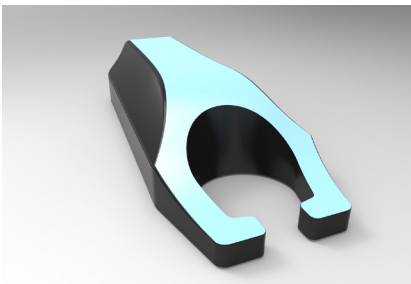


Low cost vein tracer for blood banks and pathology labs



Study of form for gripping and ease of use



Pilot production sample

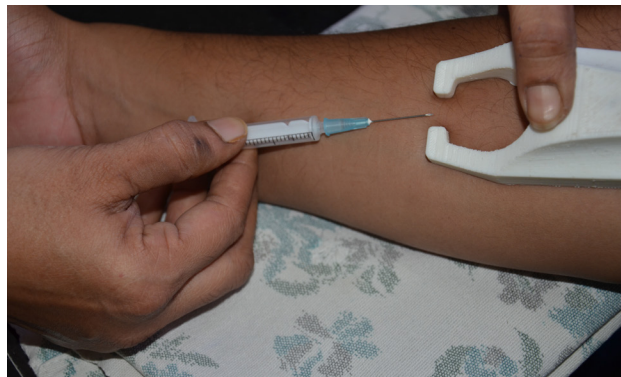
While tracing veins in patients, there is a difficulty in locating the veins—especially in children, darker skinned and obese people which leads to unnecessary multiple needle pricks that causes pain and injury.

The vein tracer has been designed as a simple light-weight device that humanises a simple technology (NIR Spectroscopy), helping medical practitioners easily identify the veins during vein-puncture procedures, thereby reducing patients trauma.

Features

- The vein detector is convenient, light weight
- The vein detector is ergonomically user friendly and affordable to masses
- NIR spectroscopy, an existing technology, is applied to solve the problem. The LED lights are deflected by the deoxygenated blood, giving a clear silhouette of veins
- This technology can be actually used by the masses: in busy and frugally run blood camps; blood banks; small and medium sized hospitals

The vein tracer is in its final stage of usability testing using the pilot production samples.



Final prototype rendering