



# EXTREMITY CT PHOTON COUNTING SCANNER

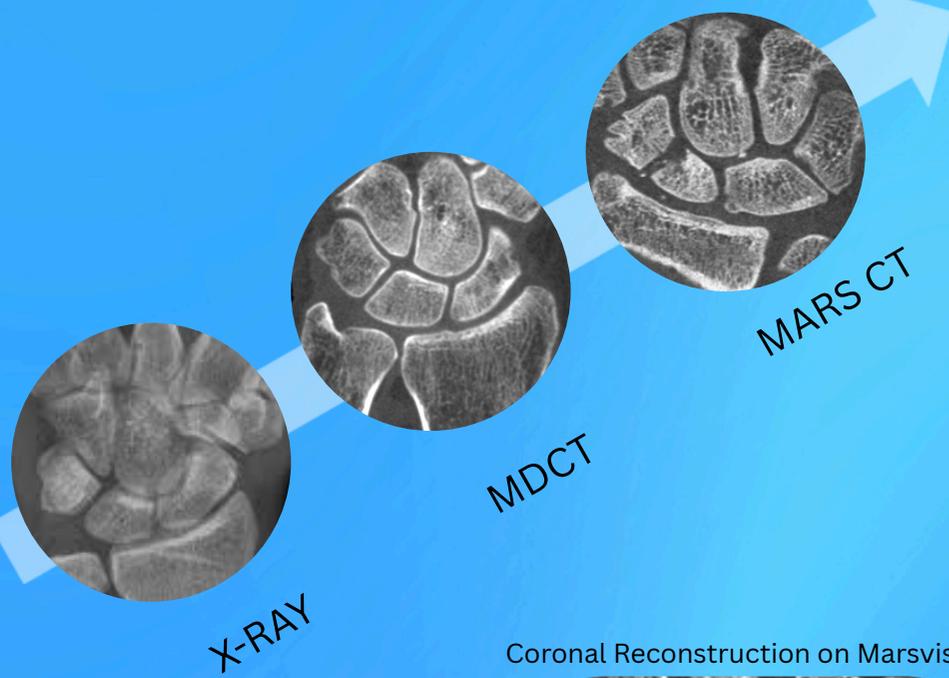


REDEFINING COMMUNITY IMAGING

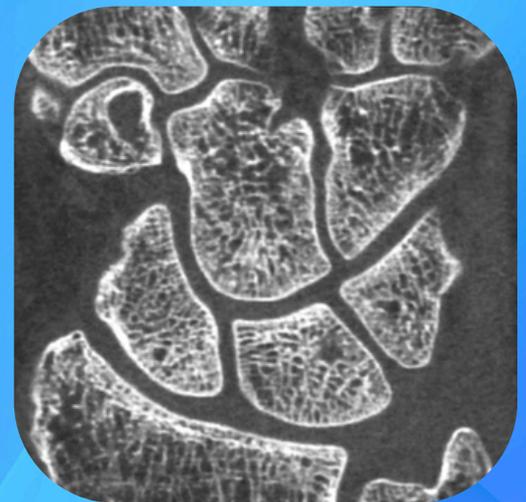


## HIGH FIDELITY IMAGING

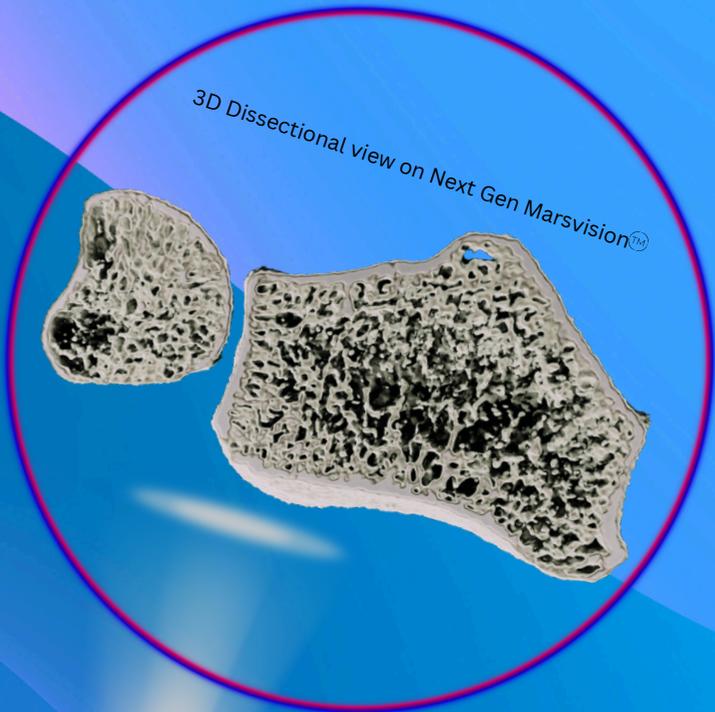
- Upto **0.09 mm** isotropic resolution
- Metal Artifact Reduction\*
- Multi Planar Reconstruction, Color 3D



