

Web table: Pathological conditions that reportedly cause laughter

Condition	Frequency (%)*
Epilepsy	37
Cerebral tumours including hamartomata, cysts, malformations, vascular abnormalities, infections	25
Angelman's syndrome	9.5
Strokes	7.0
Multiple sclerosis	5.1
Amyotrophic lateral sclerosis/motor neuron disease	4.7
Adverse drug reactions	2.0
Dementias, including Alzheimer's disease	1.7
Fou rire	1.5
Cortical dysplasia	1.1
Pick's disease	1.0
Infantile spasms	0.9
Electric stimulation	0.9
Alpha-thalassaemia, Bardet–Biedl syndrome, Behçet's disease, central pontine myelinolysis, cranial nerve diseases, Creutzfeldt–Jakob disease, developmental delay, gelastic syncope, infantile spasms, involuntary emotional expression disorder, kuru, mental retardation, multiple system atrophy, paroxysmal kinesigenic dyskinesia, progressive supranuclear palsy, Rett's syndrome, succinate lyase deficiency, Tourette's syndrome, trauma, voltage-gated potassium channel antibodies, Williams' syndrome, Wilson's disease	1–5 reported cases each

*1335 reported cases