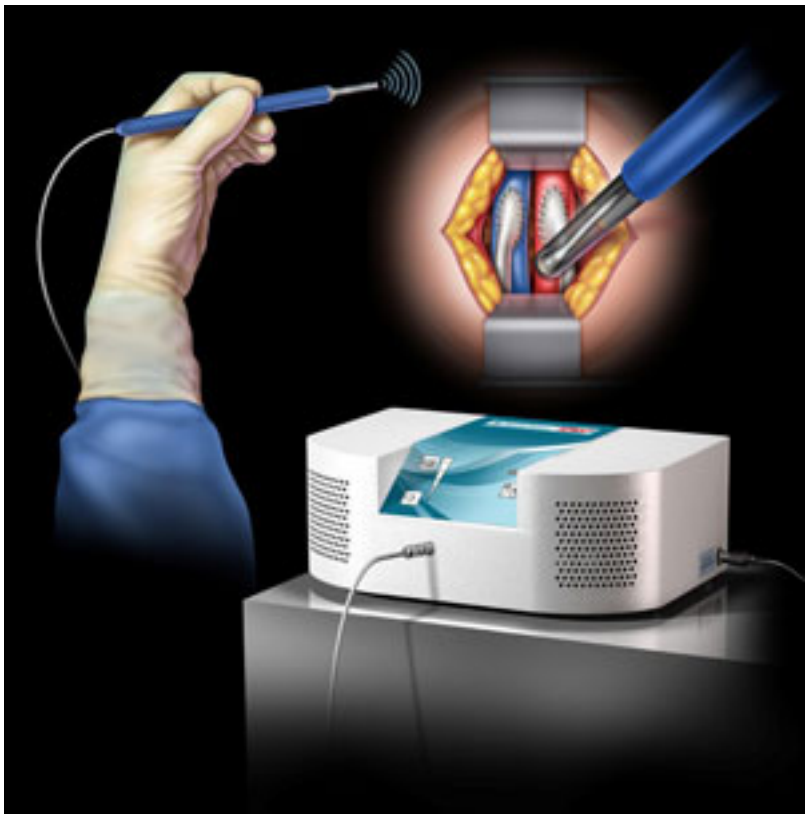
Vascular Technologies Discusses Its Disposible Doppler Probes



Surgical Products asked Vascular Technoloiges a few questions about its Disposible Doppler Probes

1. How was the idea for this product developed? What needs were you looking to meet with this product?

Surgeons have long had the desire to use a Doppler system in the operating suite. The type of system that is still found in many OR suites today is a pocket type Doppler that was designed back in the 1970’s. In discussing this need, both surgeons and nurses made it very clear that the Doppler technology they had available to them was inadequate in many ways. Most times, when requested, their Doppler simply was not available or did not function. VTI set out to develop a Doppler system intended for use in the OR suite that would overcome all of the shortcoming of these other systems. VTI has designed and developed Doppler probes for each surgical specialty, including robotics, for use with the VTI Surgical and Microsurgical Doppler systems.

2. How does this system work?

Electronic circuitry has advanced significantly since the 1970s and VTI takes full

advantage of this superior technology, but our system is still based on fundamental Doppler principals. We chose to use pulse wave Doppler over continuous wave Doppler because of the many advantages it offers. It is important to realize this is not new technology. It is just an improved way of delivering the already existing technology.

3. What problems does this product address?

The VTI Intraoperative Doppler systems address many problems, but most importantly it addresses the problem of missing and broken Doppler probes. The system does this through the use of single-patient use Doppler probes. In addition, the system offers features such as a louder volume, a longer cord, and the ability to remember the audio volume from case to case.

4. How can using this product help facilities improve patient safety, infection rates and overall efficiency?

Recent research shows that the use of Intraoperative Doppler technology can minimize the risk of significant bleeding. It can also lead to changes in operative management and shorter OR times, all without an added learning curve. Overall efficiency improves due to the elimination of downtime caused by broken and missing Doppler probes.

For more information, visit www.vti-online.com [1].

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