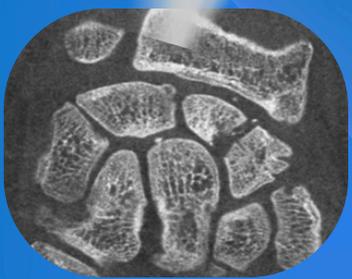
Coronal Reconstruction on Marsvision™



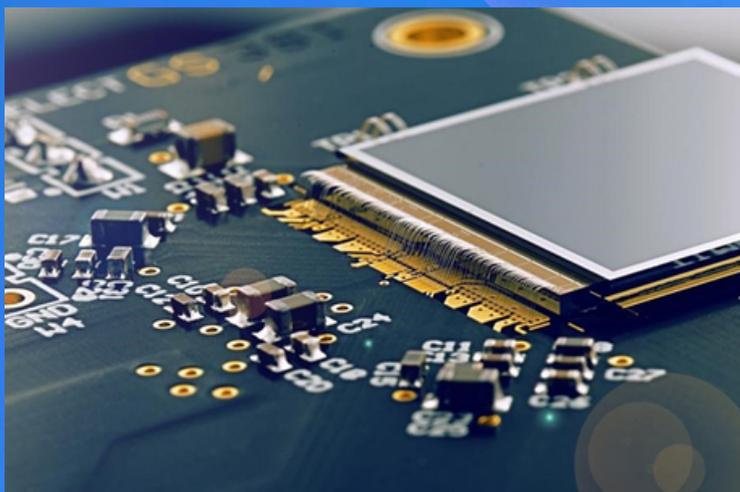
Color rendered 3D on Next Gen Marsvision™



