



# Minimizing Neurological Risk During Surgery

**Impulse Monitoring, Inc. (IMI), one of the industry's leading intraoperative neuro-monitoring (IONM) services companies, provides a turnkey outsourced IONM solution to hospitals and other facilities.**

IONM, which is used for spinal and brain-related surgeries among others, involves the application during surgery of a variety of electro-physiological and vascular monitoring procedures to allow early warning and avoidance of injury to nervous system structures.

IONM delivers benefits at many levels of medical care including:

- Reduced patient neurological deficits
- Markedly reduced surgical morbidity and mortality
- Reduced hospital stay and medical costs
- Reduced overall insurance burden

## **The IMI IONM Model:**

### **Multiple Levels of Monitoring**

IMI employs certified neurophysiologists (technologists) and partners with highly trained neurologists who use state-of-the-art-monitoring equipment to provide surgeons, hospitals and medical centers with a complete outsourced IONM solution. Under this model, neurophysiologists located in the operating room work as a team with on-line supervising neurologists who oversee in real-time the interpretation of the neurophysiological data gathered remotely during surgery.



## **Better Insight. Better decisions. Better medicine.**

IMI's clinical standards and best practices, along with a number of distinct differentiating features and attributes set us apart from our competitors. What this adds up to is an approach to IONM that provides better insight into a patient's condition during surgery to facilitate better decision-making that enables the practice of better medicine.

- IMI uses technology extensively to leverage and streamline our service offerings.
- Our proprietary DataCap\* system captures digital information from every intraoperative surgery it monitors. This data repository provides operations intelligence, cumulative reporting across hospital systems and forms the basis for extensive clinical research.
- IMI has developed a comprehensive training and continuing education program to ensure that our neurologists and neurophysiologists are sufficiently trained and qualified.

\*Patent pending

Clinical Benefits of Outsourcing IONM	Risks of Outsourcing IONM
Standard of care for many types of spine and Neurosurgical Cases	Standardized and Auditable Operating Procedures?
Reduces Iatrogenic Injury	Physician Oversight?
Improves Surgical Outcomes	HIPAA Compliance?
Reduces Medical Legal Risks to the Hospital and Surgeon	Medicare Compliant and Transparent Billing?
Distributes Liability	JCAHO Compliant Credentialing of Techs and MDs?

The Impulse Monitoring IONM Solution	
<b>Physician Oversight</b>	<ul style="list-style-type: none"> <li>■ IMI's network connectivity model offers real time neurologist oversight.</li> </ul>
<b>Documentation</b>	<ul style="list-style-type: none"> <li>■ IMI's reporting features open, clear documentation of monitoring modalities used and units billed.</li> </ul>
<b>Training</b>	<ul style="list-style-type: none"> <li>■ The IMI technologist training program is comprehensive, auditable, and the best in the industry.</li> <li>■ Because we database our cases, automated cumulative reporting of cases can be provided at regular intervals. You will always know what is being monitored, for which case types and for which surgeons.</li> </ul>
<b>Credentialing</b>	<ul style="list-style-type: none"> <li>■ IMI internally credentials technologists for types of cases and monitoring modalities allowing us to match their capabilities with level of case complexity.</li> </ul>
<b>Dependability</b>	<ul style="list-style-type: none"> <li>■ IMI provides full night and weekend coverage.</li> <li>■ IMI provides local technologists for the majority of cases allowing for more flexibility.</li> </ul>
<b>Full Case Range &amp; Standardized Protocols</b>	<ul style="list-style-type: none"> <li>■ IMI offers a full range of monitoring to fill the needs of a hospital's case load.</li> <li>■ Central organization of training, data collection and management processes allow for easy multi-site integration and standardization of care as appropriate.</li> </ul>
<b>Cost</b>	<ul style="list-style-type: none"> <li>■ The cost of outsourcing IONM is often less expensive than managing an in-house program.</li> </ul>