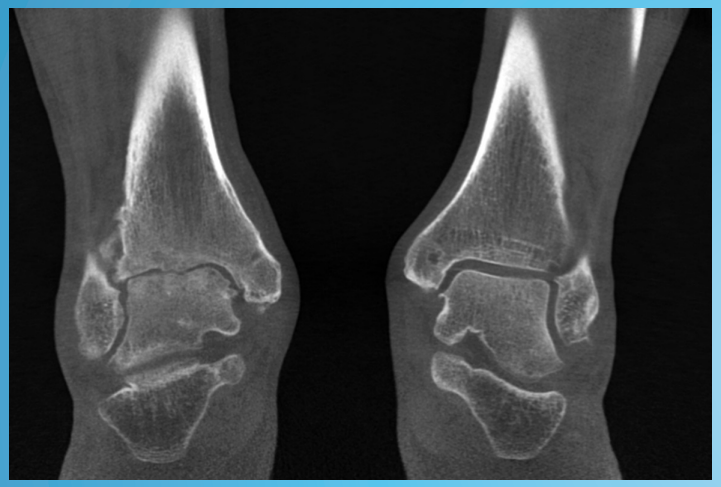
BILATERAL WEIGHT BEARING CT IMAGING FOR FOOT & ANKLE

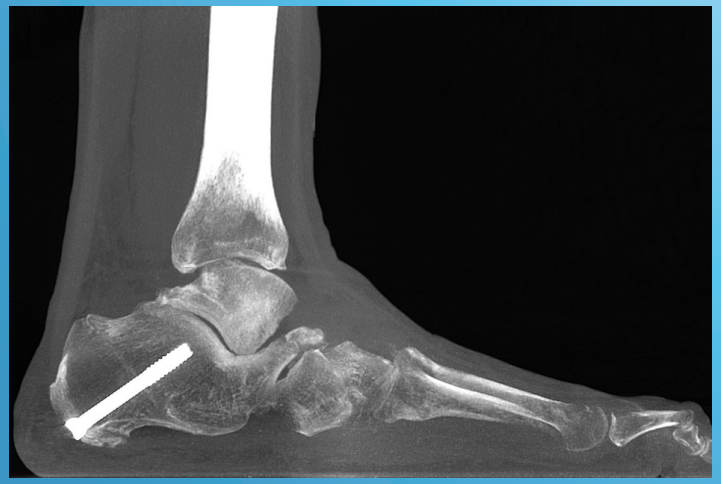
CurveBeam

pedCAT™

MORE WEIGHT.



arthritic vs. healthy joint



post-surgical fuision assessment

QUICK SCAN TIMES

0.3 MM SLICES + X-RAY VIEWS

DICOM/PACS COMPATIBLE

ULTRA LOW RADIATION

FITS ANYWHERE

STANDARD BILLLING

Bilateral, true weight bearing CT scans of the foot & ankle allow physicians to assess the biomechanical spatial relationships and alignment of the lower extremities.

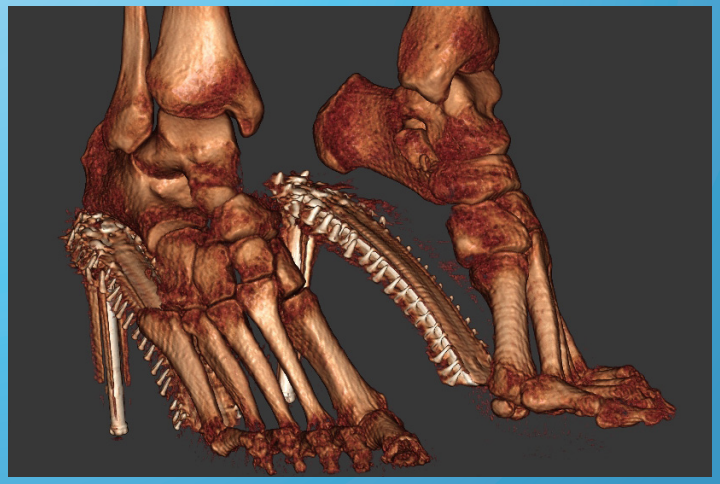
Cone beam CT technology employs a cone shaped fan beam, and therefore only needs to make one rotation to capture the entire anatomy.

LESS WAIT.

