

NAME OF BLOCK	Radiodiagnosis
NAME OF ELECTIVE	Conventional X-ray and special investigations
LOCATION OF HOSPITAL LAB OR RESEARCH FACILITY	Department of Radiodiagnosis, Dayanand Medical College And Hospital
NAME OF INTERNAL PRECEPTOR(S)	Dr. Devinderpal Singh Dhanota
NAME OF EXTERNAL PRECEPTOR IF APPLICABLE	
LEARNING OBJECTIVES OF ELECTIVE	1. To understand Xray and flouroscopic equipment and basic X-ray physics. 2. To understand important points of AERB guidelines about radiation protection and safety. 3. To learn pre procedure patient preparation. 4. To understand indications and contraindications for various types of contrast media . 5. To learn and understand common views used in Xray imaging of various body parts. 6. To understand and observe various radiographic procedures like barium swallow, Barium meal follow through ,Barium enema, intravenous pyelography, retrograde urogrpahy, micturating cystourogram, HSG, nephrostogram and DEXA scan. 7. To identify common pathologies on Xray like fractures of skull and face, rib fractures, fractures of limbs,pleural effusion,lung consolidation, pneumothorax, pneumoperitoneum, intestinal obstruction and bony lytic and sclerotic lesions. 8. To learn various indications of special radiographic procedures like achalasia cardia, , vesicoureteral reflux, urethral strictures and

	hydrosalpinx.
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 Xray and radiographic procedures. 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 Xray .
Learning Resources	Lecture, demonstration
Portfolio entries required	Case record of at least 50 patient of common pathologies undergoing Xray and radiographic procedures.
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 Xray and various radiographic investigations in various common pathologies. The student will also understand radiation protection and safety .