Integra® Licox® Brain Tissue Oxygen Monitoring
IP1P Complete Brain Probe Kit

Turn on the monitor as soon as it is determined that PtO2 readings will be required for a patient. The monitor requires a warm-up period of approximately 3 hours to reach an accurate value.

Placement of the probe into the patient may be done before or after connecting to the monitor.

**Monitor Setup**
1. Connect the Y-adapter cable (BC10PMO) to the blue and green ports on the right side of the Licox monitor
2. Connect the Y-adapter cable (BC10PMO) to the combined PtO2/temperature probe cable (PMOCAB)
3. Insert the Smart Card (packaged with the IP1P probe) into the slot on the right side of the monitor
   - Align arrow on card with arrow on label
4. When message appears on screen, press ACCEPT
   - This will trigger an alarm indicating the Smart Card is reading a low PtO2 number
5. Silence the alarm by pressing the flashing alarm signal
   - This will temporarily silence the alarm for 3 minutes

The purpose of connecting the combined PtO2/temperature probe to the monitor prior to implantation is to verify the functionality of the probe before clinical use; it is not a requirement for calibration, as each PtO2 probe includes a designated Smart Card. When connecting the probe to the monitor prior to implantation, ensure that sterility is maintained.
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IP1P kit contains a combined oxygen and temperature probe (CC1P1) and single lumen introducer kit (IP1).

Probe Placement
1. Prepare sterile field: clip hair, prep skin, drape area, open skin
2. Using drill bit from Licox kit, create burr hole and rinse with saline
3. Open dura using #11 blade to make a cruciate incision
4. Place bolt into skull, secure by turning clockwise (skin may be secured if desired)
5. Ensure that there is a clear path through the skull using the stylet
6. Holding introducer above the compression cap, rotate until it drops into the elliptical channel (introducer tip reaches approximately 20 mm out of the bolt)
7. Rotate the compression cap one full turn to hold in place
8. Remove the guidewire from the introducer
9. Remove the protection tube and insert the probe into the introducer as far as possible
10. Rotate the blue free rotating lock clockwise onto the introducer
11. Tighten compression cap tightly onto the bolt to secure probe (do not overtighten, finger tight only)
12. Ensure connections to the Licox monitor using the Y-adapter cable (BC10PMO) and the combined PtO2/temperature probe cable (PMOCAB)

If you tighten now you will not be able to remove the stylet or place the probe

When using the combined probe, the Licox monitor measures the temperature and compensates automatically

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 are a concern.