

Title: Leukodystrophy Overview *GeneReview* Table 12

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Table 12. Disorders with Spinal Cord Involvement on MRI

Feature	Inherited Disorder/Condition		Acquired Disorder/Condition
	Leukodystrophy	Not Leukodystrophy	
Spinal cord involvement	<ul style="list-style-type: none"> • Alexander disease • ADLD ¹ • CTX ² • LBSL ³ • ODDD ⁴ (atrophy) • PGBD ⁵ (cervical cord atrophy) 	<ul style="list-style-type: none"> • ADEM ⁶ • Hereditary homocystinurias • Mitochondrial defects • MS ⁷ • NMO ⁸ 	<ul style="list-style-type: none"> • Vacuolar myelopathy related to HIV infection • Vitamin B₁₂ deficiency and defects in its metabolism

Note: Disorders are ordered alphabetically.

'Spinal cord involvement' usually refers to spinal cord white matter abnormalities, but in some instances can also refer to spinal cord atrophy.

1. AD adult-onset leukodystrophy
2. Cerebrotendinous xanthomatosis
3. Leukoencephalopathy with brain stem and spinal cord involvement and lactate elevation
4. Oculodentodigital dysplasia
5. Polyglucosan body disease
6. Acute disseminated encephalomyelitis
7. Multiple sclerosis
8. Neuromyelitis optica