

# Non-Seizure Symptoms of Lennox-Gastaut Syndrome

In addition to the seizures that are the hallmark of Lennox-Gastaut syndrome (LGS), there are numerous non-seizure symptoms that occur in most patients. These symptoms can have a major impact on patient well-being and the quality of life of both patients and their caregivers.<sup>1</sup> Read more about the non-seizure symptoms of LGS below.



## COGNITIVE<sup>1,2</sup>

- Intellectual disability occurs in 75% to 95% of children with LGS, with impairment worsening over time
- Some level of cognitive impairment is required for diagnosis
- Communication difficulties (both verbal and non-verbal)



## BEHAVIORAL AND MOOD<sup>1,3,4</sup>

- Hyperactivity (ADHD), aggression, and autistic traits
- Behavioral issues worsen with age, particularly in adolescence
- Anxiety/depression
- Sleep disorders exacerbated by nocturnal seizures



## MOTOR AND MOBILITY<sup>5</sup>

- Staggered gait, difficulty walking
- Some individuals require mobility support, such as a wheelchair
- Challenges in feeding, dressing, and caring for self
- Dysphagia increasing with age



## DEATH<sup>6,7</sup>

- Sudden unexpected death in epilepsy (SUDEP) is the main contributor to early mortality
- Nearly 14-fold increase in death compared to peers
- True extent of mortality may be underestimated due to underdiagnosis

## References

1. Marchese F, Cappelletti S, Filippini M, et al. Comorbidities in Dravet syndrome and Lennox-Gastaut syndrome. *SN Compr Clin Med*. 2021;3(10):2167-2179.
2. Jahngir MU, Ahmad MQ, Jahangir M. Lennox-Gastaut Syndrome: in a nutshell. *Cureus*. 2018;10(8):e3134.
3. Glauser TA. Following catastrophic epilepsy patients from childhood to adulthood. *Epilepsia*. 2004;45(Suppl 5):23-26.
4. Camfield PR, Gibson PA, Douglass LM. Strategies for transitioning to adult care in patients with Lennox-Gastaut syndrome and related disorders. *Epilepsia*. 2011;52:21-27.
5. Cross JH, Auvin S, Falip M, et al. Expert opinion on the management of Lennox-Gastaut syndrome: treatment algorithms and practical considerations. *Front Neurol*. 2017;8:505.
6. Sullivan J, Beneitez A, Roth J, et al. A systematic literature review on the global epidemiology of Dravet syndrome and Lennox-Gastaut syndrome: prevalence, incidence, diagnosis, and mortality. *Epilepsia*. 2024;65(5):1240-1263.
7. Autry AR, Trevathan E, Van Naarden Braun K, Yeargin-Allsopp M. Increased risk of death among children with Lennox-Gastaut syndrome and infantile spasms. *J Child Neurol*. 2010;25(4):441-447.