Title: Leukodystrophy Overview GeneReview Table 4

Authors: Vanderver A, Tonduti D, Schiffmann R, Schmidt J, Van der Knaap M

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Table 4. Disorders with Calcium Deposits and Hemosiderin Deposits on MRI

Feature		Inherited Disorder/Condition		Acquired
		Leukodystrophy	Not Leukodystrophy	Disorder/ Condition
Calcium deposits	Common	 AGS ¹ CRMCC ² RNAse T2-deficient leukoencephalopathy Krabbe disease ³ 	BLCPMG ⁴ Cockayne syndrome & trichothiodystrophy Collagen IV A1 and A2 defects HPABH4C ⁵ and PKU ⁶ variants Fabry disease JAM3-associated disorders Mitochondrial encephalopathies Multiple carboxylase deficiency Spondyloenchondrodysplasia	 Congenital cytomegalovirus infection Congenital HIV encephalopathy Congenital toxoplasmosis Perinatal hypoxicischemic brain damage Vasculopathies, acquired
	More rare	 Alexander disease ODDD ⁷ X-ALD ⁸ 	Molybdenum cofactor deficiency & isolated sulfite oxidase deficiency	
Hemosiderin deposits			 CADASIL 9 CARASIL 10 Collagen IV A1 defect Fabry disease JAM3-associated disorders 	Amyloid angiopathyArterio(lo)sclerosisVasculitis

Note: Disorders are ordered alphabetically.

- 1. Aicardi-Goutières syndrome
- 2. Cerebroretinal microangiopathy with calcifications and cysts; this disorder now appears to be distinct from Coats plus caused by mutations in *CTC1*, encoding conserved telomere maintenance component 1.
- 3. CT may reveal diffuse hyperdensity of the basal ganglia of unknown cause.
- 4. Band-like calcification with simplified gyration and polymicrogyria
- 5. BH4-deficient hyperphenylalaninemia C
- 6. Phenylketonuria
- 7. Oculodentodigital dysplasia
- 8. X-linked adrenoleukodystrophy
- 9. Cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy
- 10. Cerebral autosomal recessive arteriopathy with subcortical infarcts and leukoencephalopathy