

Common neurological features of MPS by subtype⁶

Neurologic findings	MPS I-H	MPS I-H/S	MPS I-S	MPS II, rapidly progressing	MPS II, slowly progressing	MPS III	MPS IV	MPS VI	MPS VII
Developmental delay	++	+	—	++	—	++	—	—	++
Behavioral disturbances	—	—	—	++	—	++	—	—	—
Seizures	—	—	—	++	—	++	—	—	+
Hydrocephalus	++	+	—	++	+	++	+	++	—
Brain atrophy	+	—	—	++	—	++	—	—	—
Arachnoid cysts	+	+	+	+	+	+	—	+	—
Cystic lesions	++	+	+	++	+	+	—	++	—
Sensorineural deafness	++	++	++	++	++	++	+	++	+
Papilledema/optic atrophy	++	++	—	++	++	+	—	++	+
C1-C2 sublux/cord comp	+	—	—	—	—	—	++	+	+
Pachymeningitis cervicalis	+	++	+	—	+	—	—	++	—
Carpal tunnel syndrome	++	++	++	++	++	—	+	++	—

++ Common + Frequent — Rare or unreported

Adapted from Kakki, *Principles of Child Neurology*, 1996.

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