

On-line Table: Literature review of MR imaging features in WSS

Reference	Clinical and Laboratory				MRI Findings
	Sex	Age (Yr)	Neurologic	Endocrine	
Schneider and Bhatia, 2008 ⁵	F	22	Mental retardation-dystonia	Primary amenorrhea, alopecia, DM 2	Not available
	M	36	Dystonia (appendicular and axial)	DM 2	Multiple parietal WM signal foci with some confluent lesions
Steindl et al, 2010 ¹¹	M	58	Cognitive impairment, deafness, dystonia with pyramidal signs	Hypogonadism, alopecia, DM 2	Extensive homogeneous cerebral and cerebellar WM enhancement
Agopiantz et al, 2014 ¹³	F	19	Severe intellectual disability, dysarthria, and swallowing disorder	Primary amenorrhea, frontotemporal alopecia, low ILGF-1, DM 2	Normal
Abdulla et al, 2015 ⁶	F	17	Moderate intellectual disability-dystonia-dysarthria	Primary amenorrhea-frontotemporal alopecia-DM 2	Normal
	F	40	Sensorineural hearing loss, no extrapyramidal signs	Alopecia totalis, uterine hypoplasia, primary amenorrhea	Periventricular and centrum semiovale bilateral WM changes
Hdiji et al, 2016 ⁹	F	34	Sensorineural hearing loss, no extrapyramidal signs	Alopecia totalis and diabetes	Periventricular and centrum semiovale bilateral WM changes
	M	32	Sensorineural hearing loss, no extrapyramidal signs	Alopecia totalis and diabetes	Not available
	F	25	Generalized dystonia-mild mental retardation	Hypogonadotropic hypogonadism and uterine hypoplasia	T2 hypointensities of the globus pallidi without WM changes

Note:—DM indicates diabetes mellitus; ILGF-1, insulin-like growth factor-1.