

Philips ClarifEye Augmented Reality Surgical Navigation



A usability evaluation was conducted in 2020 for the ClarifEye system in a simulated lab environment with clinical users (neurosurgeons, orthopedic surgeons, x-ray technologists and OR nurses) in a test lab in Cleveland, Ohio, USA



Involving
14 clinical users
from the USA



Perform procedures simply and easily

ClarifEye offers Philips intuitive user experience and simplicity of control to make it easy to learn and use.

100%
of participants found
the system user-friendly



Key findings¹



100%
of participants agreed
that elimination of steps that
are normally required using
conventional navigation
systems (registration, placing
reference frame, positioning
of separate camera systems),
will save them time



100%
of participants believed
that the full integration of
imaging and navigation
into one system will
improve the workflow
of navigated cases



86%
of participants believed
the procedure time will
be shorter compared to
other navigation systems

Average 68

100

Usability evaluation shows that **ClarifEye** has a SUS-score of

83

The System Usability Scale (SUS) is a scientifically-proven independent scale used to rate technological systems on their usability and learnability (based on 500+ diverse technological systems).

What is ClarifEye?

ClarifEye is an industry-first solution that combines imaging and augmented reality (AR) navigation into one system, to support precise planning and effective device guidance for accurate² placement of pedicle screws.

Who is it for?

ClarifEye can be used in navigated open and minimally invasive spinal procedures in a hybrid operating room.

Learn more about ClarifEye **Visit www.philips.com/ClarifEye**

Key benefits of ClarifEye

- ✓ Imaging and navigation into one
- ✓ High quality Intra-operative cone beam-CT imaging at low dose
- ✓ Non-invasive patient tracking streamlines workflow
- ✓ Live augmented reality needle guidance to support precision

1. Results obtained during a Usability Evaluation with clinical users (neurosurgeons, orthopedic surgeons, x-ray technologists and OR nurses) in a simulated use environment.
2. Elmi-Terander A. et al. Augmented reality navigation with intraoperative 3D imaging vs fluoroscopy-assisted free-hand surgery for spine fixation surgery: a matched-control study comparing accuracy

ClarifEye is not available for sale in the U.S.A., pending 510(k)
This material is not for use/ distribution in USA.

