READ THIS FIRST

Abnormal Newborn Screen: Medium Chain Acyl CoA Dehydrogenase Deficiency (MCADD)

a fatty acid oxidation disorder

What do I do?

1 - Assess the child for signs and symptoms of lethargy, vomiting, poor feeding, hypotonia, hypoglycemia, hepatomegaly, or seizures.

2 - **Start frequent feeds, every 2-3 hours around the clock.** Breast fed children should have supplemental formula given after feeding to ensure adequate intake.

3 - Collect diagnostic testing immediately:

plasma acylcarnitine

plasma carnitine

urine organic acids

Fax all test results to the NBS follow up team at 404-778-8564.

4 - For routine questions, please call the NBS follow up team at 404-778-8560.

5 - If there are clinical concerns, page genetics at 404-785-7778.

What is MCADD?

MCADD is a disorder where the body cannot break down certain fats properly and utilize them for energy production. Fasting with no glucose source can result in serious injury or death.

What do I tell this family?

Their child has had an abnormal newborn screen suggestive of MCADD. This does not mean their child has this disorder. Diagnostic testing will tell us if their child is affected and needs treatment from a metabolic specialist. Frequent feeds (every 3-4 hours) will help protect their child from a dangerous hypoglycemic event.

More information can be found at www.babysfirsttest.org. Search for MCADD.