

Ordering Information:

Reference	Description
LCXo2	Licox® P _t O ₂ and Temperature Monitor
CC1.SB	P _t O ₂ Probe
C8.B	Temperature Probe
CC1.P1	Combined P _t O ₂ /Temperature Probe
IP1	Single Lumen Bolt used with CC1.P1
IP1P	Kit containing CC1.P1 and the IP1 introducer
IP2	Double Lumen Bolt used to combine CC1.P and compatible catheter
IP2P	Kit containing CC1.P1 and the IP2 introducer
IT2	Kit containing CC1.P1 and the VK5.2 introducer
VK5.2	Licox Tunneling Needle for use with CC1.P1

* Hypoxia burden is the area over the curve below 20 mmHg of P_tO₂ over time measured in hour x mmHg.
** Mean hypoxia burden in 55 patients in P_tO₂+ICP treatment arm was 74.9 hour x mm Hg (95% CI, 43.9–105.9), whereas for the 58 patients in the ICP-only treatment arm, mean hypoxia burden was 285.8 hour x mm Hg (95% CI, 202.0–369.7), p < 0.0001.

1. Stiefel MF, Udoetuk JD, Spiotta AM, et al. Conventional neurocritical care and cerebral oxygenation after traumatic brain injury. J Neurosurg. 2006;105(4):568–575.
2. Okonkwo DO, Shutter LA, Moore C, et al. Brain oxygen optimization in severe traumatic brain injury Phase-II: a Phase II randomized trial. Crit Care Med. 2017;45(11):1907–1914.
3. Le Roux P, Menon DK, Citerio G, et al. Consensus summary statement of the International Multidisciplinary Consensus Conference on Multimodality Monitoring in Neurocritical Care, Neurocrit Care. 2014;21:1–26.
4. Edinburgh Protocol: <https://www.ncbi.nlm.nih.gov/pubmed/27165868#>
5. University of Pennsylvania: <https://www.ncbi.nlm.nih.gov/pubmed/20415526>
6. IFU Integra® Licox® P_tO₂ Monitor, 60904052 Rev. A

Indications For Use – the Integra Licox® P_tO₂ Monitor:

The Integra Licox® P_tO₂ Monitor measures oxygen partial pressure (P_tO₂) and temperature in brain tissue, and these parameters are used together as an aid in the determination of the perfusion status of cerebral tissue local to sensor placement. Monitor values are relative within an individual, and should not be used as the sole basis for determining a diagnosis or therapy. It is intended to provide data additional to that obtained by current clinical practice in cases where hypoxia or ischemia is a concern.

Contraindications – the Integra Licox® P_tO₂ Monitor:

The Integra Licox® P_tO₂ Monitor and its accessories are contraindicated for use in a Magnetic Resonance (MR) environment.

Indications For Use – the Licox Brain Oxygen Monitoring System (IM3STEU, IM2SEU, IP1P):

The Licox Brain Oxygen Monitoring System measures intracranial oxygen and temperature and is intended as an adjunct monitor of trends of these parameters, indicating the perfusion status of cerebral tissue local to sensor placement. Licox System values are relative within an individual, and should not be used as the sole basis for decisions as to diagnosis or therapy. It is intended to provide data additional to that obtained by current clinical practice in cases where hypoxia or ischemia is a concern.

Contraindications – the Licox Brain Oxygen Monitoring System (IM3STEU, IM2SEU, IP1P):

Licox products are not intended for any use other than that indicated. Contraindications for device insertion into the body apply, e.g. coagulopathy and/or susceptibility to infections or infected tissue. A platelet count of less than 50 000 per µl is considered a contraindication. This value may differ according to different hospital protocols.

Availability of these products might vary from a given country or region to another, as a result of specific local regulatory approval or clearance requirements for sale in such country or region.

- Non contractual document. The manufacturer reserves the right, without prior notice, to modify the products in order to improve their quality.
- Warning: Applicable laws restrict these products to sale by or on the order of a physician.
- Consult product labels and inserts for any indication, contraindications, hazards, warnings, precautions, and instructions for use.

