Brain Tissue Oxygen Monitoring System
In the last decade, clinical researchers have demonstrated the significance of oxygen partial pressure measurements in the brain.\(^1\)\(^2\) A study by van den Brink, et al (2000), examined brain tissue oxygenation (P\(_\text{btO}_2\)) in 101 head trauma patients (Glasgow Coma Scale<8) using LICOX\(^3\).\(^3\) Despite aggressive conventional monitoring and treatment, hypoxic events were observed with the LICOX\(^®\) system in more than half of these patients. The depth and duration of tissue hypoxia were related to outcome, and proved to be an independent predictor of unfavorable outcome and death.

Monitoring P\(_\text{btO}_2\) has been shown to be a reliable and sensitive diagnostic method to monitor cerebral oxygenation,
and experience shows the risks of placing intraparenchymal sensors are minimal. Clinical research has demonstrated that the prevention of secondary injury following severe head injury is well correlated with better patient outcome.  

### Catalog Number  |  Description
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AC31  |  LICOX® CMP Oxygen and Temperature Monitor
LML1  |  LICOX® Monitor Link to connect to AC31
NL950-xx  |  Interface Cable to connect LML1 to bedside monitor
IP2P  |  Complete LICOX® PMO Kit  
Contains IP2 Double Lumen Bolt and  
CC1P1 Combined Oxygen and Temperature Catheter
IT2  |  Complete LICOX® PMO Kit  
Contains VK52 tunneling needle and  
CC1P1 Combined Oxygen and Temperature Catheter
IM3ST  |  Complete LICOX® Probe Kit with Temperature,  
Contains IM3 Triple Lumen Bolt, CC1SB Oxygen Probe,  
C8B Temperature Probe
IP1P  |  Complete LICOX® PMO Kit  
Contains IP1 Single Lumen Bolt and  
CC1P1 Combined Oxygen and Temperature Catheter

### To measure Intracranial Pressure with LICOX® Oxygen Monitoring:

- **110-4L**  
  Camino® Intracranial Pressure Monitoring Kit Used  
  With all Camino Monitors: CAM-01, MPM-1

- **NL950-SD**  
  Ventrix® Intracranial Pressure Monitoring Kit  
  Used with Ventrix Monitor NL950-100

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