



**PHILIPS**

Spine suite

# Perform spine procedures with confidence and precision

## Excellent 3D image quality

The intraoperative reconstruction images acquired from the CBCT were comparable in terms of quality to postoperative CT images.<sup>1,3</sup>

## Intra-operative check

High detection rate of screw malposition.<sup>1</sup>

## Enhanced patient care

Immediate intraoperative correction of misplaced screws prevents revision surgery in a substantial number of patients<sup>1</sup>.

References:

- <sup>1</sup> Nevzati E, et al. Validation and accuracy of intraoperative CT scan using the Philips Allura Xper FD20 angiography suite for assessment of spinal instrumentation. *British Journal of Neurosurgery*. 2017 31:6, 741-6.
- <sup>2</sup> Leschka SC et al. C-arm cone beam computed tomography needle path overlay for image-guided procedures of the spine and pelvis *Neuroradiology*. 2012 Mar;54(3):215-23
- <sup>3</sup> Braak and Heesewijk, et al. Effective dose during needle interventions, CBCT guidance compared with conventional CT guidance, *J Vasc Interv Radiol* 2011; 22:455-461

Disclaimer:

Results from case studies are not predictive of results in other cases. Results in other cases may vary.

### What is Spine suite?

Our Spine suite is a state-of-the-art Hybrid OR that consists of the Azurion image guided therapy platform, spine products, workflow options, accessories, education, and services.

### Who is it for?

Spine suite provides image guidance for open and minimally invasive spine procedures to treat patients in hospitals or specialist clinics.

**For more information about Spine suite**, please visit [www.philips.com/spinesuite](http://www.philips.com/spinesuite) or send an e-mail to [spine-inquiries@philips.com](mailto:spine-inquiries@philips.com)



“The Azurion has a large-area Flat Detector that provides exceptional 2D and 3D visualizations of complex spinal structures – providing far higher image quality than an image intensifier system – to enhance confidence, decision making and precision during spinal surgery”

**Prof. Dr. A Seekamp, MD,**  
Director of the Orthopedic and Emergency Surgery Clinic,  
University Clinic Schleswig-Holstein campus, Kiel, Germany



“The flexibility of the system makes it easy for us to use this modern technology also for the disciplines like trauma- and neuro-surgery in a profitable way. Especially for spine surgery we have great satisfaction among our surgeons. All in all the system has been very well integrated at our hospital”

**Dr. J Giesse, Head of OR management,**  
University Clinic Schleswig-Holstein campus, Kiel, Germany

