Planmed Verity

3D Extremity Scanner

ENGLISH

Perfect adaptability to your needs

Extremity imaging using MDCT (Multidetector Computed Tomography) can be challenging. Very often, patients have limited mobility and cannot be positioned easily on the examination table. Furthermore, an awkward posture is needed when imaging e.g. the elbow in order to avoid unnecessary X-ray exposure to sensitive organs.

Planned Verity® Extremity CBCT (Cone Beam Computed Tomography) Scanner provides a motorized gantry with adjustable height and tilt for the best possible extremity positioning.

Lower extremity

Seated knee, leg, ankle, foot, toes

Planned Verity® can always be positioned in a way that is the most convenient for the patient. Fracture healing follow-up is possible without removing the cast.

Weight-bearing imaging

Standing knee, ankle, foot, toes

3D image of a standing patient shows the anatomy in a natural position, and can reveal problems that are otherwise non-discernible, such as diminished joint space.

Upper extremity

Seated or supine elbow, arm, wrist, hand, fingers

The versatile positioning also enables imaging directly on a hospital bed. Within the X-ray room, a single person can easily move the unit to the preferred position.

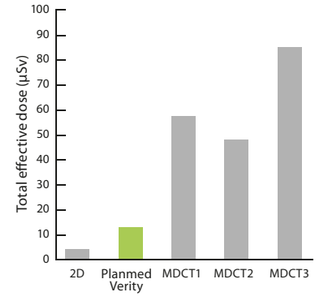
Clinical benefits – fast diagnosis with point-of-care imaging

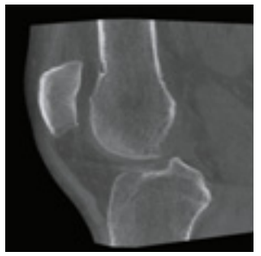
Radiation dose benefits

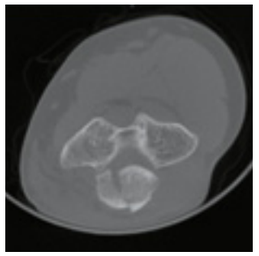
CBCT technology provides significantly lower radiation dose compared to conventional MDCT scanners. Scattered radiation is also low; depending on local regulations 1 mm Pb equivalent shielding in the room is recommended. Planned Verity Extremity Scanner comes with a detachable scattered radiation shield that protects the patient during the scan.

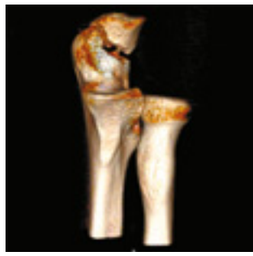
Koivisto, J., Kiljunen, T., Wolff, J. and Kortesniemi, M: Assessment of effective radiation dose of an extremity CBCT, MSCT and conventional x ray for knee area using MOSFET dosemeters. Radiat. Prot. Dosim. Advance Access published July 3, 2013, doi: 10.1093/rpd/nct162

For more literature references please visit www.planmed.com



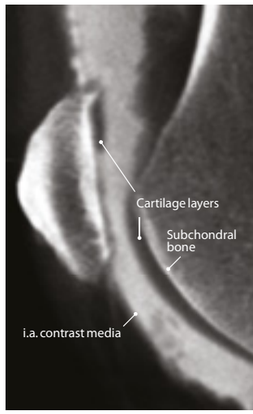






Multiple uses, high image quality

Planmed Verity extremity CBCT scanner offers superior image quality with a low dose. Isotropic resolution of up to 0.2 mm with efficient metal artefact reduction algorithm shows tiny bone structures with minimal interference. Also arthrography examinations with intra-articular contrast can provide improved visualization of joint disorders.



Connectivity

Self-contained system and DICOM 3.0 conformant. Worklist management with touch-screen interface. Complete volumes or user defined slice stacks can be generated and archived to PACS or burned on a DVD with a viewer.

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Key facts

- Dimensions (WxLxH): 76x184x160cm / 29,9”x72,4”x63,0”
- Either mobile or fixed configuration
- Joystick controlled gantry height and tilt
- TearDrop™ shaped bore
- Plugs into a standard electric outlet
- Integrated workstation with touch screen
- Soft, selectable upholstery colour

Watch video :
Planmed Verity Extremity Scanner

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