

Musculoskeletal imaging recommendations for MPS disorders⁴

Imaging study	Initial assessment	Yearly	Comments
Cervical spine Flexion/extension lateral radiographs MRI	● ●	●	Follow neurological exam yearly, with repeat radiographs every 3–5 years.
Thoracolumbar spine AP/lateral 36-inch cassette radiographs MRI CT scan	● ●	●	Exams are less frequent as growth slows. Further exams warranted only with change in neurological exam. Primarily warranted for preoperative evaluation.
Hips/pelvis AP pelvis	●	●	
Lower extremities Standing AP radiographs	●		Further exams warranted based on clinical exam.
Skeletal survey AP/lateral skull AP/lateral spine AP pelvis AP forearms AP hands AP feet Lateral cervical spine	● ● ● ● ● ● ●		

Adapted from White, *Rheumatology*, 2011.

Abbreviations: AP, anteroposterior; CT computed tomography; MRI, magnetic resonance imaging.