InSono
solutions for a better quality of life

Biomedical division
A new generation device for the non invasive vein detection and visualization is ready to be delivered to the market.

EasyVein is a "digital loupe" which can show much more details than the conventional observation.

Venous visualization has never been so easy …
Make it easier ...
EasyVein aids the physician in venipuncture or other activities in many cases:

- Obese patients
- Pediatrics and neonatology patients
- Patients subjected to frequent vascular access
  - Chemotherapy treated patients
  - Diabetics
  - Emofiliacs
- African and other dark skin patients
- Hypovolaemic and hypotensive patients

The NIR image elaboration permit to reveal the venous pattern which is superposed to the surround tissue image
EasyVein

The optical parameters of the acquired image are very different in the regions where blood is present.

EasyVein is able to reveal where a vein is through an elaboration process and it can show the venous pattern in real-time.

The blood absorption between 700 nm and 900 nm is sensibly higher than other surrounding tissues.

Representation of a transverse section of a tissue with a vessel.
Device support with Power Supply

- High Detail Image
- Raw Image
- Low Detail Image
- High Detail Image
- Visible Light emission
- Infrared Light emission

Touch screen
Function
Power

Clean and essential...Easy!
EasyVein - The power of simplicity

Operator independent
Automatic focus, easy positioning
No eyestrain avoiding the glare effects from inspected tissues
Three different operating modalities for large, small vessels and NIR visualization
No calibration procedures
No parallax errors
Through NIR and visible light diffuse illumination shadow region effects are avoided

Ergonomic and compact
Intuitive and easy to use
Very portable

More than VISIBLE…
Augmented reality
In Italy, each year more than 70,000 cases are related to biological risk for health care workers. Among all the injuries, the 78.3% is caused by accidental punctures and cuts. Vascular access and blood sampling are considered the most traumatic and painful events, especially for hospitalized childrens.

**EasyVein permits to perform the vascular access with a single attempt, significantly reducing the operation time and the children pain.**

**EasyVein contributes to reduce the intervention time, the consumables usage and the invasivity of the vascular access.**

In Italy, each year more than 70,000 cases are related to biological risk for health care workers. Among all the injuries, the 78.3% is caused by accidental punctures and cuts.

**EasyVein reduces puncture wounds and thus the access points for pathogens, but it also guaranties an higher degree of safety for operators.**

**Shoud I use it?**
**InSono**
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