

**Glutaric Acidemia, Type II**  
**(Neonatal/Infantile type)**  
**(AKA Multiple Acyl CoA Dehydrogenase Deficiency)**  
**Ages 6-24 months**

**Clinic Visits:**

- Every 3 months

**Laboratory studies:**

- Monitoring of diet
  - Plasma amino acid levels
    - 6-12 months: at least monthly
    - 12-24 months: at least every 3 months
- At clinic visits:
  - Carnitine levels
- Yearly
  - Comprehensive metabolic panel
  - Essential fatty acid profile at 6, 12 and 24 months
  - B-type natriuretic peptide (heart health)
  - Prealbumin / albumin
  - Plasma ferritin, transferrin, or iron studies
  - Possible complete blood count (CBC), hemoglobin and hematocrit
  - Possible nutritional laboratory studies

**During illness:**

- Call Metabolic Clinic to alert them that your child is sick
  - Poor feeding, fever, vomiting, and/or lethargy
- Give your child glucose gel or polymer solution if needed (or instructed to do so)
- If your child is not able to keep down glucose containing fluids, you will need to take him or her to the emergency room for IV 10% dextrose (glucose)
- Be sure to bring Emergency Room letter with you to the hospital
- Labs during illness include: comprehensive metabolic panel, ammonia, serum CK (muscle health), and B-type natriuretic peptide (heart health)
- IV carnitine may be given to your child
- Please alert the Metabolic Clinic if your child needs surgery
- Consider medic alert bracelet**

**Evaluations:**

- Yearly brain MRI
- Yearly cardiology evaluation with echocardiogram
- Yearly developmental questionnaires to be completed by parents

**Topics:**

- Review of biochemistry and genetics of GA II / MADD deficiency
- Diet/management
  - Low protein, low fat diet
  - Importance of medical formula
  - Carnitine supplementation
  - Riboflavin supplementation

- Avoid fasting
- Management during illness

*Please make sure your child has clinic visits and levels done on time. Call the metabolic clinic at \_\_\_\_\_ to make an appointment, schedule a blood draw, or with any other questions. If you urgently need to reach a metabolic physician, call \_\_\_\_\_ and ask to page the metabolic physician on call.*

Thank You,  
Your Metabolic Team