Clinical **Ops**

VeinViewer[®] MaxDepth

The Facts:

VeinViewer uses near-infrared light to detect subcutaneous blood and create a highdefinition digital image of the patient's superficial vein pattern projected directly onto the surface of the skin.

Previously, VeinViewer has been proven to visualize veins up to 10mm deep; however, recent studies have provided imaging data which demonstrates that the technology can detect blood patterns up to 15mm deep.

This ability far surpasses the technological capabilities of other near-infrared vascular access devices and provides the user with a more complete picture of the vascular access



Conclusion

VeinViewer is the proven leader in nearinfrared vascular access assistive devices and can provide visualization of more potential vascular access sites.

IN SUMMARY:

Christie Medical Holdings (Christie) is the global leader in near-infrared vascular imaging devices. Clinical research studies, both internal and external, have proven that VeinViewer technology surpasses competitor devices and standard methodology for vascular access.

A 3,000 data point analysis of four internal studies evaluated the metrics of vein width and vein depth as verified by ultrasound. This wide array of data points also allowed the investigation of deeper veins in an effort to understand the full capabilities of VeinViewer's patented near-infrared technology.

While conducting internal clinical trials on the primary points of vascular access, those being the hand, lower arm and antecubital areas, researchers also investigated areas which had some of the deeper veins such as the neck.

The external jugular of several subjects was imaged using ultrasound; afterwards, the same area was imaged using VeinViewer. The images produced demonstrated that the technology was able to detect blood patterns from the external jugular up to 15mm deep (see figure, left).

This is the first known published finding which demonstrates that a near-infrared vascular access device can detect blood patterns up to 15mm deep. These results further cement Christie's VeinViewer platform technology as the proven leader in nearinfrared vascular access assistive devices.

Ref: Data on File

