

MCAD Screening (medium-chain acyl-CoA dehydrogenase deficiency)
Oklahoma State Department of Health Newborn Screening Program – Feb. 22, 2008

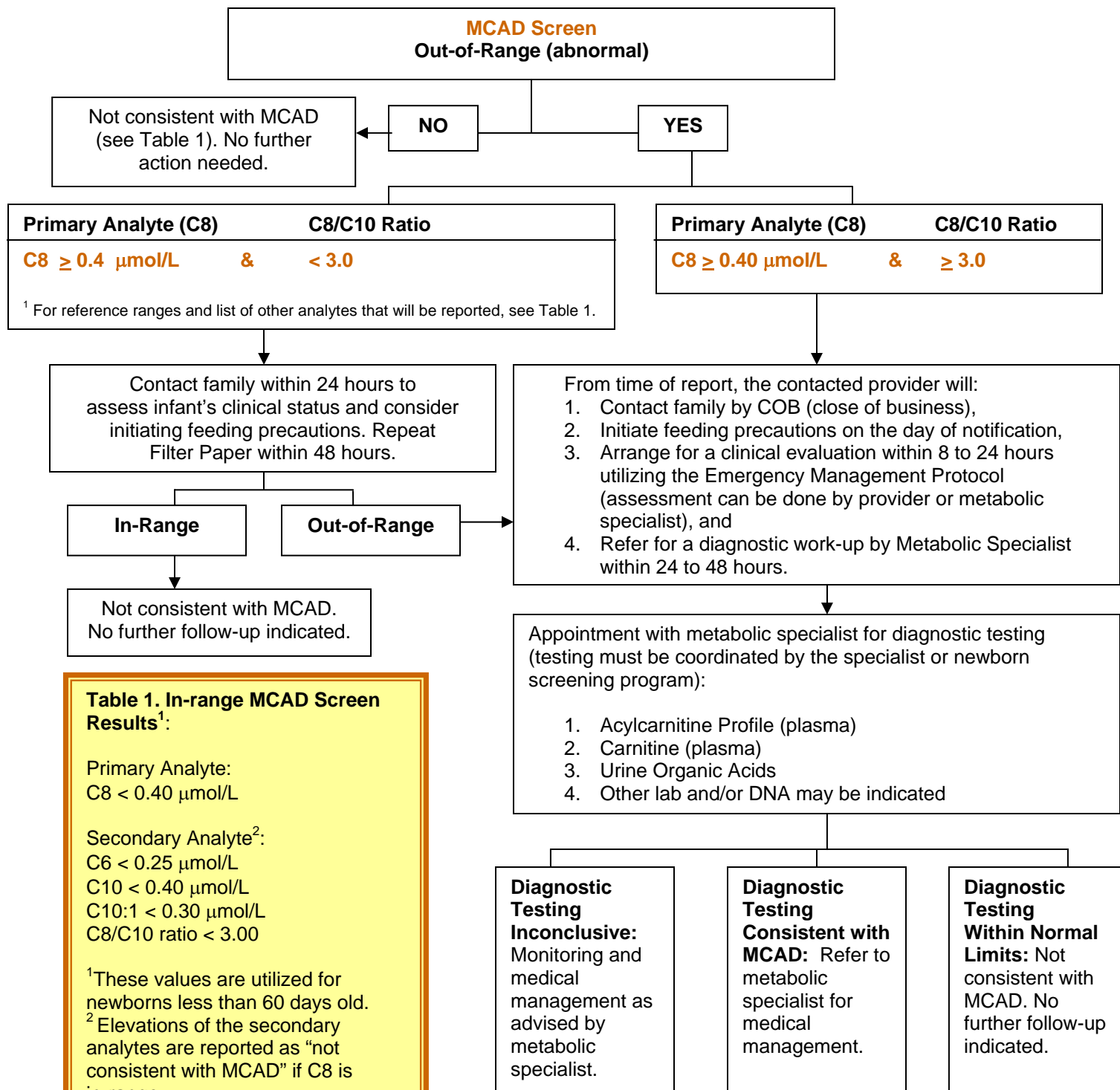


Table 1. In-range MCAD Screen Results¹:

Primary Analyte:
C8 < 0.40 $\mu\text{mol/L}$

Secondary Analyte²:
C6 < 0.25 $\mu\text{mol/L}$
C10 < 0.40 $\mu\text{mol/L}$
C10:1 < 0.30 $\mu\text{mol/L}$
C8/C10 ratio < 3.00

¹These values are utilized for newborns less than 60 days old.
²Elevations of the secondary analytes are reported as "not consistent with MCAD" if C8 is in-range.

From the time the screen is reported to the provider, the Metabolic Nurse Specialist will monitor follow-up by:

1. Confirming the provider contacts family before COB.
2. Facilitating and confirming a clinical evaluation by a provider or metabolic specialist is achieved before COB.
3. Facilitating and confirming infant presents for a diagnostic workup with a metabolic specialist within 24 to 48 hours.
4. Coordinating collection and processing of diagnostic tests and communicating test results to provider and short-term follow-up program (STFU).
5. Communicating with STFU if the above timelines are not met.