3D Dissectional view on Next Gen Marsvision™



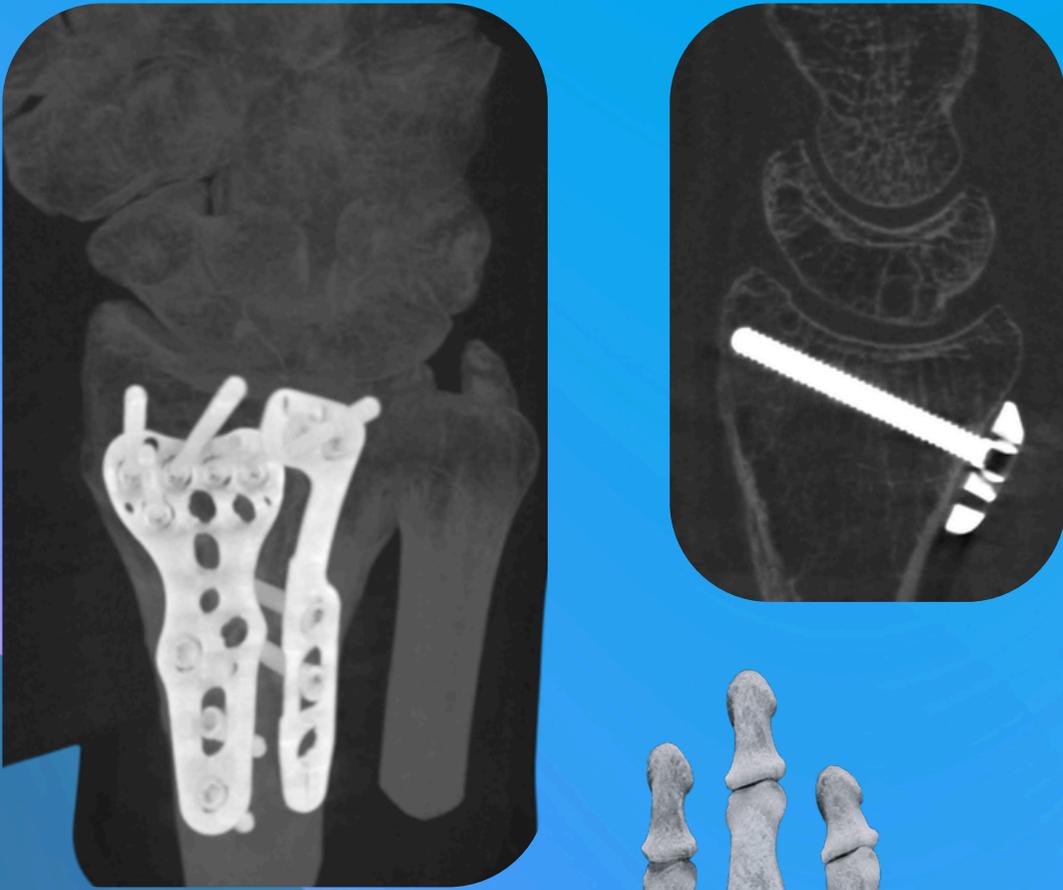
Medipix3 detector developed at CERN\*



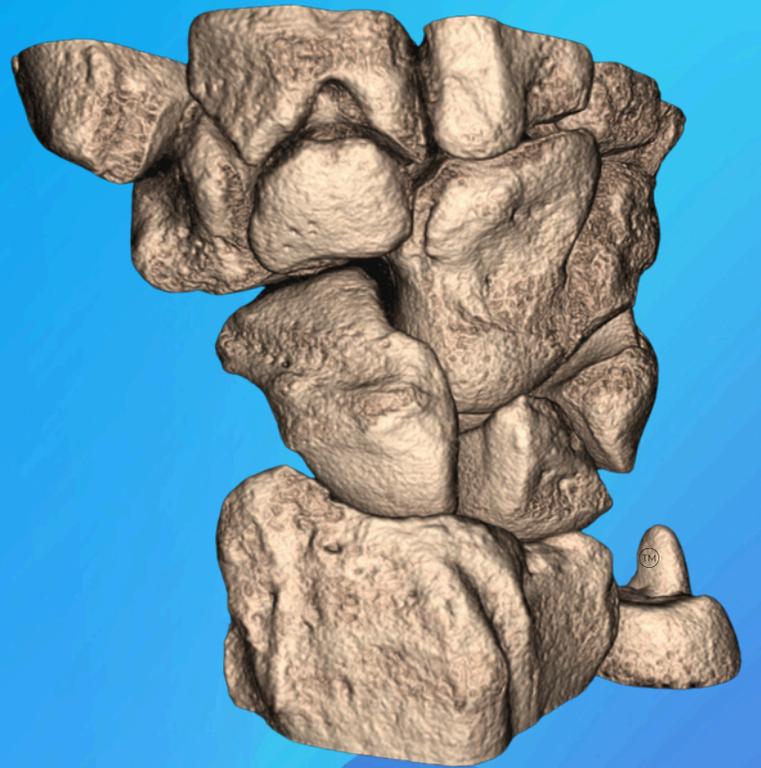
## HYPER LOW DOSE IMAGING

- Unique photon counting detector technology
- **5 times** lower dose\*
- Shorter geometry design

