

CLINICAL GUIDE

INVOS™ system

Healthy cerebral rSO₂: 58–82%

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

Critical threshold: ≤40 points (or ~25% from baseline)

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



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Further. Together

These guidelines are not designed to replace clinical judgment or individual patient needs.

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