Canon

Celesteion

PET/CT

Large Bore PET/CT

An innovative shared system that performs both CT and PET scans

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MIBR13383US MCANM0039EB

Made For life

The Celesteion Large Bore PET/CT

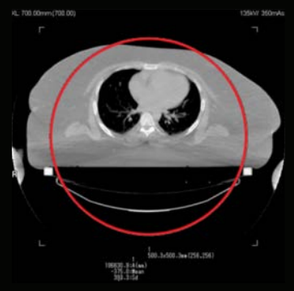
Improved Accuracy and Increased Comfort

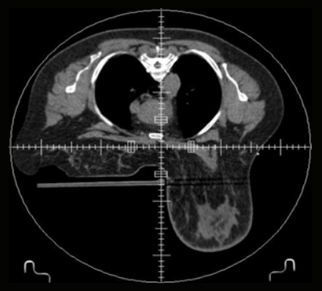
Radiation Oncology has unique demands for imaging equipment that support simulation for radiation treatment planning. From providing technology that ensures accuracy with a large CT field of view to a system design that allows for the comfortable use of treatment positioning devices, Canon Medical's Celesteion Large Bore PET/CT is in a class of its own.

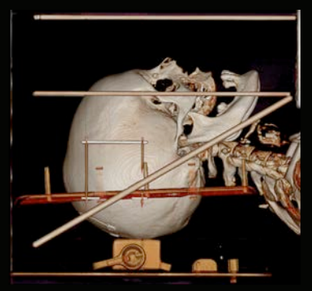
90cm open bore for an improved patient experience and better access for Oncology planning and therapy positioning

True 70cm CT field of view for accurate treatment planning with the ability to extend the field of view to 85cm.

70cm True CT Field of View







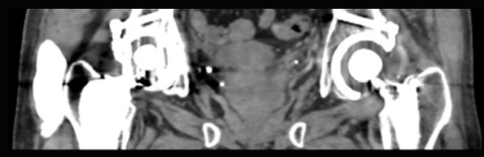
Data courtesy on file

Celesteion PET/CT accommodates therapy devices

TG-66 Compliant bed design

SEMAR (Single Energy Metal Artifact Reduction)

Canon Medical's SEMAR utilizes a technique to reduce metallic artifact, improving visualization of implants and the adjacent soft tissues for a clearer and more confident diagnosis. This feature comes standard on the Celesteion PET/CT.



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The Celesteion Large Bore PET/CT

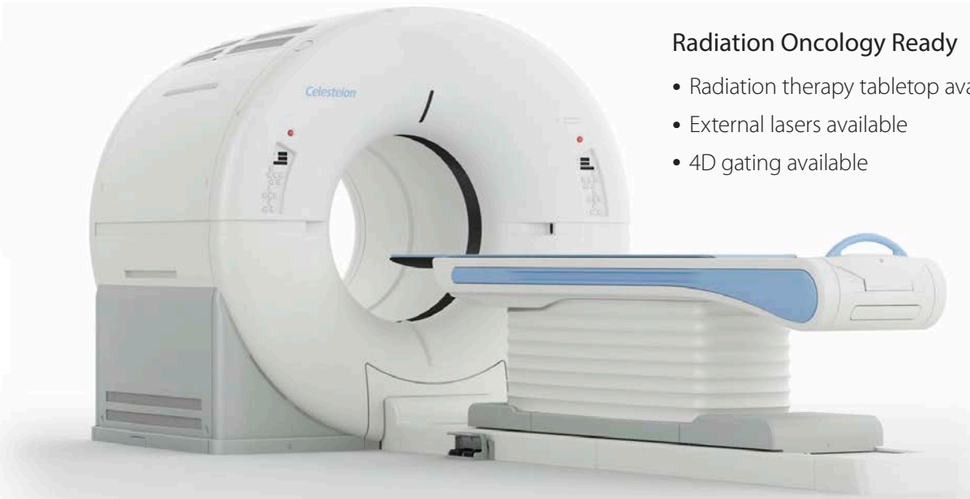
Offering PET imaging with the industry's largest bore

The Celesteion PET detector offers a unique design that incorporates photomultiplier tubes (PMT) of different sizes. This design provides a performance with highest performing Time-of Flight available on a PMT system. This coupled with the largest bore in PET imaging makes it a powerful tool for radiation oncology departments who look to incorporate PET data in therapy planning.