20 seconds for a partial foot scan
48 seconds for a bilateral scan

Scan in weight bearing or seated position.

fracture

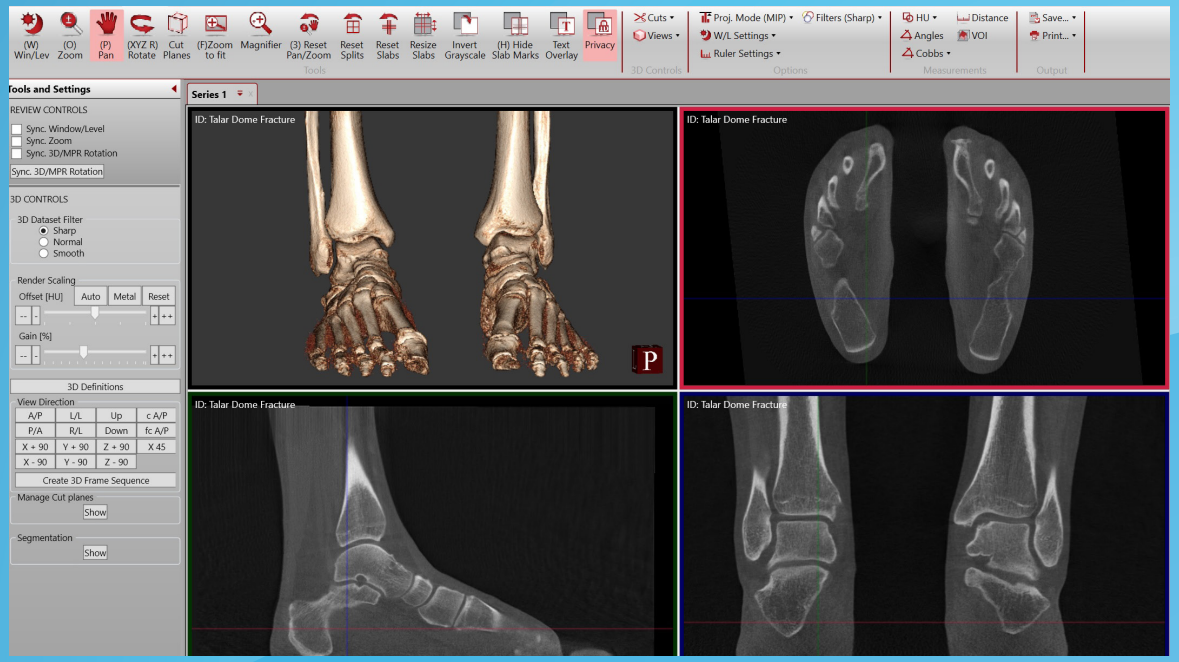


patient in high heels

PRECISE IMAGING

Ultra thin slices - 0.3 mm

3D reconstructions, Multi-Planar slices, and 2D X-Ray views



CubeVue - 3D & MPR windows

ADVANCED TOOLS

CubeVue, CurveBeam's custom visualization software, provides multiple alignment measurement tools.

CubeVue Insta-X feature automatically generates standard X-Ray views from the 3D data

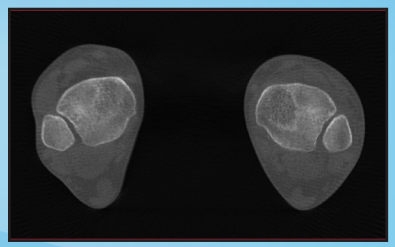
CubeVue - Insta-X windows

ULTRA LOW DOSE

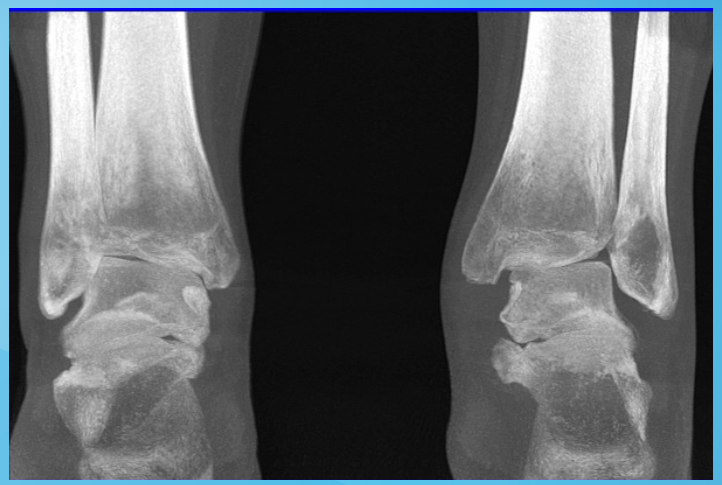
Technique	Micro Sieverts
Daily Background Exposure	8
pedCAT Cone Beam CT, medium FOV scan (partial single foot)	2 (2)
pedCAT Cone Beam CT, large FOV scan (both feet in entirety)	5 (2)
Extremity Film X-ray	1 (1)
Extremity Medical CT	25 – 1000 (2), (3), (4)

