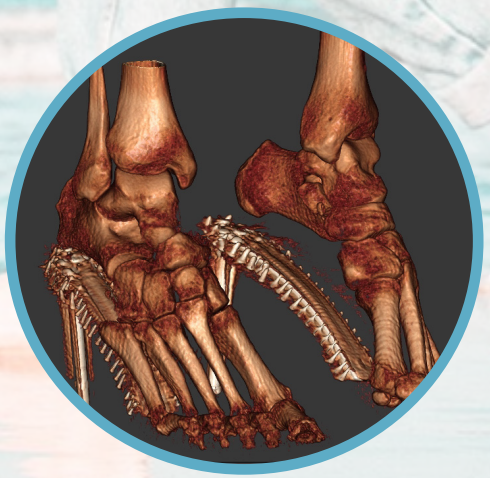
HOW WEIGHT BEARING CT WORKS

1. Step into the pedCAT. Stand or sit for your scan.
2. Staff will help position you correctly.
3. Stand or sit still for about a minute while the gantry rotates around you.
4. Your doctor now has 3-Dimensional data of your bones and joints.

IT'S THAT EASY!



This 3D CT imaging technology is low dose. Patients are exposed to about the same radiation as a regular X-Ray exam. The total radiation exposure of a pedCAT 3D CT scan is less than what the average American is exposed to in a single day.**

**Ludlow, J. "Hand-wrist, Knee, and Foot-ankle Dosimetry and Image Quality Measurements of a Novel Extremity Imaging Unit Providing CBCT and 2D Imaging Options". Draft version 1/18/2018

WHY STANDING CT?

> Diagnose fractures with more accuracy

> Evaluate joint wear (osteoarthritis) and deformities of the forefoot (hallux valgus, claws, hammer toes), midfoot and hindfoot

> Create precise surgical plans

> Evaluate post-operative healing

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DOVETAIL ORTHOPEDICS

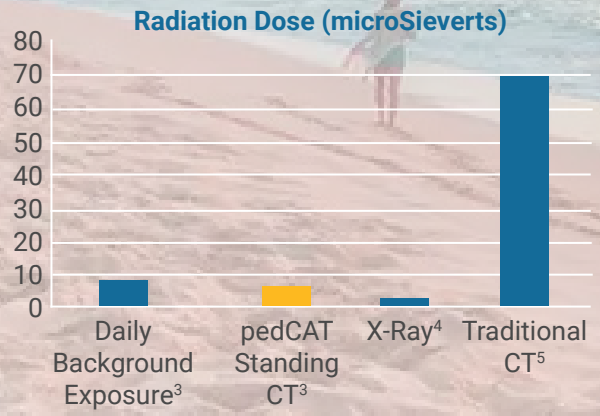
WE OFFER STATE-OF-THE-ART STANDING CT IMAGING

Standing CT
images provide:

> 3 Dimensional Views
> Weight Bearing Diagnosis
> Low Radiation Exposure

Weight bearing 3D imaging has improved diagnostic accuracy over X-Ray, allows for better surgical planning, and potentially leads to improved patient outcomes.[1]

American Orthopedic Foot and Ankle Society (AOFAS) recommends weight bearing position when possible.[2]



CurveBeam AI pedCAT® Standing CT combines the benefits of X-Ray and Full Body CT Weight Bearing CT is the clear choice

	Advantages	Disadvantages
X-Ray	• Low Radiation • Quick evaluation of foot & ankle deformities	• 2 Dimensions • Long procedure time • Difficult to make precise deformity measurements
Full Body CT	• 3 Dimensions • Precise Measurements • High Definition	• Higher Radiation than X-Ray • Not Weight Bearing • Not offered at this office
CurveBeam AI pedCAT® Standing CT	• 3 Dimensions • Precise Measurements • High Definition • Low Radiation • Thorough evaluation of foot & ankle deformities • Quick and convenient scan	

1. Chun, D.-I., Cho, J., Won, S. H., Nomkhondorj, O., Kim, J., An, C. Y., & Yi, Y. (2025). Weight-Bearing CT: Advancing the Diagnosis and Treatment of Hallux Valgus, Midfoot Pathology, and Progressive Collapsing Foot Deformity. Diagnostics, 15(3), 343. https://doi.org/10.3390/diagnostics15030343
2. "Choosing Wisely: Five Things Physicians and Patients Should Question". American Orthopaedic Foot & Ankle Society. Released September 17, 2014. For more information, visit www.choosingwisely.com.
3. John B. Ludlow, Marija Ivanovic, Weightbearing CBCT, MDCT, and 2D Imaging Dosimetry of the Foot & Ankle, International Journal of Diagnostic Imaging, 2014, Vol. 1, No. 2
4. RSNA; Radiologyinfo.org/en/info.cfm?pg=safety-xray
5. Biswas Debdut et al, Radiation Exposure from Musculoskeletal Computerized Tomographic Scans, Journal of Bone & Joint Surgery, Vol. 91-A, No. 8, August, 2009