

Anesthetic risk: levels and causes ¹

<i>MPS</i>	<i>Risk level</i>	<i>Multisystem impairment</i>
I-H (Hurler) II (Hunter)	Very high High	<ul style="list-style-type: none">• Potential obstruction of the upper airway• Difficult intubation• Presence of thick secretion in the airway• Possible cardiac impairment• Possible odontoid hypoplasia
I-S (Scheie) I-H/S (Hurler–Scheie)	Mildly high High	<ul style="list-style-type: none">• Typical problems of I-H (I-H/S)• Risk of postoperative apnea• Heart disease (in particular aortic insufficiency)
III (Sanfilippo)	Generally not increased	
IV (Morquio) VII (Sly)	Very high	<ul style="list-style-type: none">• Odontoid hypoplasia• Difficult intubation• Possible alteration of the rib cage• Possible aortic insufficiency
VI (Maroteaux-Lamy)	High	<ul style="list-style-type: none">• Cardiomyopathy• Severe kyphoscoliosis• Thrombocytopenia• Possible odontoid hypoplasia• Delayed awakening

Adapted from Spinello, *ISRN Anesthesiol*, 2013.

Reference: 1. Spinello CM, Novello LM, Pitino S, et al. Anesthetic management in mucopolysaccharidoses [review]. *ISRN Anesthesiol*. 2013;2013:1-10. doi:10.1155/2013/791983.