For more information or to place an order, please contact:

United States, Canada, Asia, Pacific, Latin America

USA 800-654-2873 ▪ 888-980-7742 fax
International +1 609-936-5400 ▪ +1 609-750-4259 fax
integralife.com



Licox® Brain Tissue Oxygen

Monitoring System

The Licox® Brain Tissue Oxygen Monitoring System helps in understanding the pathology behind the ICP number



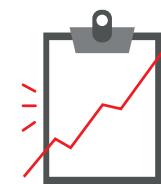
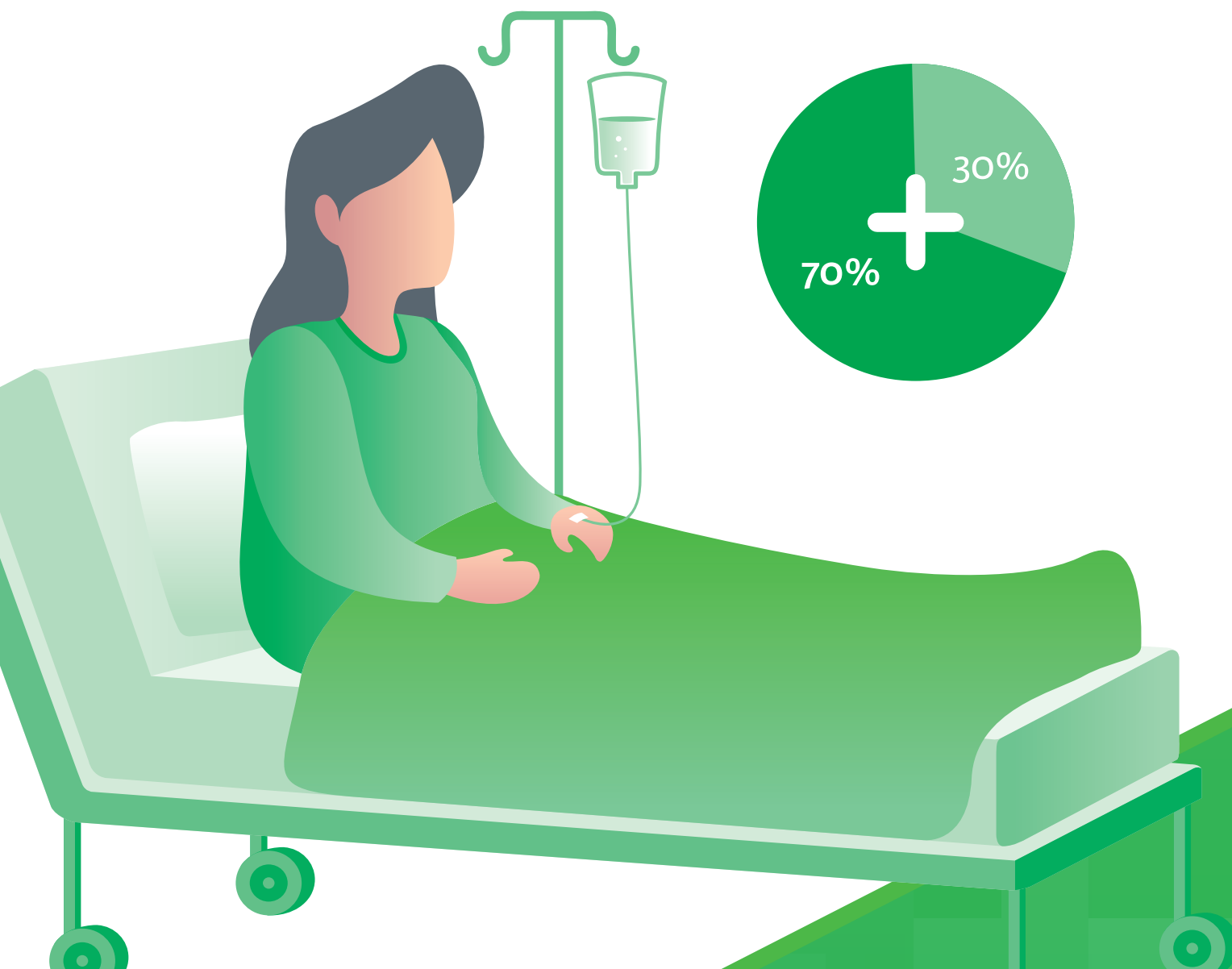
See more with P_tO₂





