

Brain Tissue Oxygen Monitoring (PbtO₂)

- Measures dissolved O₂ in fluid adjacent to brain cells
 - Measures 'health' of cells near the lesion
- Normal/Target: 25-35 mmHg
 - Mortality increases with duration < 15 mmHg
- Placed near brain lesion
- PbtO₂ improved by ↑ cerebral blood flow, Hb > 10, CPP ≥ 60 mmHg, and maximizing PaO₂
- Survival and Neurologic Outcomes better than ICP monitoring alone

