Interventions to improve cerebral rSO₂:

- Rule out mechanical cause
  - Head position
  - Cannula position

- Increase supply (oxygen delivery)
  - Increase cardiac output (pump flow)
  - Increase blood pressure
  - Increase CO₂ to physiologic level
  - Increase PaCO₂
  - Vasodilate cerebral blood vessels
  - Increase hematocrit

- Decrease demand (cerebral metabolism)
  - Increase anesthetic
  - Decrease temperature

**Healthy cerebral rSO₂:** 58–82%

**Intervention threshold:** ≤50 points (or ~20% from baseline)

**Critical threshold:** ≤40 points (or ~25% from baseline)
These guidelines are not designed to replace clinical judgment or individual patient needs.


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