiosk, take Elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

PREP: You may eat and drink before this procedure.

MEDICATIONS TO HOLD: None. If on Coumadin or Warfarin, INR must be ≤ 3 .

Please call (231) 487-7326 if you have any questions.

POST PROCEDURE:

- You will be recovering for two hours before leaving the hospital with minimal physical activity for the next 24 hours.
- You must have a driver to take you home after this procedure or the procedure will be cancelled.
- If you have a severe headache, contact your doctor or go to a local emergency room.

Precautions/Contraindications

- **PREGNANCY:** If you are or could be pregnant, please contact your physician. Your exam may need to be rescheduled.
- **POOR RENAL (KIDNEY) FUNCTION:** Lab tests may be required.
- **ALLERGY:** If you have an allergic reaction to IODINE or IV CONTRAST contact your physician. You will need to be pre-medicated before having this exam.
- **BREAST FEEDING:** Patients that are breast feeding will not be allowed to do so for 48 hours after this procedure if you are given contrast material. It will take 48 hours for the contrast material to leave your body.

Cisternogram: There is no prep for the test. This test requires coming to the hospital three days in a row. You must have a driver to take you home after the first visit or the test will be cancelled.

The radiopharmaceutical for your test must be ordered 48 hours in advance, so please call before that time if you need to cancel. Call the Nuclear Medicine department with any questions (231) 487-3214.

Day 1: Upon arrival, a radiopharmaceutical will be injected into the lumbar space (lumbar puncture) in the Radiology department.

Next, images will be taken in the Nuclear Medicine department 2 hours post injection.

At home, you should rest the remainder of the first day in a reclining position with your head elevated no higher than 30 degrees.

Day 2: In Nuclear Medicine, images will be taken 24 hours after the injection. Approx. 1 hour appointment

Day 3: In Nuclear Medicine, images will be taken 48 hours after the injection. Approx. 1 hour appointment

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Content spans 3 pages

What is a myelogram and Why was it ordered?

A myelogram is a procedure where contrast material (dye) is placed in the spinal canal to view the spinal canal, spinal cord and the spinal nerve roots. A myelogram also views the spine's vertebrae, disks, facet joints, as well as other parts of the spine's anatomy.

A myelogram is ordered when the physician is concerned that your spinal cord or spine nerves are compressed and this compression is not confidently visualized on the MRI or CT imaging study. A myelogram provides a different view of the spinal cord and the spinal nerves. It might be the only way compression on these structures can be clearly confirmed. Your physician may order a myelogram after surgery to help identify the cause of residual or new pain. A myelogram can also be obtained to evaluate for possible leakage of cerebral spinal fluid (CSF).

How is a myelogram procedure performed?

1. A clinician will discuss the procedure, potential risks and complications, and obtain consent.
2. Vital signs (heart rate, blood pressure, oxygen level, and temp) will be obtained.
3. An IV will be placed if you have a history of seizures, blood disorder, cancer, and/or allergy to contrast.
4. You will lay on your stomach with your back exposed. Your skin will be thoroughly cleansed with antiseptic solution.
5. Using fluoroscopy, a local anesthetic will be injected into the skin.
6. A spinal needle will be placed into the skin and the needle directed into the spinal canal through the dura matter into the area where the spinal nerves and CSF are. When the needle is in the thecal sac, a syringe and long extension tube containing the contrast material will be connected to the spinal needle. The contrast will be slowly injected into the thecal sac where the spinal fluid and contrast bathe the nerve roots and spinal cord.
7. After the contrast is injected, several x-rays will be taken to evaluate structures that may be indenting or compressing the spinal nerves or spinal cord.
8. Following the myelogram, a CT scan will be obtained to further evaluate spine structures that may be acting upon or compressing the spinal cord or spinal nerve roots.
9. After the myelogram, you will be transported to the post-op area for observation and monitoring of vital signs.

How do I prepare for a myelogram?

- Shower with antimicrobial soap prior to your procedure.
- There are no dietary restrictions.
- You must have a driver to drive you home after the procedure.
- Plan to be at the hospital for 4 hours.
- Bring your pain medications with you in the original prescription container.

- Notify your physician if you have any allergies to x-ray contrast (dye) materials, kidney problems, or are pregnant or breastfeeding.
 - If you have a known allergy to x-ray contrast material, you must be premedicated. Before the day of your test, contact the ordering physician to obtain an order for premedication.
- A nurse will call you to discuss the procedure.

ARRIVAL: Arrive 45 minutes prior to your appointment time. Please enter through the McLaren Main Entrance, sign in at the kiosk, take Elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

PREP: You may eat and drink before this procedure.

MEDICATIONS TO HOLD: None. If on Coumadin or Warfarin, INR must be ≤ 3 .

Please call (231) 487-7326 if you have any questions.

POST PROCEDURE:

- You will be recovering for two hours before leaving the hospital with minimal physical activity for the next 24 hours.
- You must have a driver to take you home after this procedure or the procedure will be cancelled.
- If you have a severe headache, contact your doctor or go to a local emergency room.
- Drink plenty of clear fluids to flush out the contrast material injected in the spinal canal and reduce your chance of a headache.

Precautions/Contraindications

- **PREGNANCY:** If you are or could be pregnant, please contact your physician. Your exam may need to be rescheduled.
- **BREAST FEEDING:** Patients that are breast feeding will not be allowed to do so for 48 hours after this procedure if you are given contrast material. It will take 48 hours for the contrast material to leave your body.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Skeletal Bone Survey Mets

PREGNANCY: If you are or could be pregnant, please contact your physician. Your exam may need to be rescheduled.

PREP: There is no special preparation for this exam.

