

Philips Azurion 7 C20 with FlexArm

Performance overview from an independently verified study



Study conducted in 2017/2018 in a simulated lab environment at Philips facilities in Best, the Netherlands



Involving **17 physicians** from USA and Europe

including interventional radiologists, interventional cardiologists and vascular surgeons

94%

of physicians agreed that FlexArm's flexibility is capable of supporting new procedures

100%

of physicians agreed that the FlexArm was easy to control

94%

of physicians agreed that with FlexArm more tasks could be done without assistance from others

100%

of physicians agreed that FlexArm offered uncompromised access to the patient's head end

88%

of physicians agreed that FlexArm would help save time



Key findings*



100%

of physicians agreed that the FlexArm system would reduce the need to move the table

100%

of physicians agreed that FlexArm would allow them to work with great flexibility

100%

of physicians agreed that with FlexArm the need to pivot the table would be eliminated

27% ↓

average reduction in time spent positioning the system in procedures that include table pivots, such as radial access procedures*

91% ↓

reduction in table positioning movements from 19.4 to 1.8 movements on average, in procedures that include table pivots, such as radial access procedures*

What is Azurion?

Launched in February 2017, Azurion is Philips' **next generation image guided therapy platform** that allows physicians to provide superior care for patients, easily and confidently perform procedures, while optimizing lab productivity.

Who is it for?

Azurion can be used to **diagnose and treat patients in hospitals or specialist clinics**, providing image guidance in diagnostic, interventional and minimally invasive surgery across vascular, non-vascular, cardiovascular and neuro procedures. Since its global introduction, 20,000 patients have been treated in 24 countries across the world.

What is FlexArm?

The FlexArm ceiling-mounted stand is a **revolutionary new approach to image guided therapy that provides unlimited imaging flexibility** for diverse procedures and exceptional positioning freedom for medical teams.

The Azurion system with FlexArm scored 92 on the System Usability Scale (SUS), which is significantly higher than the industry average SUS score of 68.

For the full user-study results, please visit www.philips.com/FlexArm

Key components of FlexArm

- ✓ **Ceiling-mounted gantry**
Provides strong support for FlexArm and provides a compact assembly, free from the floor to offer maximum positioning flexibility and unrestricted access to the patient.
- ✓ **Axsys motion control system**
The newly developed Axsys motion control system with Axsys controller makes the 8 axis flexibility very easy to use. It is designed to provide predictable and precise system movements that promote less disturbance, enabling staff to concentrate better on the patient and technology in the suite. The flexible arm can be rotated and moved longitudinally and laterally, allowing three-sided patient access and total body coverage from three sides of the table.
- ✓ **Image beam rotation**
Part of the X-ray tube which continually aligns and rotates the image beam so it remains aligned with the patient as the C-arm is angulated and rotated.

*Compared to the suites with Azurion 7 C20. Evaluated with clinical users in a simulated lab environment after approximately 20 minutes of practicing C-arm and table positioning.

This study was designed and supervised by Use-Lab GmbH, an independent and objective usability engineering consultancy and user interface design company. Use-Lab also analysed the study results and documented the conclusions.

