

## **FL Myelogram**

To Schedule: (319) 861-7778

Questions about Procedure: (319) 398-6050

### **What is a Myelogram procedure?**

A myelogram is an X-ray study of the fluid-filled canal surrounding your spinal cord. Through a spinal tap (also called a lumbar puncture) in the lower back or in the neck, a water-soluble contrast medium (iodine) is injected into the space around the spinal cord. A myelogram is used to diagnose disc problems, spinal tumors, or spinal abscesses. The procedure takes about 1 hour. You will be required to arrive 1 ½ hours prior to the time of the exam and allow approximately 2 hours recovery time after procedure.

### **Preparation:**

1. Your doctor will give you specific instructions regarding preparation for the procedure and admittance to the hospital.
2. Depending on the routine orders for the exam, an IV (intravenous line) may be started by the nurse before the myelogram procedure to deliver extra fluids to your body.
3. Please inform your doctor before the exam if:
  - You are pregnant.
  - You have ever had a reaction to X-ray contrast media or any other substance containing iodine.
  - You have any allergies.
  - You are taking any medications - prescription or over the counter, especially anti-depressants or blood thinners.
4. You may eat solid foods up to 8 hours prior to your exam. Clear liquids up to 2 hours prior to the exam and nothing to eat or drink for the last 2 hours prior to the exam.

### **PLEASE BRING THE FOLLOWING TO YOUR APPOINTMENT:**

**A PHOTO ID TO VERIFY YOUR IDENTITY**

**A LIST OF CURRENT MEDICATIONS YOU ARE TAKING**

### **Procedure:**

1. The radiologist will explain the procedure thoroughly and have you sign a consent form for the exam.
2. The radiologist will perform a spinal tap and inject the contrast medium.
3. A sequence of images will be taken. The table you will be lying on is tilted to obtain all the views necessary for an accurate diagnosis.
4. After the myelogram is completed, you will be instructed to keep your head elevated and remain flat on your back.
5. A CT scan of your spine will follow your myelogram.

**Follow-Up:**

1. Upon returning to your Treatment Center room, you will be helped back to bed and instructed by your nurse about the proper position and activity you may resume.
2. You should drink extra fluids for at least 24 hours following the test.

**Parking/Registration:**

Park in the Mercy Medical Center 8<sup>th</sup> Street Parking Ramp, located at the corner of 8<sup>th</sup> Street and 8<sup>th</sup> Ave. SE. You will be pre-registered, so you can proceed to **Ground (G)** level and follow the signs to the "Treatment Center" also located on the Ground (G) level.

**Procedure Results (Who interprets the results):**

A radiologist will review the images shortly after the exam is completed. A written report will be sent to your doctor. Your doctor will discuss the results with you. Please allow your physician time to review these results, usually 2 business days after the exam.

**Your appointment date and time:**

Procedure date: \_\_\_\_\_

Procedure time: \_\_\_\_\_ (Please arrive 15 minutes early)

**Mercy/ St Luke's Imaging Services**  
**Blood Thinning Medications to be Held for Myelogram, Cisternogram,**  
**Lumbar Punctures, US Needle Procedures and Fluoro Joint Injections**

<b>Generic Name</b>	<b>Trade Name</b>	<b>Hold Medication For:</b>
Abciximab	Reopro	24 hours
Aspirin or other Aspirin containing medications		7 days <b>*Do not need to hold for joint injections</b>
Aspirin & Dipyridamole	Aggrenox	7 days
Cilostazol	Pletal	2 days
Clopidogrel	Plavix	7 days
Diclofenac	Voltaren	2 days
Diflunisal	Dolobid	24 hours
Dypyridamole	Persantine	2 days
Enoxaparin	Lovenox	24 hours, <b>longer if renal dysfunction</b>
Eptifibatide	Integrilin	4-8 hours, <b>longer if renal dysfunction</b>
Etodac	Lodine	1 ½ days
Fenoprofen	Nalfon	15 hours
Flurbiprofen	Ansaid	2 days
Fondaparinux	Arixtra	5 days minimum
Heparin		>4 hours for IV, >2 hours for SQ <b>*PTT required for IV Heparin only</b>
Ibuprofen	Motrin, Advil	24 hours
Indomethacin	Indocin	2 days
Meclofenamate	Meclomen	15 hours
Meloxicam	Mobic	4 days
Nabumatone	Relafen	5 days
Naproxen	Aleve, Anaprox, Naprosyn	2 days
Oxaprozin	Daypro	10 days
Pentoxifylline	Trental	2 days
Prasugrel	Effient	7 days
Sulindac	Clinoril	24 hours
Ticagrelor	Brilinta	7 days
Ticlopidine	Ticlid	14 days
Tirofiban	Aggrastat	4-8 hours, longer if renal dysfunction
Tolmentin	Tolectin	48 hours
Warfarin	Coumadin	5 days <b>*Recommend INR 1.4 or less before proceeding</b>

