

Glutaric Acidemia Type I (GA I)

Parent Fact Sheet

<p>A newborn screening test is a screen and not diagnostic testing. An “abnormal” result on a newborn screen indicates the baby may be at a higher risk of having a disorder; however, it does not diagnose your baby with the condition. Many babies who receive abnormal results do not have the condition. Follow-up with your provider is very important to determine if your baby has the disorder indicated.</p>	
<p>Disorder Indicated: Glutaric Acidemia Type I (GA I) is a condition in which the body cannot break down the amino acids lysine, hydroxylysine, and tryptophan due to an inherited enzyme deficiency. This results in an accumulation of organic acids in the body. If left untreated, GA I could cause brain damage or death. However, if the condition is detected early and treatment is begun, individuals with GA I can have healthy growth and development.</p>	
<p>Incidence</p>	<p>1 in every 40,000 newborns (more common in Amish populations)</p>
<p>Signs and Symptoms</p> <p><i>Please note: these findings may not be present in young infants or in milder forms of the disease</i></p>	<p>When a child has untreated Glutaric Acidemia Type I, you may see symptoms including:</p> <ul style="list-style-type: none"> • Poor appetite/ Vomiting • Sleeping longer or more often/Tiredness • Irritability • Twitches/ Rigid muscles (spasticity) • Weak muscle tone (called hypotonia) • Delayed growth/Developmental delays • Excessive sweating/Fever <p><i>Symptoms can be triggered or exacerbated by periods of fasting, illness, or infections.</i></p>
<p>Next Steps may include:</p>	<p>Follow up with your child’s pediatric provider</p> <p>Clinical assessment Laboratory Testing</p>
<p>Treatment (if indicated)</p>	<p>Restricted diet (follow up with your child’s pediatric provider)</p>
<p>Additional Resources</p>	<p>VDH Newborn Screening http://vdhlivewell.com/newbornscreening Baby’s First Test www.babysfirsttest.org Genetics Home Reference https://ghr.nlm.nih.gov/ Organic Acidemia Association http://www.oaanews.org/</p>

Educational content adapted from www.babysfirsttest.org

