



The Sound Medical Building
1591 Boston Post Road • Guilford, Connecticut 06437
203-453-5123 • www.guilfordradiology.com

PHYSICIAN QUICK REFERENCE GUIDE

Magnetic resonance cholangiopancreatography (MRCP)

Ordering Information:

Magnetic resonance cholangiopancreatography is a powerful method of evaluating the gallbladder, intra- and extra-hepatic bile ducts, as well as the pancreatic duct. Because of the extremely high soft tissue contrast of MRI, the fluid filled ducts of the biliary and pancreatic systems are highlighted on MRCP images. No contrast is needed for this study.

Physicians use MRCP to:

- Examine diseases of the gallbladder and bile and pancreatic ducts. These may include tumors, stones, inflammation or infection.
- Evaluate patients with pancreatitis to detect the underlying cause.
- To help diagnose unexplained abdominal pain.
- As a less invasive alternative to ECRP.

MRCP can produce images comparable to those obtained by a more invasive exam called ECRP.

Patient Preparation

If [claustrophobia](#) or anxiety is a problem, the referring physician may wish to prescribe a mild sedative to be given prior to the study. No other pre-visit preparation is necessary. Patients will need to remove all jewelry, hairclips, pony-tails and bobby pins. In addition, the patient will need to remove all clothing containing metal. This would include bras with metal enclosures and jeans with metal zippers and buttons. Your patient will be provided a gown and a secure locker in which valuables can be placed.

Patient Weight Limit

Our MRI equipment has a weight limit of 440 pounds.

CPT Codes

74181

Questions?

Please call Guilford Radiology at (860)453-5123 or West Haven Radiology at (860)934-4482 if you would like to speak with the on-site Radiologist, a technologist for the specific modality in which you are

Information adapted from www.radiologyinfo.org, reviewed and edited by Michael Crain, MD.

This manual is intended for use as merely a guideline for referring physicians and their staff only. It contains information pertaining to the most commonly ordered exams and indications. RAM Radiology does not recommend any particular examination. Individual radiologist preference or patient medical information may dictate ordering alternative studies.

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interested, or another member of our team. Or, [click here](#) for information on contacting our Physician Liaison Team, who will promptly respond to your questions.

Ready to Order a Test for your Patient?

Click [here](#) for our Requisition Form.

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General Information:

MR imaging uses a powerful magnetic field, radio frequency pulses and a computer to produce detailed pictures of organs, soft tissues, bone and virtually all other internal body structures. MRI does not use ionizing radiation (x-rays). Detailed MR images allow physicians to better evaluate various parts of the body and determine the presence of certain diseases that may not be assessed adequately with other imaging methods.

Contraindications

Patients with cardiac pacemakers, ICD, or neuro-stimulators CAN NOT have an MRI. Patients with pins, plates, screws and joint replacements, stents & filters can have an MRI as long as it has been 6 weeks since placement of the device. Women who are pregnant should avoid having an elective MRI. Women who are pregnant and need an MRI should be individually evaluated for risk vs. benefits and should avoid an MRI in the 1st trimester of pregnancy.

How Does Your Patient Prepare?

~~A current creatinine (within 45 days) is needed on all patients over the age of 60, as well as patients that have high blood pressure, diabetes, acute vascular disease, or a history of kidney disease. Please fax these results with the order.~~ Patients will need to remove all jewelry, hairclips, pony-tails and bobby pins. In addition, the patient will need to remove all clothing containing metal. This would include bras with metal enclosures and jeans with metal zippers and buttons. Your patient will be provided a gown and a secure locker in which valuables can be placed.

Risks

~~Although the strong magnetic field is not harmful in itself, implanted medical devices that contain metal may malfunction or cause problems during an MRI exam.~~

~~There is a very slight risk of an allergic reaction if contrast material is injected. Such reactions usually are mild and easily controlled by medication. If you experience allergic symptoms, a radiologist or other physician will be available for immediate assistance.~~

~~Nephrogenic systemic fibrosis is currently a recognized, but rare, complication of MRI believed to be caused by the injection of high doses of MRI contrast material in patients with very poor kidney function.~~

What Happens During the Test?

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Your patient will be asked to lie down on his back on the scanning table. The table will then slide into the scanning area. During the test, the MRI will make a rapid tapping noise. ~~Some MRI examinations may require an injection of contrast material into a vein in the arm.~~ Your patient's experience and comfort are of key importance. Therefore, our patients are offered earplugs or a music headset; in addition blankets are also available. Your patient should relax and remain still during the exam. Your patient should plan 60-90 minutes of total clinic time. The scan time can vary from 30-60 minutes depending on the study. Your patient may resume normal activities following the MRI.

The Results

A radiologist will analyze the images and send a signed report to the referring physician within 1 business day.

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