(1)Radiologyinfo.org developed jointly by American College of Radiology and Radiological Society of North America. www.radiologyinfo.org.
(2) John B. Ludlow, Marija Ivanovic, Weightbearing CBCT, MDCT, and 2D Imaging Dosimetry of the Foot & Ankle, International Journal of Diagnostic Imaging, 2014, Vol. I, No. 2
(3) Nagel HD. Dose values from CT examinations. In: Nagel HD, ed. Radiation exposure in computed tomography. Hamburg, Germany: CTB Publications, 2002:15 -24
(4) Debdut Biswas, BA, Jesse E. Bible, BS, Michael Bohan, BS, Andrew K. Simpson, MD, Peter G.Whang, MD, and Jonathan N. Grauer, MD, Department of Orthopaedics and Rehabilitation, Yale University School of Medicine, New Haven, and Yale-New Haven Hospital, New Haven, Connecticut Radiation Exposure from Musculoskeletal Computerized Tomographic Scans, J Bone Joint Surg Am. 2009;91:1882-9

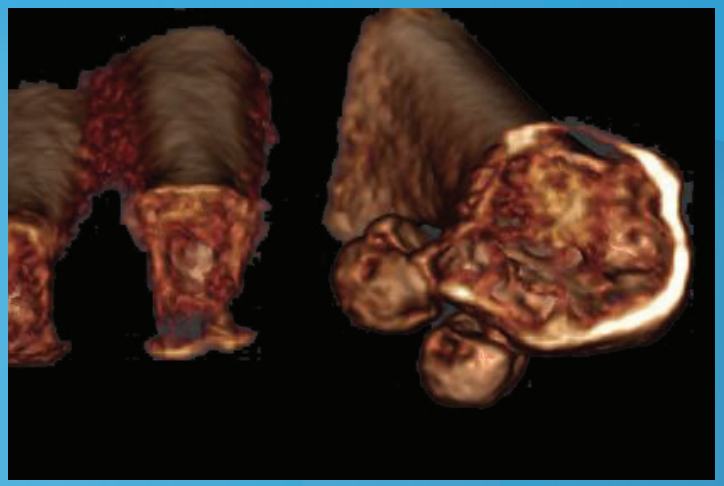
Lisfranc injury - elevated metatarsals



syndesmosis - axial



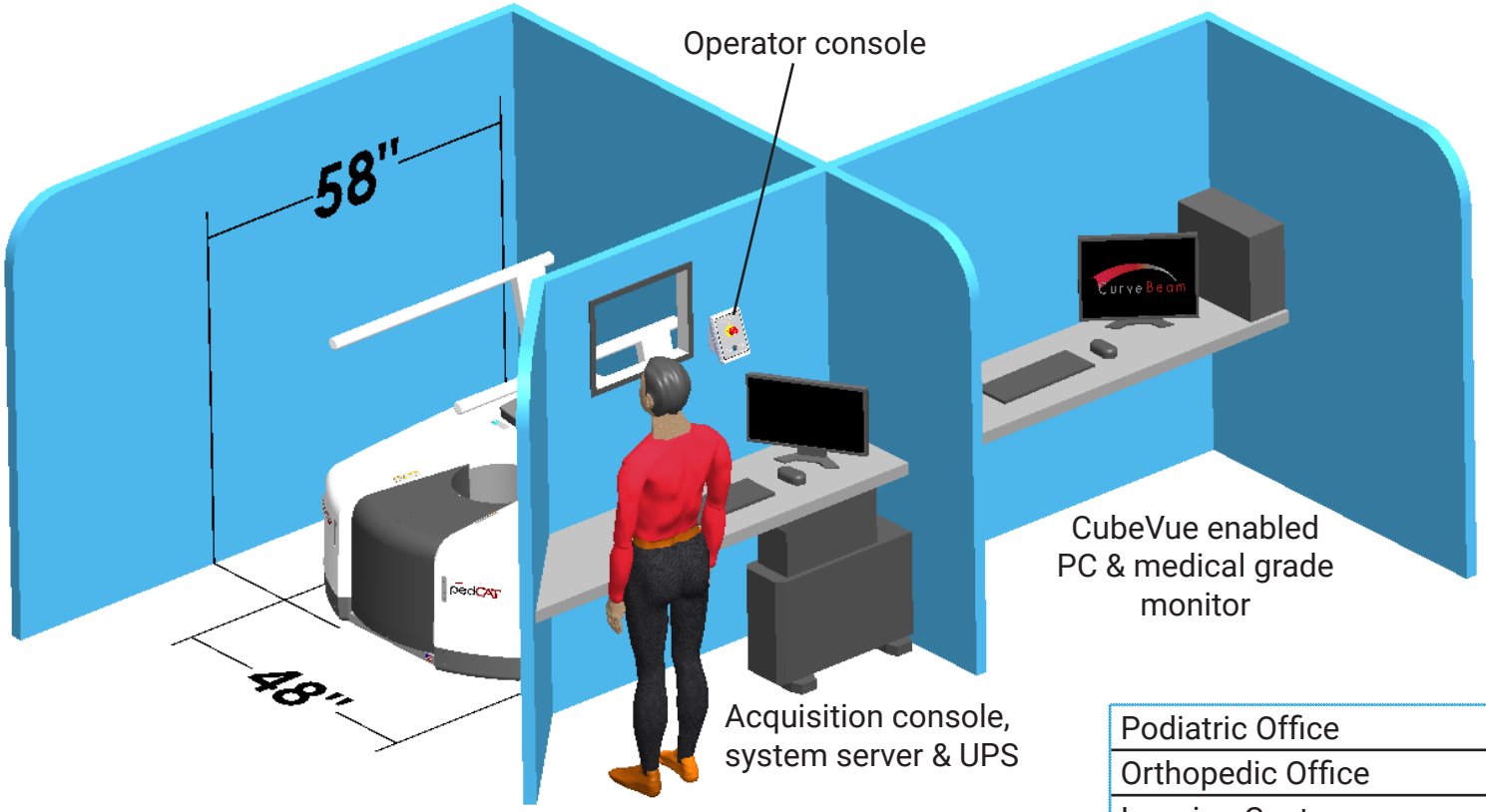
syndesmosis - coronal



rotated sesamoids

FITS ANYWHERE

- Small footprint - 48” x 58”
- Minimal shielding
- Standard 115VAC (220 VAC international) outlet
- No extra heating or cooling required



Podiatric Office
Orthopedic Office
Imaging Center
Ambulatory Surgery Center
