

NAME OF BLOCK	Radiodiagnosis
NAME OF ELECTIVE	Role of MRI
LOCATION OF HOSPITAL LAB OR RESEARCH FACILITY	Department of Radiodiagnosis, Dayanand Medical College And Hospital
NAME OF INTERNAL PRECEPTOR(S)	Dr. Amitoj Singh Sodhi
NAME OF EXTERNAL PRECEPTOR IF APPLICABLE	
LEARNING OBJECTIVES OF ELECTIVE	1. To understand MRI equipment and basic physics. 2. To understand important points of MRI safety guidelines and absolute contraindications. 3. To learn pre procedure patient preparation. 4. To understand indications and contraindications for various types of gadolinium contrast media . 5. To learn indications and identify common pathologies on MRI like acute stroke ,choledocholithiasis, common malignancies like HCC,RCC, Ca prostate & degenerative disc disease in spine.
List of activities of student participation	1. Participate in history taking 2. Participate in patient preparation and consent acquisition 3. To understand and observe reporting of common pathologies on MRI. 4. To present common imaging patterns atleast once per week in departmental meeting
Number of students that can be accommodated in this elective	Two

Prerequisites for elective	Understanding of basic physics of MRI and normal anatomy.
Learning Resources	Lecture, demonstration
Portfolio entries required	Case record of at least 20 patient of common pathologies undergoing MRI
Log book entry required	Satisfactory completion of posting by preceptor
Assessment	Attendance, Successful verification of required portfolio entries, Successful completion of the posting as certified in the log book with a “meets expectation ‘M’ grade

Introduction

This module is designed to help the students to learn the role and indications of MRI in various common pathologies. The student will also understand protection and safety in relation to magnetic resonance imaging..