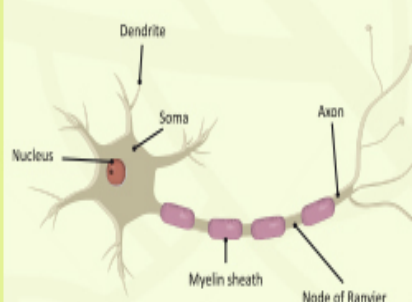


# Characteristics Of Muscle Twitches

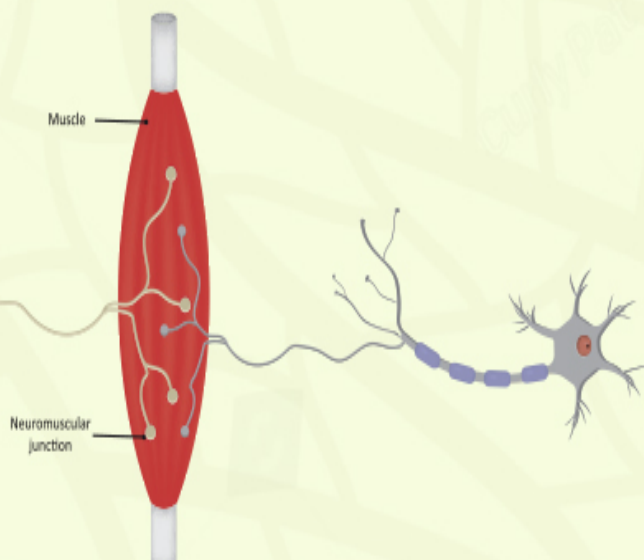


## And Functions In ALS

Healthy Neuron



Damaged Neuron



Muscle twitches in ALS are not painful

Inability to move and muscle weakness

Tongue muscle twitching

Fasciculation or persistent  
muscle twitches

Muscle group twitches interfere with  
normal life and simple tasks, such as  
tying shoe laces or buttoning clothes

## References

1. What is Amyotrophic Lateral Sclerosis (ALS)?; Penn Medicine
2. Amyotrophic Lateral Sclerosis (ALS); Muscular Dystrophy Association