

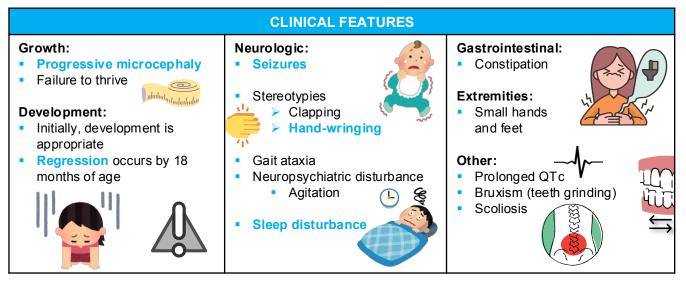
RETT SYNDROME





A rare neurodevelopmental disorder caused by a mutation in the MECP2 gene, resulting in insufficient or abnormal production of the MECP2 protein, which is essential for normal brain function. Primarily affecting females, it occurs in 1 in 8,500 births and follows an X-linked dominant inheritance pattern.



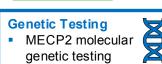


PROGRESSION THROUGH 4 STAGES							
Early Onset	Rapid Regression	Plateau	Late Deterioration				
 <u>6-18 months</u> Delayed development Reduced interaction 	 <u>1-4 years</u> Loss of speech, hand use, and mobility Repetitive hand movements 	 2-10 years Symptoms stabilize Behavior improves Motor issues persist 	After 10 years old Loss of mobility Muscle weakness Cognitive abilities often stable				



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Identification of key clinical features



SURVEILLANCE

- ECG to rule out prolonged QTc
- EEG if suspected seizure activity



MANAGEMENT

Treatment focuses on symptom control with a multidisciplinary approach i.e., antiepileptic drugs for seizures, melatonin for sleep disturbance, selective serotonin reuptake inhibitors (SSRIs) for agitation, fiber and PEG-3350 for constipation.

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