

X-Ray General - Details

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Exam Details - X-Ray General

Available at:

DC, Bethesda, Fairfax, Sterling and Chevy Chase

Used To:

- View bones and soft tissue

Why:

- Many reasons for exam

How:

- X-ray passes through the body and are detected by sensors
- The black, white, and gray on an image depends on the body part's mass and composition
- Bone contains calcium, which is dense tissue
- This does not allow much radiation to penetrate through, resulting in white images on the x-ray film
- Example: The lung filled with air allows nearly all radiation to strike the film, resulting in a black image
- This is useful in detecting fracture and destruction of bone structures

Machine:





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