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|--|---------------------|---------------------|-------------------|-------------------|------------------|------------------|-------------------|---|-------------------|---|---|
| (typical+atypical/ could be either)Absence seizures | 1/168 (0.6%) | - | 37 (55.2%) | - | - | 1/11 (9.09%) | - | - | - | - | - |
| Status epilepticus at onset /in evolution | - | 188/235 (80%) | 52 (77.6%) | 33/37 (89.19%) | 7/15 (46.67%) | 8/11 (72.73%) | - | - | 5/14 (35.71%) | - | - |
| Electrophysiology | | | | | | | | | | | |
| - interictal EEG | 38/88 (43.18%) | - | - | 37/37 (100%) | - | - | - | - | - | - | - |
| Seizure-inducing factors | | | | | | | | | | | |
| Fever | 134/167 (80.24%) | 134/230 (58.26%) | 58 (86.6%) | 37/37 (100%) | 17/17 (100%) | 8/11 (72.73%) | - | - | 7/14 (50%) | - | - |
| Infections | - | - | - | - | - | - | - | - | - | - | - |
| Vaccines | - | 17/230 (7.39%) | - | - | - | - | - | - | - | - | - |
| Intellectual disability | - | - | 63/67 (94.03%) | 32/37 (86.48%) | 6/10 (60%) | 7/11 (63.64%) | 80.5% | - | - | - | - |
| Global developmental delay | - | - | 66/66 (100%) | - | 4/16 (25%) | - | - | - | 13/14 (92.85%) | - | - |
| Speech delay / no speech | - | - | 31/58 (53.45%) | - | - | 2/11 (18.19%) | 54/91 (59.34%) | - | - | - | - |
| Behavioral issues | - | 98/213 (46.01%) | - | 21/37 (56.75%) | - | 2/11 (18.19%) | NA | - | - | - | - |
| Motor delay | - | 77/214 (35.98%) | 66/66 (100%) | 37/37 (100%) | 1/14 (7,14%) | 5/11 (45.45%) | 57/91 (62.64%) | - | - | - | - |
| Abnormal brain MRI | - | 22/200 (11%) | - | 13/36 | - | 1/11 (9.09%) | - | - | - | - | - |
| Normal Brain MRI | - | 0.89 | - | 23/36 (64%) | - | - | - | - | - | - | - |

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| Brain atrophy | - | 7/22 (31.82%) | - | 5/36 (13.88%) | - | - | - | - | - | - | - |
| Familial history of seizures / epilepsy | 111/199 (55.78%) | 65/223 (29.15%) | 25/67 (37.31%) | 16/35 (46%) | - | 4/11 (36.36%) | - | - | - | - | - |
| Genetic diagnosis method | sequencing; next gen amplicon sequencing, confirmed by Sanger sequencing; mutation negative samples - MLPA | standard sequencing; mutation negative samples - MLPA | direct sequencing; mutation negative samples - MLPA | DHPLC, MLPA | direct sequencing, MLPA | Sanger sequencing, segregation analysis | NA | NGS - various gene panels | custom-designed 104-gene epilepsy panel; Sanger sequencing and MLPA of 10 genes | fluorescence-based competitive allele-specific (KASPar) assay | NGS - clinical WGS |

* for cases with SCN1A mutations

* for genetically diagnosed cases

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