

## Orthopedic manifestations of MPS<sup>1</sup>

	MPS I-H	MPS I-H/S, MPS I-S	MPS II	MPS III	MPS IV	MPS VI	MPS VII
Cervical stenosis	+	+	±	—	+	++	?
Occipitocervical instability	±	—	—	—	++	++	?
Thoracolumbar kyphosis	++	—	±	—	+	±	?
Scoliosis	+	—	±	±	—	—	?
Hip dysplasia	++	—	±	—	±	+	?
Proximal femoral epiphyseal dysplasia	±	—	±	+	++	+	?
Genu valgum	+	—	—	±	++	—	?
Carpal tunnel syndrome	+	++	+	—	—	±	?

— Not reported   ± Rare   + Common   ++ Frequent   ? Unknown

Adapted from White, *J Am Acad Orthop Surg*, 2013.

Abbreviations: MPS, mucopolysaccharidoses; MPS I-H, Hurler syndrome; MPS I-H/S, Hurler-Scheie syndrome; MPS I-S, Scheie syndrome.

**Reference: 1.** White KK, Sousa T. Mucopolysaccharide disorders in orthopaedic surgery. *J Am Acad Orthop Surg*. 2013;21:12-22. doi:10.5435/JAAOS-21-01-12.