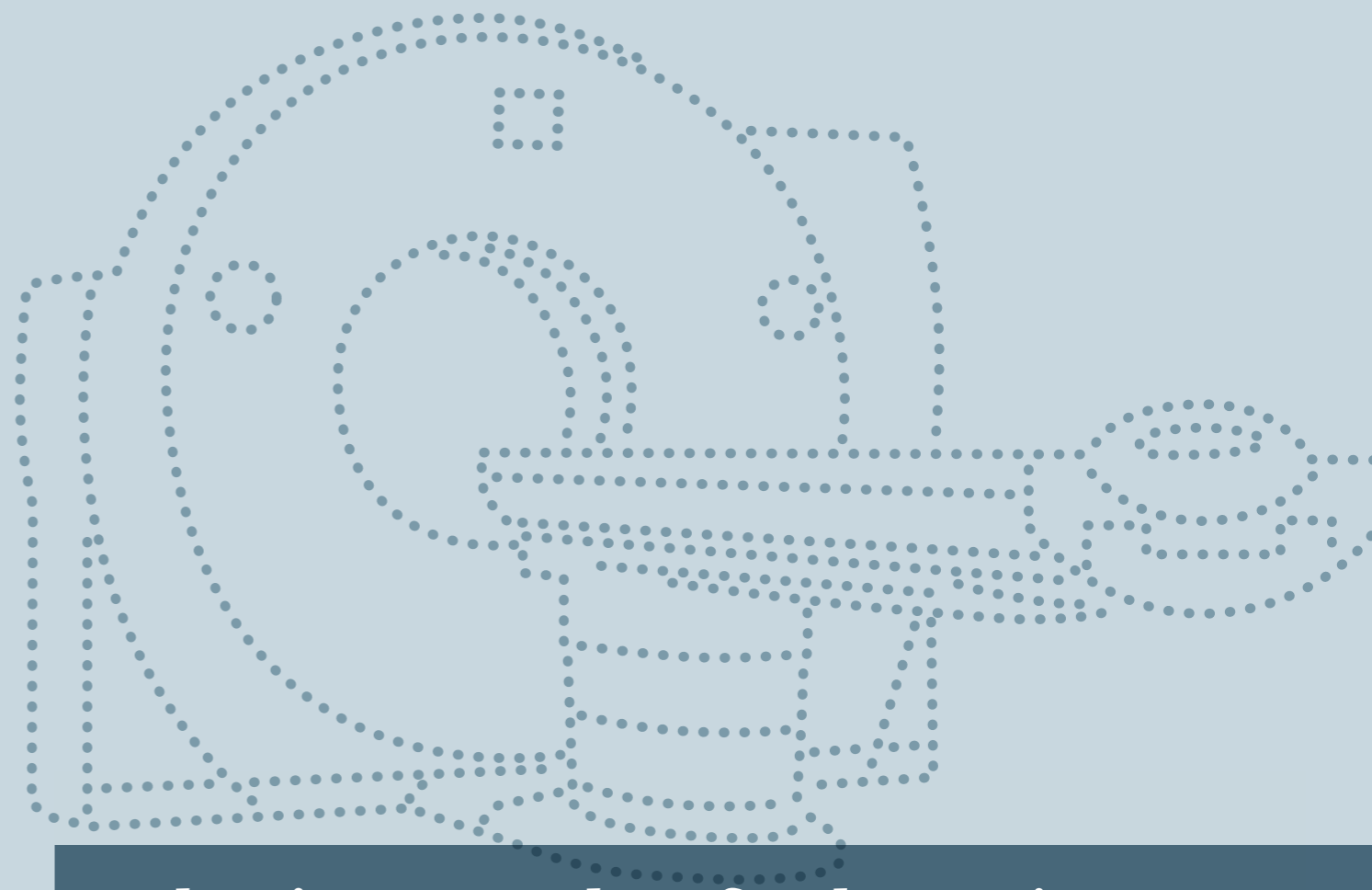


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Slice and Stellar Detector upgrades expand the capabilities of your SOMATOM® Definition AS to deliver unmatched diagnostic image quality at extremely low doses.

60%

Up to 60% dose reduction

More than 60% price reduction (through December 31, 2016)

Increasing slice capacity supports faster exams that can reduce scan and breath hold times for a variety of exam types—even for obese and pediatric patients. More slices can also help decrease the potential for image artifacts and costly repeat scans, as well as expedite speed to diagnosis and improve patient throughput and satisfaction.

Adding the Stellar Detector (to a 128-slice configuration) delivers the maximum image detail and up to 60% dose reduction with SAFIRE technology.¹

These cost-effective upgrades support new offerings like low-dose cardiac and lung imaging, which can help you increase referrals and be more competitive.

Comparison of Scan Times by Slice Configurations²
(based on our default protocols)

Exam Type	AS 20	AS 40	AS 64	AS+ (128 slices)	Coverage Area
Head	20s	20s	13.14s	7.3s	120 mm
C-Spine	18.44s	18.44s	12.09s	6.81s	160 mm
Cardiac	N/A	N/A	9.86s	5.89s	120 mm
Chest	11.8s	11.8s	7.26s	3.98s	300 mm

¹ In clinical practice, the use of SAFIRE may reduce CT patient dose depending on the clinical task, patient size, anatomical location, and clinical practice. A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task. The following test method was used to determine a 54-60% dose reduction when using the SAFIRE reconstruction software. Noise, CT numbers, homogeneity, low-contrast resolution, and high-contrast resolution were assessed in a Gammex 438 phantom. Low-dose data reconstructed with SAFIRE showed the same image quality compared to full-dose data based on this test. Data on file.

² The table illustrates how scan time decreases as slice count increases. The scanner can acquire more data per time period, enabling it to minimize heart, abdominal, and breathing motion. Reduce breath hold times and potentially reduce repeat scans. Results may vary depending on the facility and clinical practice. Data on file.



With cost-effective upgrades that support faster exam times with less dose and uncompromised image quality

Visit usa.siemens.com/lowdosect to learn how Canton-Potsdam Hospital is achieving these benefits and more—gaining a market advantage around high-quality, low-dose imaging.