



# EXTREMITY CT IMAGING SYSTEM

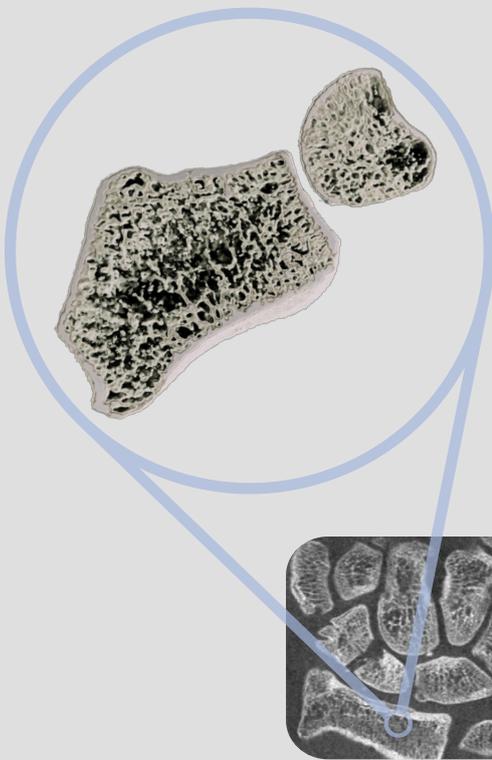
Photon-counting CT for Premium Imaging in the Community



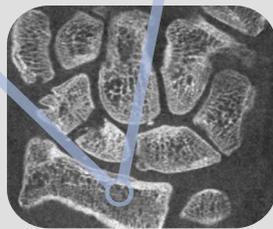
FDA 510(k) cleared

## HIGH FIDELITY IMAGING

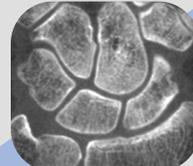
- 0.09 mm isotropic resolution
- Metal artifact reduction <sup>1</sup>
- Iterative reconstruction
- Multiplanar reformats, Colour 3D



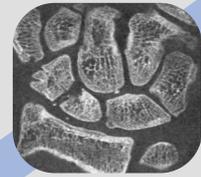
Advanced 3D view on next gen MarsVision



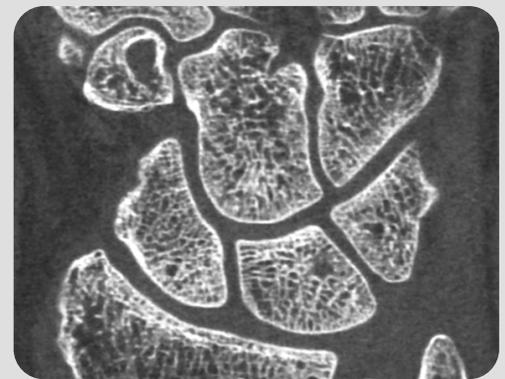
X-RAY



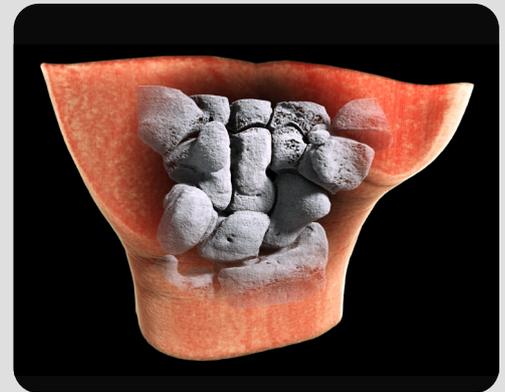
MDCT



MARS CT



Coronal reconstruction on MarsVision



Color rendered 3D on next gen MarsVision

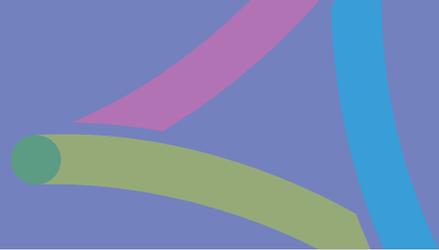
Medipix3 detector developed at CERN <sup>3</sup>



## HYPER LOW DOSE IMAGING

- Unique photon counting detector technology
- 5 times lower dose <sup>2</sup>
- Shorter geometry design





Advanced 3D rendering on next gen MarsVision



Advanced 3D rendered imaging on next gen MarsVision



Color 3D rendered imaging on MarsVision



Native metal artifact reduction



## SPACE EFFICIENT DESIGN

- Only requires 0.8 sq meter area
- Scanner on wheels
- Plug & play
- No Lead shielded room required





# BRINGING ADVANCED IMAGING TO THE COMMUNITY



## Technical Specifications

Detector : CdTe PCD

X-ray tube : 25KHU

Current : 0.010-0.35 mA

Gantry bore : 12cm

MarsVision software

## REFERENCE

<sup>1</sup> Metal artifact reduction (MAR) is achieved through features native to the technology.

The system does not include MAR algorithms.

<sup>2</sup> 5 times lower dose measured in a study by the manufacturer of CTDI<sub>vol</sub> for recommended wrist protocols on the MARS Extremity and a 64 slice MDCT, using 10cm CTDI dosimetry phantom.

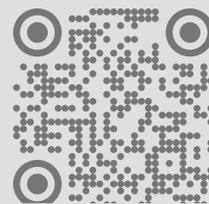
- MarsVision is a MARS proprietary post processing software

- Next Gen MarsVision software under development and available in future release

<sup>3</sup> CERN is the world's largest particle physics facility based in Geneva

**Intended Use:** The Extremity CT Imaging System is intended for x-ray computed tomography imaging of upper extremities of adult patients. The device is intended to be operated in a professional healthcare environment by qualified and trained healthcare professionals only.

**FDA 510(k) cleared**



Please scan me for more.

## CONTACT US

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Doc-1, version 1 - Extremity Scanner