

On-line Table: Patients with aspartylglucosaminuria and their MR imaging findings

Patient	Age (yr)	Sex	SWI Findings, SI Decrease	Other MR Imaging Findings
1	7.4	M	Pulvinar ↓, anterior and medial nuclei ↓	T2 SI ↓ in thalami, mild T2 SI ↑ in deep and periventricular WM, frontotemporal areas of poor differentiation between GM and WM, thin CC, small pineal cyst
2	7.9	F	Pulvinar ↓↓, anterior and medial nuclei ↓	T2 SI ↓ in thalami and ↓↓ in pulvinar, mild T2 SI ↑ in WM, FLAIR SI ↑ in periventricular WM, frontotemporal areas of poor differentiation between GM and WM, thin CC, small pineal cyst, CVI, mildly dilated PVSs
3	8.6	M	Pulvinar ↓, anterior and medial nuclei ↓	T2 SI ↓ in thalami and ↓↓ in pulvinar, T2 SI ↑ in deep and periventricular WM, FLAIR SI ↑ in periventricular WM, temporal areas of poor differentiation between GM and WM, thin CC, pineal cyst of 17 mm
4	8.8	F	Pulvinar ↓↓, anterior and medial nuclei ↓	T2 SI ↓ in thalami and ↓↓ in pulvinar, T2 SI ↑ in deep and periventricular WM, FLAIR SI ↑ periventricular WM, frontotemporal areas of poor differentiation between GM and WM, thin CC, mild cerebellar atrophy
5	9.5	M	Pulvinar ↓↓, anterior and medial nuclei ↓↓	T2 SI ↓ in thalami and ↓↓ in pulvinar, mild T2 SI ↑ in WM, FLAIR SI ↑ in periventricular WM, frontotemporal areas of poor differentiation between GM and WM, thin CC, small pineal cyst
6	11.4	F	Pulvinar ↓↓, anterior and medial nuclei ↓↓	T2 SI ↓ in thalami and ↓↓ in pulvinar, T2 SI ↑ in WM, FLAIR SI ↑ in periventricular WM, frontotemporal areas of poor differentiation between GM and WM, thin CC, pineal cyst of 15 mm, mildly dilated PVSs, MCM
7	11.4	M	Pulvinar ↓↓, anterior and medial nuclei ↓↓, globus pallidus medial aspect ↓	T2 SI ↓ in thalami and ↓↓ in pulvinar, T2 SI ↑ in WM, FLAIR SI ↑ in periventricular WM, frontotemporal areas of poor differentiation between GM and WM, rather thin CC
8	11.5	M	Pulvinar ↓↓, anterior and medial nuclei ↓, globus pallidus medial aspect ↓, substantia nigra ↓	T2 SI ↓ in thalami and ↓↓ in pulvinar, mild T2 SI ↑ in WM, mild FLAIR SI ↑ in periventricular WM, frontotemporal areas of poor differentiation between GM and WM, dilated PVSs
9	11.7	F	Pulvinar ↓↓, anterior and medial nuclei ↓, globus pallidus ↓, substantia nigra ↓	T2 SI ↓ in thalami and ↓↓ in pulvinar, mild T2 SI ↑ in WM, mild FLAIR SI ↑ in periventricular WM, frontotemporal areas of poor differentiation between GM and WM, rather thin CC, dilated PVSs
10	13.8	M	Pulvinar ↓↓, anterior and medial nuclei ↓↓, globus pallidus medial aspect ↓, substantia nigra ↓	T2 SI ↓ in thalami and ↓↓ in pulvinar, mild T2 and FLAIR SI ↑ in deep WM, temporal areas of poor differentiation between GM and WM, thin CC, small pineal cyst, MCM
11	14.2	F	Pulvinar ↓↓, anterior and medial nuclei ↓↓, globus pallidus medial aspect ↓, substantia nigra ↓	T2 SI ↓ in thalami and ↓↓ in pulvinar, mild FLAIR ↑ in periventricular WM, temporal areas of poor differentiation between GM and WM, mild widening of cortical sulci, CVI
12	14.5	F	Pulvinar ↓↓, anterior and medial nuclei ↓↓	T2 SI ↓ in thalami and ↓↓ in pulvinar, mild T2 SI ↑ in deep WM, temporal areas of poor differentiation between GM and WM (some motion artifacts), thin CC, pineal cysts, mild dilation of lateral and third ventricles
13	15.0	M	Pulvinar ↓↓, anterior and medial nuclei ↓↓, globus pallidus medial aspect ↓, substantia nigra ↓	T2 SI ↓ in thalami and ↓↓ in pulvinar, mild T2 SI ↑ in deep WM, mild FLAIR SI ↑ in periventricular and deep WM, temporal areas of poor differentiation between GM and WM, dilated PVSs in brain stem, rather thin CC, small pineal cyst
Mean age, 11.2 ± 2.5		6 F, 7 M		

Note:—↓ indicates mild decrease; ↓↓, marked decrease; ↑, increase; CVI, cavum veli interpositi; PVSs, perivascular spaces; MCM, mega cisterna magna; CC, corpus callosum.