

## Scoring severity of spinal MRI findings<sup>1</sup>

| <i>Cervical MRI</i>                            | <i>Findings</i>  |
|--|--|
| Odontoid hypoplasia                            | Not present<br>Present   |
| Periodontoid soft tissue mass                  | Not present<br>Present   |
| Posterior longitudinal ligament hypertrophy    | Not present<br>Present   |
| Subluxation C1-C2                              | Not present<br>Present   |
| Intraspinal compromise                         | 1 = Subarachnoid space involvement without spinal cord insult<br>2 = Spinal cord compression without signal changes<br>3 = Spinal cord compression with T2 hyperintense area |
| <i>Thoracolumbar MRI</i>                       | <i>Findings</i>  |
| Beaked vertebra                                | Not present<br>Present   |
| Concavity of the vertebral body posterior wall | Not present<br>Present   |
| Kyphosis                                       | Not present<br>Present   |
| Intaspinal compromise                          | 1 = Spinal canal narrowing without roots or medullary cone involvement<br>2 = Spinal canal narrowing with roots stretching due to bone changes                               |

Adapted from Lachman, *J Pediatr Rehabil Med*, 2010.

Abbreviations: MPS, mucopolysaccharidoses; MRI, magnetic resonance imaging.

**Reference: 1.** Lachman R, Martin KW, Castro S, Basto MA, Adams A, Teles EL. Radiologic and neuroradiologic findings in the mucopolysaccharidoses. *J Pediatr Rehabil Med*. 2010;3(2):109-118. doi:10.3233/PRM-2010-0115.