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Optimize CARE CT

Achieving the Right Dose

Answers for life.

User
Services

Driven by More.

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Are you driven by



reducing medical radiation exposure for routine CT examinations?

utilizing technical advances to their full potential for the benefits of your patient?



instill consistent awareness among your staff for the safe use of diagnostic radiation ?



We can help you with

A photograph of three medical professionals in a meeting. A woman in the center is gesturing with her hands while speaking to a man on the left and a man on the right who is smiling. They are all wearing light blue scrubs or lab coats.

Optimize CARE CT

An innovative consulting service which aims to reduce radiation exposure in routine CT examinations without compromising diagnostic image quality.

**User
Services**

Optimize CARE CT

Four steps to right dose management



Optimize CARE CT consulting project spans more than **10 weeks** from start to end

Data collection and analysis of baseline CT dose status

1

Preparation

Presentation of baseline status and change initialization

2

Consulting

Remote support and monitoring of change progress

3

Monitoring*

Presentation of results and project closure

4

Closure

* Duration of the monitoring phase depends on speed of change implementation

■ Offsite ■ Onsite

Optimize CARE CT

Key benefits of this program

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- In depth analysis of your CT dose baseline
- Customized training on dose analytics and the appropriate use of right dose technologies
- Optimization of scan protocols
- Easy implementation; adapted to daily workflow
- Clinical support during the monitored change process

**Learn from customers who had enjoyed the
benefits of Optimize CARE CT**

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Voice of the customers.

The statements by Siemens' customers described herein are based on results that were achieved in the customer's unique setting. Since there is no "typical" hospital and many variables exist (e.g., hospital size, case mix, level of IT adoption) there can be no guarantee that other customers will achieve the same results.

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Optimize CARE CT Voice of the customer

“ It is very satisfying to have the technologies which enable us to achieve excellent diagnostic outcomes at lower dose. Despite the very busy CT practice, this program had helped us to achieve this remarkable outcome in dose reduction. ”



Dr. Anthony Upton,
CT Radiologist

Capital Radiology Vermont, Melbourne, Australia

Large Private Practice (> 40 exams/ day)

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Chest	- 49% Q.Ref.mAs
KUB	- 44% Q.Ref.mAs
Abdomen	- 32% Q.Ref.mAs
L-Spine	- 25% Q.Ref.mAs
C-Spine	- 18% Q.Ref.mAs
Brain	- 17% Q.Ref.mAs

Dose reduction achieved in
~80%
of CT exams

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Optimize CARE CT Voice of the customer

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“Reducing the CT dose is useful for patients who require multiple CT scans and exams. This initiative has enhanced the image of this hospital as a premium care provider in this region.”



Dr. Francis Lau,
Chief Consultant Radiologist

Island Hospital, Penang, Malaysia

Private medical center (240 beds)

Routine brain	-20% CTDI _{vol}
Contrast abdomen	-32% CTDI _{vol}
CT urinary exam	-30% CTDI _{vol}

Dose reduction achieved in
~80%
of CT exams

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Optimize CARE CT Voice of the customer

“Optimize CARE CT provides detailed knowledge and techniques on lowering dose and its implementation needs dedicated focus.
The concept is worth advocating.”



Professor Wu Bing
Lead Radiologist for Optimize CARE CT

West China Hospital, Chengdu, China

Large teaching hospital (>4000 beds)

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Contrast abdomen	-20% CTDI _{vol}
Abdomen CTA	-16% CTDI _{vol}
Non-contrast thorax	-15% CTDI _{vol}
Spine	-15% CTDI _{vol}

**Dose reduction achieved in
~50%
of CT exams**

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Optimize CARE CT Voice of the customer

“ It is really important to understand the various dose reduction capabilities of the scanner and how best to apply them in the clinical setting. Despite already being a Low Dose site, it is always good to receive more tips and tricks which can help to reduce dose further. ”



Liz Darcy
CT Clinical Specialist

Wexford General Hospital, Wexford, Ireland

Small public hospital (240 beds)

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Brain	-17% Q.Ref.mAs
Chest Abdo-pelvis	-18% Q.Ref.mAs
Pulmonary CTA	-20% Q.Ref.mAs
C-spine	-14% Q.Ref.mAs

Dose reduction achieved in
~80%
of CT exams

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Optimize CARE CT Voice of the customer

“We were concerned about radiation dose in several types of exams such as brain or pediatric CT. Now patients benefit from a lower dose at the same image quality.”



Dr. Maria Korn
Radiologist

Krankenanstalt Rudolfstiftung, Vienna, Austria

Medium-size public hospital (800 beds)

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Brain exam with CARE Dose4D	-30% CTDI _{vol}
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Contrast abdomen	-37% CTDI _{vol}
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**Dose reduction achieved in
~90%
of CT exams**

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Optimize CARE CT Voice of the customer

“We have a lot of follow-up patients from oncology and the image quality change was not noticeable.
Diagnosis wise – no problem.”



Hendriks & A. van Niewenuizen
CT technologists

Cape Gate Medi Clinic, Cape Town, South Africa

Small private medical clinic (200 beds)

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Brain	-11% CTDI _{vol}
Contrast abdomen	-16% CTDI _{vol}
Contrast chest	-32% CTDI _{vol}

Dose reduction in
~85%
of CT exams

Optimize CARE CT

We help you to

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- Reduce radiation exposure in routine CT exams without compromising diagnostic image quality
- Utilize dose reduction technologies appropriately
- Enhance institution's image as a responsible healthcare provider

**User
Services**

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Siemens Healthcare Customer Services



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