



SIEMENS



User
Services



Optimize CARE CT

Ensure your staff maximizes dose reduction techniques and protocols in daily clinical routine.

www.usa.siemens.com/optimizect

Answers for life.

Increasing Benefits. Minimizing Risk.

Today, you need to be sure your staff is taking the necessary steps to reduce radiation dose during routine CT exams, ensuring they are as safe and as beneficial for your patients as possible.

Why? Because CT exams make up approximately 18% of imaging procedures, yet they account for more than 50% of the collective medical dose. Siemens is working to bring that number down.

“Our collaboration with Siemens—and this was a collaborative effort—exceeded our expectations.”

“The 28 radiologists are very pleased with the image quality, and when our technologists tell patients being imaged on the scanners, they are impressed too. It was a win-win initiative with a lot of planning and work, but little pain.”

Kevin L. Rush, Administrator of Imaging Services
TriHealth Bethesda North Hospital, Cincinnati OH

Customer took advantage of the entire program (both the basic and advanced).



We’re offering two innovative training programs—as part of our Optimize CARE CT service—to educate your staff about how to successfully implement dose reduction techniques and protocols into your daily imaging routine.

These programs will help ensure all of your staff members are maximizing the dose reduction technology on your SOMATOM® CT system, so you can improve patient safety and departmental workflow.

Optimize CARE CT consists of two programs:

- Optimize CARE CT – Low Dose Education
- Optimize CARE CT – Advanced with Consulting

You can begin with the basic program and then expand to the advanced program, depending on your needs.

Optimize CARE CT – Low Dose Education

This consists of education to provide a comprehensive understanding of dose awareness, utilization, and protocol optimization on your SOMATOM CT scanner. The main objectives are to review dose reduction strategies and demonstrate adaption of CT parameters to the patient following the ALARA (As Low As Reasonably Achievable) principle—keeping dose as low as possible while still deriving the necessary image quality and thus appropriate diagnosis for adults and children.

By participating in this program, your staff will be able to:

- Learn system hardware techniques to further reduce radiation dose.
- Understand the universal descriptors and how they are applied to measuring radiation.
- Better understand dose reporting documentation software.
- Immediately apply dose reduction tips in clinical routine.

What the program includes:

1. Presentations and discussions with an onsite Clinical Education Specialist regarding methods and strategies to reduce and better manage dose, including software and hardware solutions pertinent to your SOMATOM CT scanner.
2. Hands-on protocol optimization with a focus on dose reduction techniques, methods, and strategies available on your CT scanner.
3. Dedicated web-based training focusing on radiation output (dose), image quality, automatic exposure control systems (CARE Dose4D), X-ray tube voltage (CARE kV), clinical techniques, and clinical practices.

Optimize CARE CT – Advanced with Consulting

Enhancing the Optimize CARE CT – Low Dose Education offering, Optimize CARE CT – Advanced with Consulting can help further your dose reduction in routine CT examinations through a collaborative approach between your staff and an onsite Clinical Education Specialist.

As part of Optimize CARE CT – Advanced with Consulting, you will receive:

- An in-depth analysis of your baseline CT dose performance, including a review of the findings and department-specific recommendations for dose reduction.
- Implementation support for dose reduction in routine CT examinations.
- Optimized scan protocols.
- A tested dose reduction strategy that permits image quality acceptance.
- A review of your CT system workflow and any recommendations for greater efficiency.

When to use Optimize CARE CT – Advanced with Consulting:

- Ideally, 6 to 12 months after initial system education and your facility achieves stable clinical protocols and operative status at the scanner.

To deliver the most effective training possible, our experts will monitor your progress and guide you all the way through change implementation.

The Benefits of Optimize CARE CT

Staff members who successfully complete both components of Optimize CARE CT will have the knowledge and skills to reduce radiation dose exposure in routine CT examinations. By reducing radiation dose exposure in CT, your facility can more efficiently improve patient safety, enhance referring physician satisfaction, and minimize risk.

In addition, your organization may experience:

- Better return on investment due to appropriate scanner utilization.
- Improved dose reduction consistency across staff members and shifts.
- Enhanced hospital reputation among industry peers and public.

Get started today.

You can achieve better, more efficient radiation dose reduction in routine CT examinations. Contact us at **1-888-221-8010**, option 1, 4 or email us at **clinicaleducation.healthcare@siemens.com** today to learn how to get started.

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