**Check with ordering physician regarding holding medications. If the ordering physician feels these medications may not be held, they must consult directly with a radiologist.**

**Mercy / St Luke's Imaging Services**  
**High Risk Medications to be Held for Myelogram and Cisternogram Exams**  
**(in addition to Blood Thinning Medication List)**

**The following high risk medications must be held for at least 48 hours prior to the procedure. They must also be held for at least 24 hours following the procedure. Check with the ordering physician regarding holding these medications. If the ordering physician feels that the patient may not be taken off these medications, they must consult directly with a radiologist.**

Amantadine (Symmetrel)	Methylphenidate (Daytrana)
Amitriptyline (Elavil)	Mirtazapine (Remeron)
Amitriptyline/chlordiazepoxide (Limbitrol DS)	Molindone (Moban)
Amitriptyline/perphenazine (Etrafon)	Nefazodone (Serzone)
Amoxapine (Asendin)	Nortriptyline (Pamelor, Aventyl)
Amphetamine	Olanzapine (Zyprexa)
Amphetamine mixture (Adderall)	Olanzapine (Fluoxetine Symbyax)
Aripiprazole (Abilify)	Paliperidone (Invega)
Bupropion (Wellbutrin, Zyban)	Paroxetine (Paxil)
Citalopram (Celexa)	Perphenazine (Trilafon)
Chlorpromazine (Thorazine)	Phenelzine (Nardil)
Clomipramine (Anafranil)	Pimozide (Orap)
Clozapine (Clozaril)	Procarbazine (Matulane)
Cycloserine (Seromycin)	Prochlorperazine (Compazine)
Cyclosporine (Sandimmune, Neoral)	Promazine (Sparine)
Desipramine (Norpramin)	Protriptyline (Vivactil)
Dexmethylphenidate (Focalin XR)	Pseudoephedrine
Dextroamphetamine (Dexedrine) etc	Quetiapine (Seroquel)
Doxapram (Dopram)	Rasagiline (Azilect)
Doxepin (Adapin, Sinequan)	Risperidone (Risperdal)
Duloxetine (Cymbalta)	Selegiline (Eldepryl, Zelapar)
Droperidol (Fentanyl)	Sertraline (Zoloft)
Ephedrine	Theophylline (Slo-bid, Theo-Dur)
Escitalopram (Lexapro)	Slo-Phyllin (Theochron)
Fentanyl (Duragesic)	Thioridazine (Mellaril)
Fluoxetine (Prozac)	Thiothixene (Navane)
Fluphenazine (Prolixin, Permitil)	Tramadol (Ultram)
Fluvoxamine (Luvox)	Tranylcypromine (Parnate)
Haloperidol (Haldol)	Trazodone (Desyrel)
Imipenem-cilastatin (Primaxin)	Trifluoperazine (Stelazine)
Imipramine (Tofranil)	Triflupromazine (Vesprin)
Isocarboxazid (Marplan)	Trimipramine (Surmontil)
Isoniazid	Venlafaxine (Effexor)
Lithium (Eskalith, Lithobid, Lithotabs)	Ziprasidone (Geodon)
Loxapine (Loxitane)	
Maprotiline (Ludiomil)	
Meperidine (Demerol)	
Mesoridazine (Serentil)	
Methamphetamine (Desoxyn)	
Methylphenidate (Ritalin)	

**Mercy / St Luke's Imaging Services**  
**Lower Risk Medications to be Held for Myelogram and Cisternogram Exams**  
**(in addition to Blood Thinning Medication List)**

**The following lower risk medications must be held for at least 48 hours prior to the procedure. They must also be held for at least 24 hours following the procedure. Check with the ordering physician regarding holding these medications. If the ordering physician feels that the patient may not be taken off these medications, they must consult directly with a radiologist.**

