**Risk factors**

- Family history of sudden infant death syndrome (SIDS) or sudden unexplained deaths at any age
- Family history of Reye syndrome
- Maternal complications of pregnancy (acute fatty liver of pregnancy, HELLP syndrome [hemolysis, elevated liver enzymes, and low platelet count])
- Lethargy, vomiting, or fasting in the 48 hours prior to death
- Allegation of child abuse (excluding obvious cases of trauma, physical harm)
- Macroscopic autopsy finding
  - Fatty infiltration of the liver and/or other organs
  - Dilated or hypertrophic cardiomyopathy
  - Autopsy evidence of infection that routinely would NOT represent a life-threatening event

**Biochemical Genetics Laboratory Fax: 1-507-284-9211**

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**Postmortem Screening Algorithm**

1. **Sudden and unexpected death—autopsy performed**
   - **Risk factors present**
     - Contact Biochemical Genetics Laboratory 800-533-1710
     - Order PMSBB / Postmortem Screening, Bile and Blood Spots
     - Collect appropriate specimens
     - Specimens sent to Mayo Clinic Laboratories
       - Blood and bile spots on filter paper card
       - Urine on filter paper card
       - Skin biopsy
       - Request for Original Newborn Screening Card be sent to Mayo Clinic Laboratories from screening laboratory, when possible
     - Send or Fax clinical information and autopsy report to Biochemical Genetics Laboratory**
   - **DNA confirmatory testing and biochemical genetic testing of asymptomatic parents and siblings, if appropriate**
   - **NEGATIVE**
   - **No additional testing**
   - **POSITIVE**
   - Report provided
   - DNA confirmatory testing and biochemical genetic testing of asymptomatic parents and siblings, if appropriate

2. **No risk factors present**
   - Order PMSBB / Postmortem Screening, Bile and Blood Spots
   - Collect appropriate specimens
   - Specimens collected and sent to Mayo Clinic Laboratories
     - Blood and bile spots on filter paper card
     - Request for Original Newborn Screening Card be sent to Mayo Clinic Laboratories from screening laboratory, when possible
     - Send or Fax clinical information and autopsy report to Biochemical Genetics Laboratory**
   - **NEGATIVE**
   - **No additional testing**
   - **POSITIVE**
   - Report provided
   - Consultation with Biochemical Genetics Laboratory (BGL) regarding additional information
   - Send urine specimen to Mayo Clinic Laboratories for analysis as requested by BGL
   - **DNA confirmatory testing and biochemical genetic testing of asymptomatic parents and siblings, if appropriate**

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