

# Survey Series X-ray Guideline

## Bone Survey (Metastatic): Done for multiple myeloma and metastasis

- AP and LATERAL skull
- AP and LATERAL T-spine
- AP and LATERAL C-spine
- AP and LATERAL L-spine
- AP pelvis
- AP of all long bones - Humerus, forearms, femurs, and lower legs. Exclude hands and feet.
- PA Chest

## Bone Survey (Non-Accidental Trauma):

Image #	Projection/Anatomy	Special instructions
1	AP Skull	To include cervical spine
2	Lateral Skull	
3	AP Chest	To include sternum, ribs, thoracic and upper lumbar spine
4	Right Oblique Chest	
5	Left Oblique Chest	
6	Lateral Chest	
7	AP Pelvis	
8	AP Abdomen	
9	AP Left Femur	Center on the knee joint *
10	AP Right Femur	
11	AP Left Lower Leg	Center on the ankle joint *
12	AP Right Lower Leg	
13	AP Left Humerus	Center on the shoulder joint *
14	AP Right Humerus	
15	AP Left Forearm	Center on the elbow joint *
16	AP Right Forearm	
17	AP Left Wrist	
18	AP Right Wrist	
19	PA Left Hand	
20	PA Right Hand	
21	Lateral Lumbosacral spine	
22	AP Left Foot	
23	AP Right Foot	

\*The centering on the joint is crucial to visualize fractures in the epiphyseal plate which can occur in these young patients. Center on the joint and then ensure that there is overlap within the long bone portion (e.g. center on shoulder joint for humerus and cone to mid-shaft, then when doing the forearm center on elbow, but include the distal portion of humerus that was not included on the proximal image).

## Bone Survey (Metabolic):

- LATERAL Skull
- AP both shoulders (light enough to see distal clavicles well)
- PA both hands
- AP both feet
- LATERAL Thoraco-lumbar spine
- AP Pelvis
- AP and LATERAL C-spine
- KUB
- PA Chest