<b>Acetophenazine/</b> antipsychotic	<b>Buclizine /</b> antiemetic /antivertigo	<b>Dolmar /</b> contains caffeine
<b>Adphen/</b> appetite suppressant	<b>Buphenamine /</b> appetite suppressant	<b>Donepezil /</b> alzheiner adjunct
<b>Adipost/</b> appetite suppressant,	<b>Buffets/</b> caffeine	<b>Doribax /</b> gram(-) antibiotic
sympathomimetic (Systemic)	<b>Butalbital with Caffeine /</b> caffeine	<b>Doripenem /</b> antibiotic
<b>Alatrofloxacin/</b> antibacterial	<b>Butace /</b> contains caffeine	<b>Dothiepin /</b> antidepressant
<b>Aliskiren Hemifumarate/</b> antihypertensive/direct renal inhibitor	<b>Cafatine /</b> contains caffeine	<b>Dramamine /</b> antiemetic / antivertigo
<b>Amaphen/</b> barbituate	<b>Cafergot /</b> contains caffeine	<b>Dyrexan/</b> appetite suppressant
<b>Amrix/</b> muscle relaxer	<b>Cafetrade /</b> caffeine	<b>Endolor /</b> contains caffeine
<b>Anergan 50/</b> phenothiazine- derivative	<b>Caffeine I.V.</b>	<b>Entacapone /</b> antiparkansonian adjunct
<b>Anoquan/</b> analgesic/ barbituate	<b>Caffeine containing Medicines</b>	<b>Ercaf /</b> contains caffeine
<b>Anoxine AM/</b> phentermine	<b>Carbox /</b> antiparkanson adjunct	<b>Esgic /</b> contains caffeine
<b>Antiflex/</b> muscle relaxer	<b>Carisoprodol /</b> muscle relaxer	<b>EsgicPlus /</b> contains caffeine
<b>Antivert/</b> antiemetic/ antivertigo	<b>Cefepime /</b> cephalosporin	<b>Ethopropazine /</b> antidyskinectic /Parkinson adjunct
<b>Antizol/</b> antifreeze antidote	<b>Cerebyx/</b> anticonvulsant	<b>Excedrin /</b> contains caffeine
<b>Antrizine/</b> antihistamine	<b>Certolizumab/</b> antibody for Crohn's	<b>Exelon /</b> dementia adjunct
<b>Arcet/</b> contains caffeine	<b>Chlordiazepoxide /</b> phenothiazine	<b>Ezol /</b> contains caffeine
<b>Aricept /</b> dementia symptoms treatment adjunct	<b>Chlorprothixene /</b> antipsychotic	<b>Fastin /</b> phenothiazine
<b>Artane/</b> antidyskinectic/antie metic/antipsychotic	<b>Thioxanthenes</b>	<b>Femcet /</b> contains caffeine
<b>Atomoxetine/</b> selective norepinephrine reuptake inhibitor	<b>Chlorzoxazone/</b> muscle relaxer	<b>Fioricet /</b> contains caffeine
<b>Banaflex /</b> skeletal muscle relaxer	<b>Cidofovir /</b> antiviral	<b>Floralinal /</b> contains caffeine
<b>Bancap/</b> contains caffeine	<b>Cimzia /</b> antibody for Crohn's	<b>Flexeril /</b> muscle relaxer
<b>Banzei /</b> seizure adjunct	<b>Clorazepate /</b> CNS depressant	<b>Flexoject /</b> muscle relaxer
<b>Benzphetamine /</b> appetite suppressant	<b>Clorazpine /</b> antipsychotic	<b>Fomepizole /</b> antifreeze poisoning antidote
<b>Bismuth subcitrate</b>	<b>Cogentin /</b> antidyskinectic / antiemetic / antipsychotic	<b>Formoterol Fumaarate /</b> Inhalant
<b>Potassium/</b> mineral	<b>Cyclizine /</b> antiemetic / antivertigo agent	<b>Furazolidone /</b> antibacterial / antiprotozoan
<b>Bonine/</b> meclizine	<b>Cyclobenzaprine /</b> muscle relaxer	<b>Furoxone (same as</b> furazolidone)
<b>Bontril/</b> appetite suppressant	<b>Cylert /</b> ADHD agent	<b>Gelprin/</b> contains caffeine
<b>Bontril PDM/</b> appetite suppresant	<b>Dapex /</b> appetite suppressant	<b>Gen-Xene/</b> antianxiety
<b>Bortezomib /</b> antineoplastics	<b>Darvon Compound - 65 /</b> contain caffeine	<b>Goody powder/</b> Contains Caffeine
<b>Bucladin-S softab /</b> antiemetic antivertigo	<b>Desvenlafaxine Succinate /</b> antidepressant	<b>Inapsine /</b> antinauseous
<b>Bucet/</b> contains caffeine	<b>Dexedrin /</b> appetite suppressant	<b>Innovar /</b> antiemetic
	<b>DHC plus /</b> contains caffeine	<b>Ionamin /</b> phentermine
	<b>Didrex /</b> appetite suppressant	<b>Iproniazid /</b> MAO antidepressant
	<b>Diethylpropion /</b> appetite suppressant	<b>Lacosamide /</b> seizure adjunct / anticonvulsant
	<b>Dihydrocodone /</b> caffeine	<b>Largactil /</b> phenothiazine
	<b>Dital /</b> appetite suppressant	<b>Largon /</b> antidepressant
	<b>Dizac /</b> benzodiazepine	<b>Levoprome /</b> antipsychotic
	<b>Dizmiss /</b> antiemetic / antivertigo agent	<b>Levothyroxine /</b> thyroid hormone

