

PACS

Keep Yourself Connected

Radiology Medical Group is committed to providing physicians with up-to-date, easily accessible patient information, in conformance with HIPAA security standards. Using our **Picture Archiving Communication System (PACS)**, we provide physicians instantaneous access to images, using a computer instead of film.

PACS delivers:

- Intelligent productivity tools
- Advanced visualization applications
- An advanced mammography workflow
- Cross Enterprise Display
- Access from anywhere
- Image enable your EMR

If you would like to gain access to RMG's PACS system or if you are an existing user, and require assistance contact RMG's IT department

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831.476.7711 ext. 1060
Email:
rmgsupport@psmmis.com

For CT or MRI:

Santa Cruz Comprehensive
Imaging, L.L.C.
1685-B Commercial Way
Santa Cruz, CA 95065

Our Other Locations:

Radiology Medical Group of
Santa Cruz County, Inc.
1661 Soquel Drive, Bldg. G
Santa Cruz, CA 95065
X-Ray, Ultrasound, Dexa, HSG,
Arthrography

Dominican Breast Center,
L.L.C.
1661 Soquel Drive, Bldg. G
Santa Cruz, CA 95065
Mammogram and Breast Studies

Dominican MRI Center
1545 Soquel Drive
Santa Cruz, CA 95065
MRI

South County Imaging
108 Green Valley Road, #B
Freedom, CA 95019
MRI

Medical services provided by



Phone: (831) 476-7711
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Computed Tomography



Introducing...

Revolution EVO

128 Slice

Lowest Dose Radiation

More than high tech. Higher purpose.

Radiology Medical
Group of Santa Cruz
County, Inc.

Radiology Medical Group is proud to announce the recent installation of the latest advancement in computed tomography, GE's Revolution EVO. Revolution EVO's innovative technology is designed to:

- reduce noise levels
- improve low-contrast detectability
- reduce radiation doses in routine imaging

Key technologies enablers include:

- Clarity imaging chain with new X-ray tube, Detector and IR technology overcome image performance challenges such as **noise, spatial resolution, low contrast detectability or artifact.**
- By applying more advanced modeling and optimization technologies in projection- and image-space as part of the iterative reconstruction process. **ASiR-V provides dose reduction well beyond that of ASiR**, while maintaining low-contrast detectability.



- SnapShot Freeze is designed to reduce blurring artifacts due to motion in coronary vessels that cannot be addressed by gantry speed alone. Providing up to a 6X improvement, while maintaining high spatial resolution.

- SnapShot Pulse mode is for low dose imaging of the coronary arteries. SnapShot Pulse can also be used to image structures that are near to the heart and may be affected by heart motion such as thoracic aortas or pulmonary arteries.

- **Organ Dose Modulation provides reduction of radiation dose via X-ray tube current modulation for superficial tissues, such as breasts.** ODM may enable equivalent pixel noise standard deviation without decreasing productivity as with the use of conventional superficial dose reduction techniques.

- Exceptional one stop scanning mode provides a streamlined workflow on the Xstream Display such as "Patient selection", "Protocol selection" and "Confirm". Pre-scanning can be accomplished in as few as five touches.

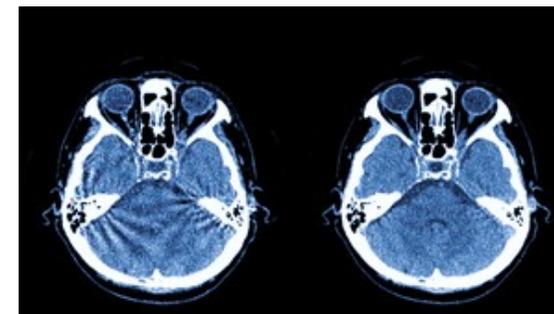
- Volume Helical Shuttle is a continuous scan technique that is a bi-directional scan mode, covers up to 312.5mm for **4D imaging.**

- Overlapped reconstruction feature enables 128 slices per rotation in axial scanning modes and delivers improved Z-axis visualization performance

Revolution EVO is designed to provide the high-resolution, low-dose images and answers that increase your confidence—even when performing advanced procedures. It helps you stay on

Without IQE

With IQE



IQ Enhance (IQE) reconstruction reduces helical Artifact Index in thin slice helical scanning. This reduction in artifacts makes it possible to scan at faster helical pitches.

ASiR-V

(adaptive statistical iterative reconstruction)

ASiR-V is the newest technology in GE's family of industry-leading iterative reconstruction techniques.

ASiR-V allows healthcare providers to lower dose by 50% to 82% as compared to standard filtered back-projection (FBP) reconstruction at the same image quality.

ASiR-V extends the advanced noise and dose reduction technologies of ASiR. Existing iterative reconstruction, such as ASiR, models the noise in a way that is adaptive to the mA, kV and **body habitus** of the patient.

Compared to ASiR, ASiR-V offers:

- **Improved noise & dose performance beyond what is possible with ASiR.**
- **Improved spatial resolution without compromise in image noise.**
- **Reduced streak artifacts due to better handling of photon-starvation with its unique**