Systemic Hypothermia in Neonates With Hypoxemic-Ischemic Encephalopathy (HIE)

1. Patients with a presumptive diagnosis of hypoxic-ischemic encephalopathy who meet ALL of the following five criteria are eligible for this order set. Check off each positive finding:

1. Gestational Age greater than or equal to 35 weeks gestation
2. Birth weight greater than or equal to 1.8 kg
3. less than or equal to 6 hours since insult occurred
4. Seizures or 3 of 6 of the following:

5. ONE OR MORE of the following predictors of severe HIE:
   - pH less than or equal to 7.0 with base deficit of greater than or equal to 16 on arterial blood gas determination (base excess more negative than -16)
   - pH7.01--7.15, base deficit 10-15.9 or no blood gas available and acute perinatal event (cord prolapse, heart rate decelerations, uterine rupture) and either
     - APGAR less than or equal to 5 at 10 min
     - Assisted ventilation at birth required for greater than or equal to 10 min

Exclusion Criteria

- Presence of lethal chromosomal abnormalities
- Severe IUGR
- Significant intracranial hemorrhage with a large intracranial hemorrhage (Grade III or intraparenchymal echodensity (Grade IV))