Native Advanced Metal Artifact Reduction



Color 3D rendered imaging on Marsvision



Advanced 3D rendering on Next Gen Marsvision<sup>TM</sup>

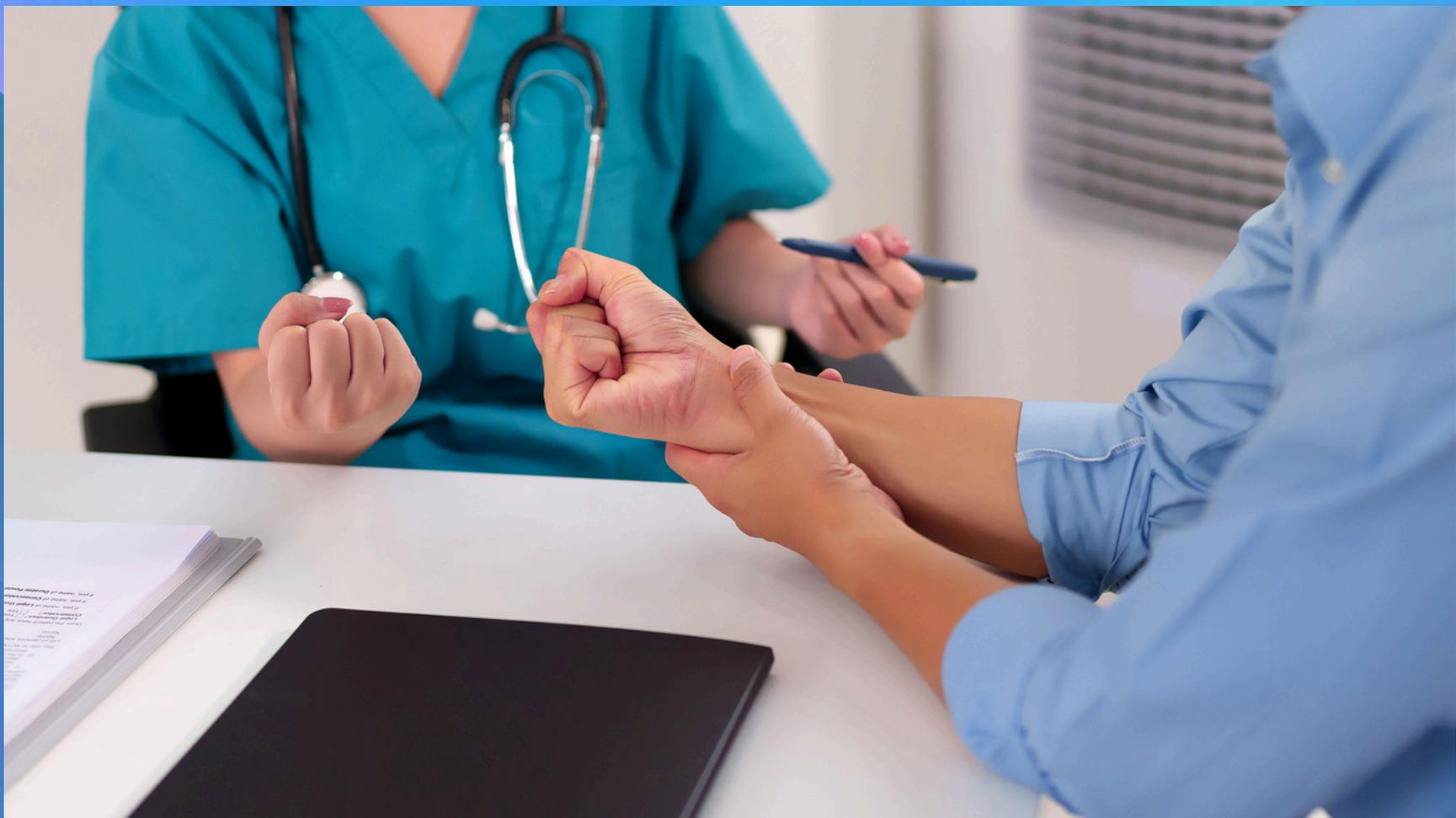


## SPACE EFFICIENT DESIGN

- Require **0.8 sq meter** area
- Scanner on wheels
- Plug & play
- No Lead shielded room require

## SPECIFICATIONS

- Detector : CdTe PCD
- X-ray Tube : 25KHU
- Current : 0.010-0.35 mA
- Gantry Bore : 12cm
- Mars Vision software



*BRINGING ADVANCED IMAGING TO THE COMMUNITY*

## REFERENCES :

- Metal Artifact Reduction can be achieved through post scan reconstruction. It is not a post processing algorithm.
- 5 times lower dose calculated under skin dose category and achieved during a phantom scan study in Mars CT scanner and compared to 64 rows EID CT
- Marsvision™ is a Mars proprietary post processing software
- Next Gen Marsvision™ software under development and available in future release
- CERN is the world's largest particle physics facility based in Geneva

## CONTACT US

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