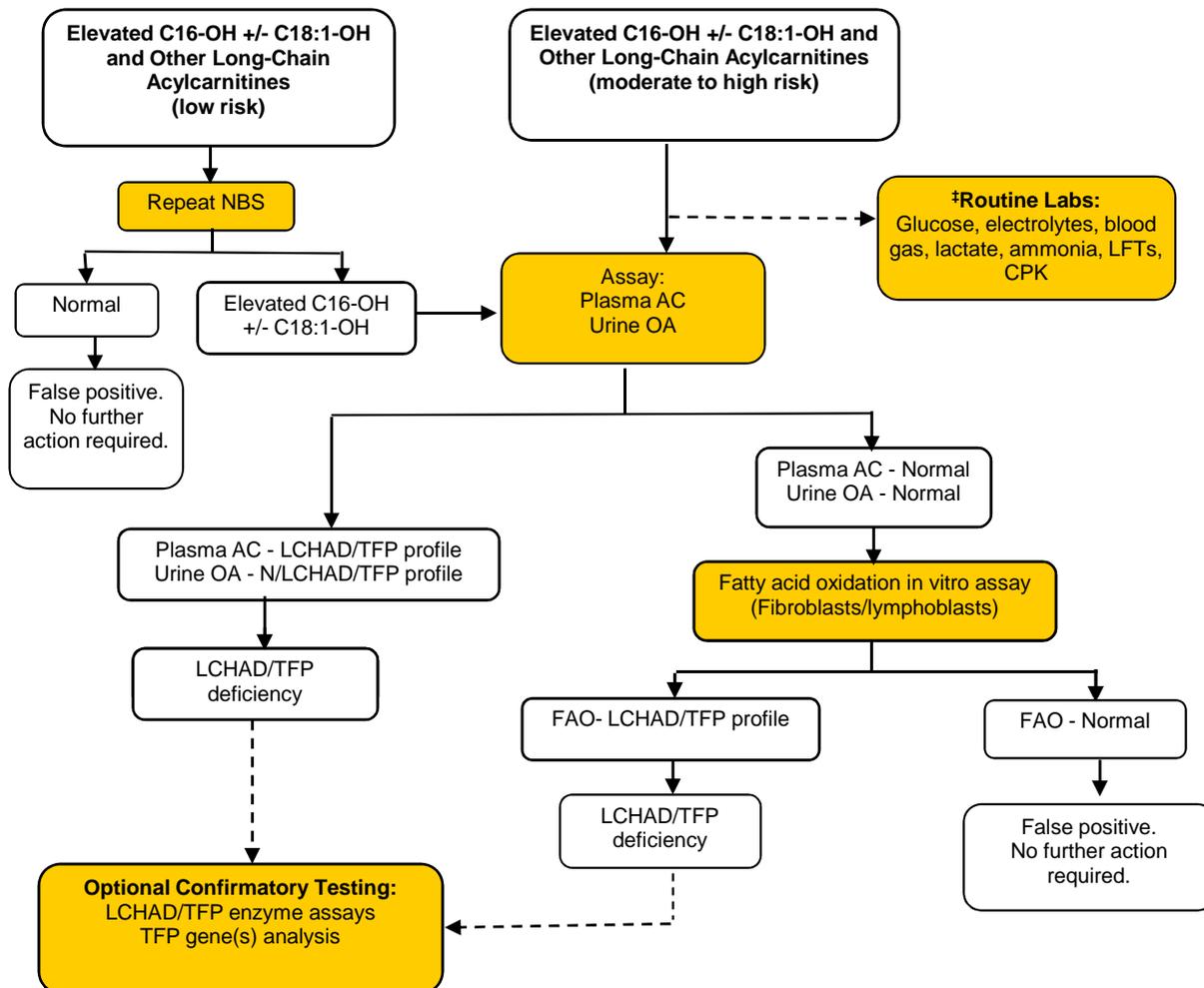


## ELEVATED C16-OH +/- C18:1-OH AND OTHER LONG-CHAIN ACYLCARNITINES



Action steps are shown in gold (shaded) boxes; results are in plain boxes.  
Dash lines indicate optional steps

### Abbreviations/Key

AC = acylcarnitine  
 CPK - creatine phosphokinase  
 FAO = fatty acid oxidation  
 LCHAD = Long-chain 3-hydroxyacyl-CoA dehydrogenase  
 LFTs = liver function tests  
 NBS = Newborn Screening  
 OA = organic acids  
 TFP = Trifunctional protein

† = When the positive predictive value of screening is sufficiently high and the risk to the baby is high, some initiate diagnostic studies that are locally available at the same time as confirmation of the screening result is done.

**DISCLAIMER:** These algorithms and guidelines were adapted from the American College of Medical Genetics algorithm sheets. They are designed primarily as an educational resource for physicians to help them provide quality medical services. Adherence to these standards and guidelines does not necessarily ensure a successful medical outcome. These standards and guidelines should not be considered inclusive of all proper procedures and tests or exclusive of other procedures and tests that are reasonable directed to obtaining the same results. In determining the propriety of any specific procedure or test, the healthcare provider should apply his or her own professional judgment to the specific clinical circumstances presented by the individual patient or specimen. It may be prudent, however, to document in the patient's record the rationale for any significant deviation from these standards and guidelines