Canon
CANON MEDICAL

"The practice domain of emergency radiology is wide, ranging from nonemergent to catastrophic and is ever widening as patients increasingly turn to the ED for both acute and chronic medical conditions."[1]

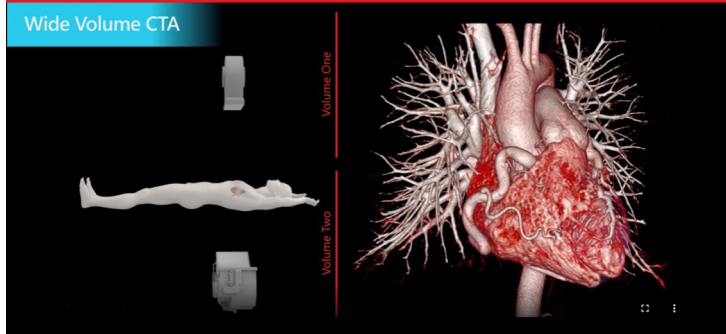## Solutions for Unique Imaging Situations

Emergency Department visits have been increasing 2% for the past 20 years, and imaging utilization in the ED has increased 15%.[1]

Advanced technologies and applications for emergency radiology
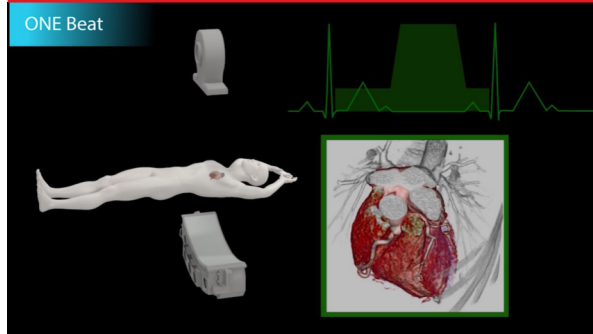
SURECardio Wide Volume CTA[2]

Wide Volume CTA

- Triage chest pain in minutes
- Allows for large anatomical areas to be covered quickly and to be reconstructed and reviewed in one image data set
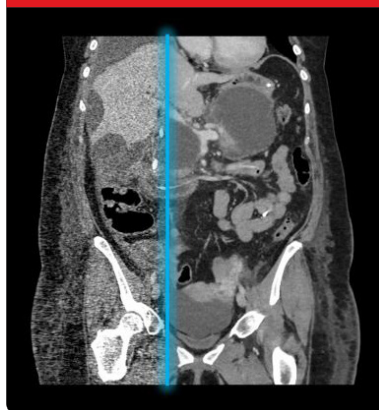
SURECardio ONE Beat[2]

ONE Beat

- Coronaries, wall motion, ejection fraction and functional analysis in ONE heartbeat
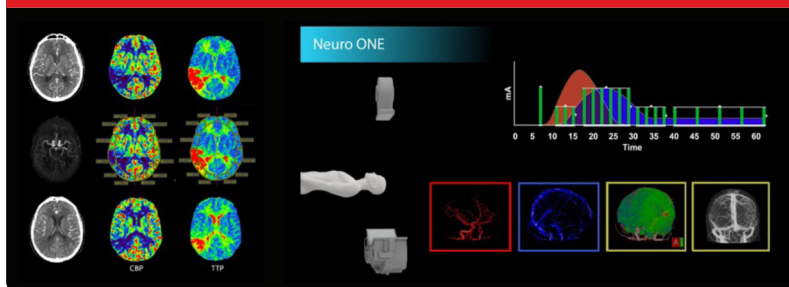
Artificial Intelligence for CT[3]

- Advanced Intelligent Clear-IQ (AiCE) fully integrates Deep Learning Reconstruction (DLR) technology with sharp, clear, and distinct images, at low dose
- AiCE supports improved image quality and dose reduction

SEMAR (Single Energy Metal Artifact Reduction)

- Automated prospective and retrospective metal artifact reduction
- Improving visualization of metal artifacts, implants and the adjacent soft tissues

Volumetric brain perfusion with Neuro ONE Protocol[2]

Neuro ONE

- 16 cm coverage, volumetric scanning
- Whole brain perfusion and dynamic CTA
- Entire study can be acquired in 60 seconds
- Automatic processing application provide perfusion maps and CT DSA information to your network in under 5 minutes

[1] Chong, Suzanne & Robinson, Jeffrey & Davis, Melissa & Bruno, Michael & Reddy, Sravanthi & Pyatt, Robert & Friedberg, Eric. (2019). Emergency Radiology: Current Challenges and Preparing for Continued Growth. Journal of the American College of Radiology. 16. 10.1016/j.jacr.2019.03.009.
[2] Optional on Aquilion ONE/GENESIS Edition and Aquilion ONE/PRISM Edition
[3] Optional

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