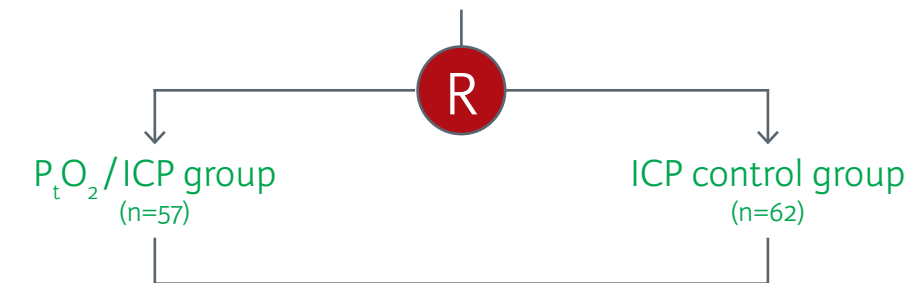
Missing clinically significant events

30% of severe TBI patients with normal CPP & ICP may have cerebral hypoxia¹



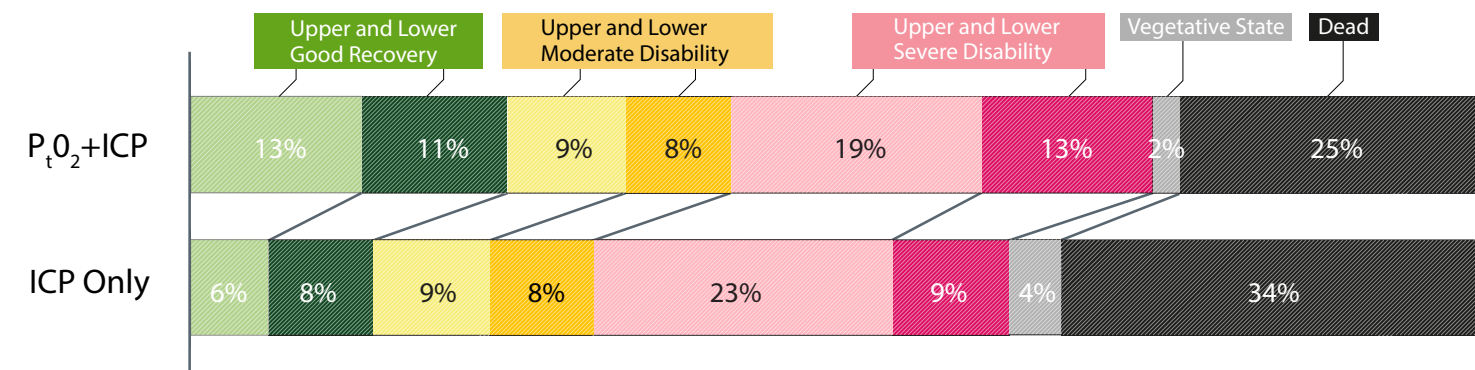
P_tO_2 guided therapy reduces hypoxia burden by 77%²

BOOST II is the only multicentre, **R**andomized, clinical trial in severe TBI neuromonitoring.



Results

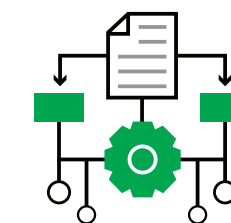
- 39% of therapies are targeted at low P_tO_2 while ICP is normal
- Hypoxia Burden* is reduced by 77%, statistically significant ($p < 0.0001$)**
- Trend towards lower mortality and better 6-month outcome (GOS-E)



P_tO_2 monitoring is recommended by a recent consensus paper³



Codman Specialty Surgical, your partner for optimizing patient care



Supporting the establishment of new TBI treatment protocols^{4,5}

Nursing Matters

Education program for nurses



Education program for physicians

Licox® P_tO_2 Monitoring System

