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RSNA 2013: Evena Medical Presents Patient Vein Detecting Smart Glasses Solution



Evena's Wearable Eyes-On™ Glasses Vascular Imaging System utilises Epson Moverio Smart Glasses technology platform to detect patient veins for precise IV placement

Evena Medical, a leader in the development of high-quality, high-definition imaging for fast, accurate and precise venous access, recently announced the launch of its Eyes-On™ Glasses System, a one-of-a-kind point-of-care wearable unit which enables nurses at the bedside to see “through” a patient’s skin to the vasculature beneath. With Evena’s Eyes-On Glasses, even hard-to-locate veins are easier to see and access.

Featuring a patented design that incorporates multi-spectral 3D imaging and wireless connectivity, Evena’s point-of-care Eyes-On system is the first vein detection device to deliver clear, anatomically accurate, real-time imaging in a wearable, easy-to-use, hands-free and cart-free system.

The Eyes-On system utilises the Epson Moverio™ “smart glasses” technology platform and its unique “look-through” capabilities to offer one of the first healthcare applications of smart glasses commercially available on a global scale.

“Studies have shown that up to 40% of IV starts require multiple attempts to locate and access a vein, which not only wastes valuable nursing time but also delays therapy and causes patient discomfort and dissatisfaction,” said Frank Ball, Evena Medical President and CEO. “With Evena’s Eyes-On Glasses, nurses can quickly and easily locate and access the best veins for each patient – even in challenging clinical environments such as pediatric or neonatal units.”

Evena’s Eyes-On Glasses include digital storage to enable easy verification and documentation of vein patency throughout a patient’s stay in the hospital, and telemedicine capability to share images remotely. The system also interfaces with hospital electronic medical records systems for seamless documentation.

“It’s extremely gratifying that one of the first healthcare solution concepts featuring Epson’s Moverio smart glasses technology is one that improves both patient comfort and nursing efficiency,” said Anna Jen, Director, New Ventures/New Products, Epson America, Inc. “We are proud of what the Evena team has accomplished and look forward to working with them well into the future.”

Epson Moverio smart glasses technology offers a unique binocular design that projects overlays of digital content onto the real-world in the center of the wearer’s field of view. Enabling a seamless blend of the physical and digital worlds, the Moverio smart glasses make exciting new applications possible for commercial enterprises and consumers alike.

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