Celesteion

Premium PMT Design

- 4mm x 4mm Lu-based crystals
- Unique detector design of mixed PMT sizes
- 394 ps (typical) Time-of-Flight
- Radial: FWHM@10cm 1.98mm*
- Axial: FWHM@10cm 2.01mm*
- Transaxial: FWHM@10cm 2.04mm*



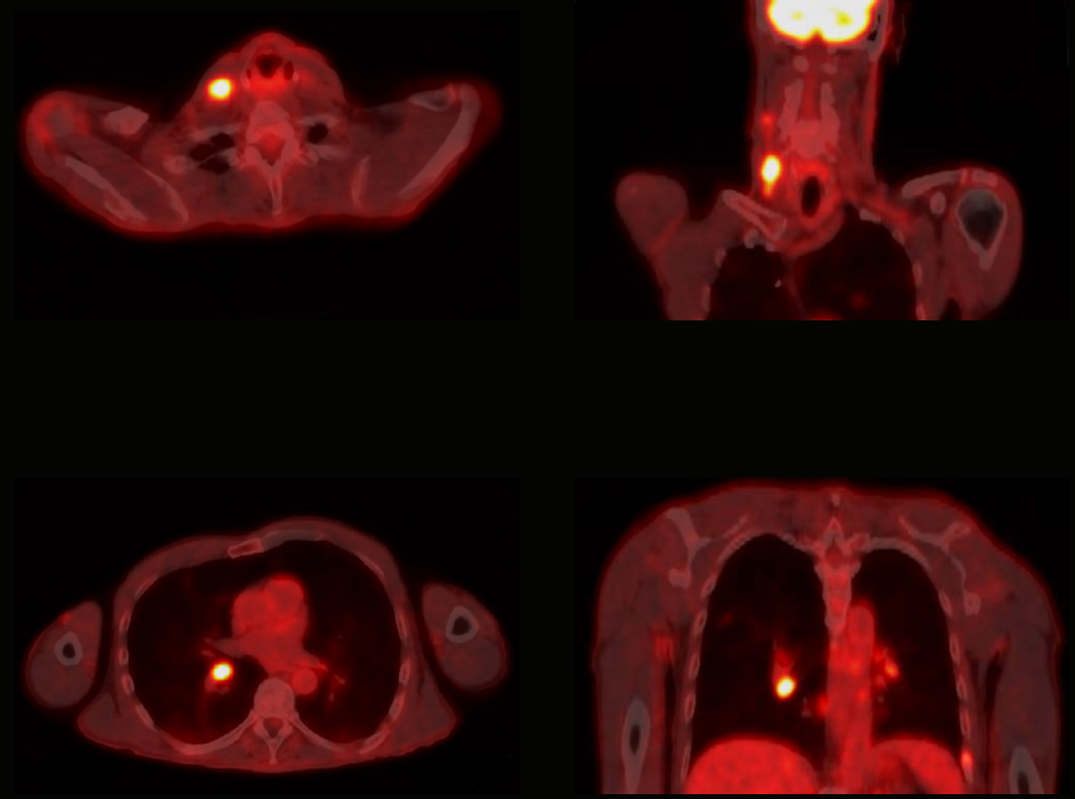
Radiation Oncology Ready

- Radiation therapy tabletop available
- External lasers available
- 4D gating available

*PSF Reconstruction Spatial Resolution is Optional

Metastatic Squamous Cell Right Neck

- BMI 20.3
- 13.8mCi ^{18}F-FDG
- 2.5 min/bed
- 45 min uptake
- 20 min total scan time



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