Hospital/ ED

FEATURES AND SPECIFICATIONS

Technical Specifications	
3D Imaging Volume	20cm (height) x 35cm (diameter) and smaller
Resolution	0.3mm, 0.37mm voxel sizes
Procedure Time	20-48 seconds
Max Exposure Time	9 seconds
Tube Voltage	100-120 kVp
Tube Current	5 mA
Image Detector	Amorphous silicon flat panel
Gray Scale	16 bit
Dimensions	4ft (h) x 4ft (w) x 5ft (d)
Weight	400lbs
Power Requirements	1500VA

Approvals
US FDA 510(k)
Health Canada
CE Marking
China FDA
Australia TGA
Saudi FDA
Taiwan FDA
Hong Kong FDA

US Reimbursement
CPT Code 73700 - CT lower extremity without contrast

coalition

post-surgical assessment (non-union)

midfoot dislocation

About **CurveBeam**

CurveBeam designs and manufactures Cone Beam CT imaging equipment for the orthopedic and podiatric specialties. CurveBeam was founded in 2009 and is privately owned and operated.

CurveBeam's corporate office is located in Warrington, Pennsylvania, USA.
CurveBeam's Europe office is located in London, United Kingdom.

The core team behind CurveBeam developed and pioneered the first commercially viable Cone Beam CT imaging systems for the dental/maxilo-facial specialties and has been expert in the field since the 1990s.

CurveBeam

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