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Cheboygan Campus: Please register at the Emergency Department entrance if you are having your testing done in Cheboygan.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take Elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Small Bowel

PREGNANCY: If you are or could be pregnant, please contact your physician. Your exam may need to be rescheduled.

PREP: Do not eat or drink anything after midnight, including the morning of your appointment. Also, do not chew gum or suck on candy.

Do not take any medications the morning of your appointment until your examination is completed. If necessary, please bring all medications with you to take when your examination is completed.

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take Elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

XR TMJ (Temporo-Mandibular Joints)

LOCATION: This exam is to be scheduled in x-ray room 4 in the Imaging department on the main level.

PREGNANCY: If you are or could be pregnant, please contact your physician. Your exam may need to be rescheduled.

PREP: None

ARRIVAL: Arrive 45 minutes prior to your appointment.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take Elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

T-Tube Cholangiogram

PREP: None

ARRIVAL: Arrive 45 minutes prior to your appointment.

Please enter through the McLaren Main Entrance, sign in at the kiosk, take Elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

Precautions/Contraindications

- **PREGNANCY:** If you are or could be pregnant, please contact your physician. Your exam may need to be rescheduled.
- **POOR RENAL (KIDNEY) FUNCTION:** Lab tests may be required.
- **ALLERGY:** If you have an allergic reaction to IODINE or IV CONTRAST contact your physician. You will need to be pre-medicated before having this exam.
- **DIABETIC PATIENTS:** If you are taking glucophage, glucovance, metaglip, metformin, actosplusmet, or avandamet do not take day of procedure or for 2 days after procedure.
- **BREAST FEEDING:** Patients that are breast feeding will not be allowed to do so for 48 hours after this procedure if you are given contrast material. It will take 48 hours for the contrast material to leave your body.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Upper GI

PREGNANCY: If you are or could be pregnant, please contact your physician. Your exam may need to be rescheduled.

PREP: Do not eat or drink anything after midnight, including the morning of your appointment. Also, do not chew gum or suck on candy.

Do not take any medications the morning of your appointment until your examination is completed. If necessary, please bring all medications with you to take when your examination is completed.

ARRIVAL: Please plan to arrive 45 minutes prior to your test time.

Petoskey Campus: Please enter through the McLaren Main Entrance, sign in at the kiosk, take Elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

POST PROCEDURE: After this procedure you should take a laxative of your choice and drink plenty of liquids to help eliminate the barium. If you do not have a bowel movement within 3 days consult your family Physician.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Loopogram

PREP: None

ARRIVAL: Arrive 45 minutes prior to your appointment.

Please enter through the McLaren Main Entrance, sign in at the kiosk, take Elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

PRECAUTIONS AND CONTRAINDICATIONS:

- **PREGNANCY:** If you are or could be pregnant, please contact your physician. Your exam may need to be rescheduled.
- **POOR RENAL (KIDNEY) FUNCTION:** Lab tests may be required.
- **ALLERGY:** If you have an allergic reaction to IODINE or IV CONTRAST contact your physician. You will need to be pre-medicated before having this exam.
- **DIABETIC PATIENTS:** If you are taking glucophage, glucovance, metaglip, metformin, actosplusmet, or avandamet do not take day of procedure or for 2 days after procedure.
- **BREAST FEEDING:** Patients that are breast feeding will not be allowed to do so for 48 hours after this procedure if you are given contrast material. It will take 48 hours for the contrast material to leave your body.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Upper GI and Small Bowel

PREGNANCY: If you are or could be pregnant, please contact your physician. Your exam may need to be rescheduled.

PREP: Do not eat or drink anything after midnight, including the morning of your appointment. Also, do not chew gum or suck on candy.

Do not take any medications the morning of your appointment until your examination is completed. If necessary, please bring all medications with you to take when your examination is completed.

ARRIVAL: Please plan to arrive 30 minutes prior to your test time.

Petoskey Campus: Enter through the McLaren Main Entrance, sign in at the kiosk, take Elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

POST PROCEDURE: After this procedure you should take a laxative of your choice and drink plenty of liquids to help eliminate the barium. If you do not have a bowel movement within 3 days consult your family physician.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Venogram Lower Extremity

PREP: Do not eat or drink anything 4 hours prior to your scheduled appointment time.

ARRIVAL: Arrive 45 minutes prior to your appointment time.

Enter through the McLaren Main Entrance, sign in at the kiosk, take Elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

PRECAUTIONS AND CONTRAINDICATIONS:

- **PREGNANCY:** If you are or could be pregnant, please contact your physician. Your exam may need to be rescheduled..
- **POOR RENAL (KIDNEY) FUNCTION:** Lab tests may be required.
- **ALLERGY:** If you have an allergic reaction to IODINE or IV CONTRAST contact your physician. You will need to be pre-medicated before having this exam.
- **DIABETIC PATIENTS:** If you are taking glucophage, glucovance, metaglip, metformin, actosplusmet, or avandamet do not take day of procedure or for 2 days after procedure.
- **BREAST FEEDING:** Patients that are breast feeding will not be allowed to do so for 48 hours after this procedure if you are given contrast material. It will take 48 hours for the contrast material to leave your body.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.

Video Swallow

PREGNANCY: If you are or could be pregnant, please contact your physician. Your exam may need to be rescheduled.

PREP: None

ARRIVAL: Arrive 45 minutes prior to your appointment time.

Petoskey Campus: Enter through the McLaren Main Entrance, sign in at the kiosk, take Elevator M to Concourse Level, and wait in the Hospital Registration area until called to the Registration window.

NEED TO CANCEL OR RESCHEDULE? Please call the Scheduling Department at 866-487-3100.

Thank you for choosing McLaren Northern Michigan for your healthcare needs.