**Marezine** / antiemetic /  
antivertigo  
**Maxipime** / cephalosporin  
**Mazanor** / appetite  
suppressant  
**Mazindol** / appetite  
suppressant  
**Meclizine** / antiemetic /  
antivertigo  
**Medigesic** / contains  
caffeine  
**Melfiat** / appetite  
suppressant  
**Menantine** / anti-alzheimers  
agent / dementia adjunct  
**Meni-D** / antiemetic /  
antivertigo  
**Mepergan** / contains  
phenothiazine  
**Mircera** / protein for anemia  
**Meridia** / appetite  
suppressant  
**Meropenem** / antibacterial  
**Merrem** / antibacterial  
**Metadate CD** / CNS  
stimulant  
**Metaxalone** / muscle  
relaxer  
**Methotrimeprazine** /  
antipsychotic  
**MioRel** / muscle relaxer  
**Modicate** / phenothiazine  
**Moditen** / phenothiazine  
**Mus-Lax** / muscle relaxer  
**Myolin** / muscle relaxer  
**Myotrol** / muscle relaxer  
**Nilotinib** / hydrochloride  
monohydrate/ chemotherapy  
**Norflex** / muscle relaxer  
**Norfranil** / tricyclic  
antidepressant  
**Norgesic** / muscle relaxer  
**Norgesic Forte** / analgesic  
/muscle relaxer  
**Obenix** / appetite  
suppresant  
**Obephen** / phentermine  
**Obermine** / phentermine  
**Obestin** / phentermine  
**Ondansetron** /  
antinauseous  
**Orflo** / muscle relaxer  
**Ormazine** / phenothiazine  
**Orphenadrine** / muscle  
relaxer  
**Orphenate** / muscle relaxer  
**Oxydess II** / appetite  
suppressant

**Paraflex** / skeletal muscle relaxer  
**Parafon Forte** /skeletal muscle  
relaxer  
**Parmine** / appetite suppressant  
**Parsidol** / antidyskentixs  
**Pegasys** / protein for hepatitis C  
**Pegintron** / protein for hepatitis C  
**Peginterferon Alfa-2b** / protein  
for hepatitis C  
**Pemoline** / CNS stimulant  
**Perforomist** / inhalant  
**Phenazine** / phenothiazine  
**Phencen** / phenothiazine  
**Phendimetrazine** / appetite  
suppressant  
**Phenergan** / phenothiazine  
**Phentermine** /appetite  
suppressant  
**Phentrol** / phenothiazine  
**Plegine** / appetite suppressant  
**Prelu-2** / appetite Suppressant  
**Pristiq** / antidepressant  
**Promethazine** / phenothiazine  
**Propiomazine** / tricyclic  
antidepressant  
**Propoxyphene Compound-65** /  
contains caffeine  
**Prothiaden** / tricyclic  
antidepressant  
**Prozine-50** / neuroleptic  
**Pylora** / antibody for Crohn's  
**Racemic Amphetamine** / sulfate  
amphetamine  
**Rebetol combo pack** / protein  
for hepatitis C  
**Remular** / skeletal muscle relaxer  
**Repan** / contains caffeine  
**Rexaphen** / appetite suppressant  
**Rexigen** / appetite suppressant  
**Ribavirin** / antiviral  
**Risperdal** / antipsychotic  
**Rivastigmine tartrate** /  
dementia adjunct  
**Rufinamide** / anticonvulsant  
**Ru-Vert-M** / antiemetic /  
antivertigo  
**Sanorex** / appetite suppressant  
**Sarafem** / antidepressant /  
antibulemic  
**Sedapac** / contains caffeine  
**Shogan** / phenothiazine  
**Sibutramine** / appetite  
suppressant  
**SK-Amitriptyline** / antipsychotic  
**SK-Pramine** / appetite  
suppressant  
**Skelaxin** / muscle relaxer  
**Soma** / muscle relaxer  
**Spancap** / appetite suppressant

