

**Common neurological features of MPS by subtype**<sup>13</sup>

<b>Neurologic findings</b>	<b>MPS I-H</b>	<b>MPS I-H/S</b>	<b>MPS I-S</b>	<b>MPS II, severe</b>	<b>MPS II, mild</b>	<b>MPS III</b>	<b>MPS IV</b>	<b>MPS VI</b>	<b>MPS VII</b>
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 Kakkis, *Principles of child neurology*, 1996.

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