The perfect match

Philips Mobile C-arm Systems BV Pulsera with 3D imaging

PHILIPS

Experience the perfect match...

Intraoperative imaging is an indispensable aid in many surgical procedures. While conventional 2D imaging provides a useful perspective, 3D imaging adds even more information about the relative position of bony structures, implants and fixation devices.
This is why Philips has introduced the BV Pulsera with 3D-RX: the perfect match of full-specification 2D imaging with superb, high-quality 3D reconstruction – in a single compact system that can be used in any operating room. The BV Pulsera with 3D imaging helps you perform demanding surgeries with greater precision than ever before.

High quality images in the OR

With the BV Pulsera with 3D-RX in your OR, you no longer have to transport patients to a CT system for pre- or post-operative checks. Any corrections can be carried out immediately while the patient is still on the table – resulting in improved clinical outcomes and more streamlined workflow.

In addition, the BV Pulsera with 3D-RX offers you high-quality 3D imaging without compromising full conventional 2D imaging functionality during routine procedures.

BV Pulsera with

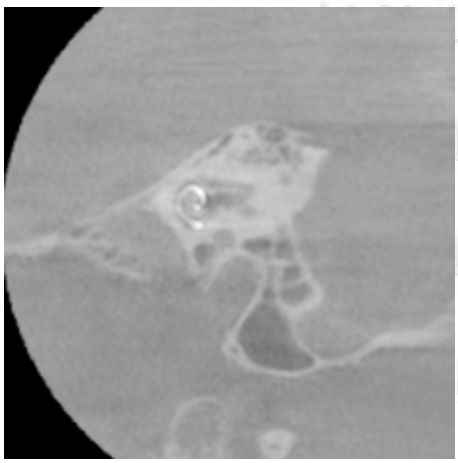
Top-quality images – time after time

Intra-operative 3D imaging with 3D-RX is based on the BV Pulsera 12" system. This system, with rotating anode technology and high penetration mode, gives you the power to see through virtually any patient, while the pulsed exposure mode ensures high-quality images free from motion blur.

In 3D imaging, the C-arm rotates continuously through 200° in the "propeller" direction, while acquiring a large set of up to 450 high-definition fluoroscopic images. The images are processed via the unique SmartVision concept, which combines advanced technologies across a full 1k x 1k digital imaging chain to yield top-quality images at a low X-ray dose. The complete set of images is then integrated to create a high-quality 3D volume reconstruction.

This dataset of images, in combination with advanced image processing, ensures unprecedented intra-operative 3D image quality. No one else delivers more or higher quality images – resulting in sharper 3D reconstruction.

Exceptional 3D reconstructions are displayed on the right-side monitor of the unique ultra-compact Mobile View Station. Here, you can easily manipulate the 3D reconstructions to obtain the best visualization of the anatomy, enhancing the outcome of the procedure.



3D-RX

Expanding your applications

Part of the Philips BV family of mobile C-arm systems, the BV Pulsera with 3D-RX is a highly maneuverable compact system that can be moved in and around small operating rooms with ease.

The system is fitted with a 12" image intensifier, capable of handling large reconstruction volumes with a diameter of 18/12/7 cm, providing the coverage needed for large field-of-views images, such as maxillofacial reconstructions. At the same time, the unique zoom function enables visualization of the smallest anatomical details, such as the structures in the inner ear, which greatly facilitates cochlear implants.

The BV Pulsera with 3D-RX offers a wide range of applications:

- Trauma surgery
- Hand/wrist surgery
- Maxillofacial reconstructions
- Cochlear implants
- Orbital surgery
- Cervical spine

"The BV Pulsera with 3D-RX system gives extra certainty in delicate procedures such as cochlear implantation."

Dr W. Grolman, Head of the ENT Polyclinic at the Amsterdam Medical Center

"This technique enhances the safety, efficiency and cost-effectiveness of minimally invasive trauma surgery".

Dr. R. Haverlag, Trauma Surgeon
at the Amsterdam Medical Center

BV Pulsera with 3D-RX highlights:

- Unique combination of conventional 2D C-arm flexibilty and top-quality 3D imaging in a single compact system: two systems in one, reducing costs
- Intra-operative 3D imaging, which reduces pre- and postoperative CT/MR, enhancing workflow and cost effectiveness
- Based on the excellent image quality of the BV Pulsera 12", capable of handling large reconstruction volumes with a diameter of 18/12/7 cm, providing you both the largest overviews and finest details.

Philips Medical Systems is part of Royal Philips Electronics

Interested?

Would you like to know more about our imaginative products? Please do not hesitate to contact us. We would be glad to hear from you.

On the web

www.medical.philips.com

Via email

medical@philips.com

By fax

+31 40 27 64 887

By mail

Philips Medical Systems
Global Information Center
P.O. Box 1286
5602 BG Eindhoven
The Netherlands

By phone

Asia
Tel: +852 2821 5888

Europe, Middle East, Africa
Tel: +31 40 27 87246

Latin America
Tel: +55 11 2125 0764

North America
Tel: +1 800 229 6417

Printed in The Netherlands.
4522 962 13891/718 * AUG 2006