**Sparfloxacin** / antibacterial  
**Strattera** / ADHD Adjunct  
**Sunitdinib malate**  
**Supac** / contains caffeine  
**Sutent** / cancer treatment  
**Synalgos-DC** / contains caffeine  
**Tasigna** / Chemotherapy  
**Tekturna** / antihypertensive /  
direct renal inhibitor  
**Tencet** / contains caffeine  
**Tencon** / contains caffeine  
**Tenuate** / appetite suppressant  
**Tenuate Dospan** / appetite  
suppressant  
**Thiethylperazine** /  
phenothiazine  
**Tindal** / antipsychotic  
**Tirosint** / Levothyroxine  
**Tizanidine** / CNS muscle relaxer  
**Torecan** / antiemetic  
**Tranxene** / antianxiety  
**Triad** / contains caffeine  
**Triapin** / contains caffeine  
**Trovan** / antibacterial  
**Trovan IV** / antibacterial  
**Trovofloxacin** / antibacterial  
**Two-Dyne** / contains caffeine  
**Ultiva** / opiod  
**Ultracet** / Analgesic  
**Vanquish** / contains caffeine  
**V-gan** / phenothiazine  
**Velcade** / antineoplastic  
**Verapamil-IV Only**  
**Vimpat** / antiepileptic  
**Vistaril** / phenothiazine  
**Vistide** / antiviral  
**Vyvanse** / amphetamine  
**Wigraine** / contains caffeine  
**Zaleplon** / sedative / hypnotic  
**Zanaflex** / antispasmodic  
**Zofran** / antiemetic  
**Zonalon** / antipruritic



## CT Cervical/Thoracic/Lumbar Spine

To Schedule: (319) 861-7778

Questions about Procedure: (319) 398-6050

701 10th Street SE  
Cedar Rapids, IA 52403-1292  
319 398-6011

### What is a CT Scan?

CT scanning—sometimes called CAT scanning—is a non-invasive, painless medical test that helps physicians diagnose and treat medical conditions.

CT imaging uses special X-ray equipment to produce multiple images or pictures of the inside of the body and a computer to join them together in cross-sectional views of the area being studied. The images can then be examined on a computer monitor or printed.

CT scans of internal organs, bone, soft tissues and blood vessels provide greater clarity than conventional X-ray exams.

Some CT scans require the injection of a contrast medium (iodine) in a vein. This provides an enhanced image of certain tissues of the body. A CT scan usually takes between 15-30 minutes.

### Preparation:

The various CT scans require little or no preparation. The exact preparation for the scan you are to have should be listed below. Please ask your nurse or call your doctor's office if you have any questions about the preparation.

Spine without IV Contrast: No preparation.

Spine with IV Contrast: Do not eat anything for 4 hours before the exam. Drink only clear liquids, such as plain jello, tea, fruit drinks without pulp, black coffee, and water. If you are over 50, diabetic or have high blood pressure, a blood test is needed before your scan. (See NOTE)

There are no special routines after the CT scan. You will be able to eat after the scan unless your doctor has indicated otherwise. The results of the scan will be sent to your doctor.

**NOTE:** If you are having an IV contrast for your CT exam, a lab blood test called serum creatinine is usually required if you are over 50, diabetic, or have high blood pressure. Check with your doctor's nurse. The blood test must be done within one month of the scan. It may be done on the same day of your exam.

### PLEASE BRING THE FOLLOWING TO YOUR APPOINTMENT:

**A PHOTO ID TO VERIFY YOUR IDENTITY**

**A LIST OF CURRENT MEDICATIONS YOU ARE TAKING**

**Parking/Registration:**

Park in the Mercy Medical Center 10<sup>th</sup> Street Parking Ramp, located at the corner of 10<sup>th</sup> Street and 8<sup>th</sup> Ave. SE. You will be pre-registered, so you can proceed to **Ground (G)** level and follow the signs to “Radiology (X-Ray),” also located on Ground (G) level.

**If you are having this procedure at the Mercy Health Plaza Imaging Center:**

The Imaging Center is located in the NE corner of the Plaza next to Galaxy Theatre, at 5264 Council St. NE. Park in front of the building. You will be pre-registered, so you can proceed to the Reception desk.

**Procedure Results (Who interprets the results):**

A radiologist will review the images shortly after the exam is completed. A written report will be sent to your doctor. Your doctor will discuss the results with you. Please allow your physician time to review these results, usually 2 business days after the exam.

**Your appointment date and time:**

Procedure date: \_\_\_\_\_

Procedure time: \_\_\_\_\_(Please arrive 15 minutes early)