



What's your  
SPECT's IQ?

# Introducing IQ•SPECT.

The world's first intelligent SPECT.

[www.siemens.com/mi](http://www.siemens.com/mi)

**SIEMENS**



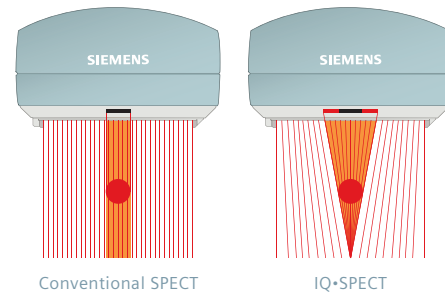
## The brains behind a 5-minute cardio workup.

IQ-SPECT is not just a step towards the future. It's a giant leap forward. The world's first intelligent SPECT technology. With IQ-SPECT, you can get more information from the heart in 5 minutes than you'd get with a conventional SPECT in 20 minutes. Its dual **SMARTZOOM** collimators work in tandem to track the heart and keep it in the sweet spot at all times. So the acquisition can be quick and accurate, resulting in unmatched patient comfort and unequalled throughput.

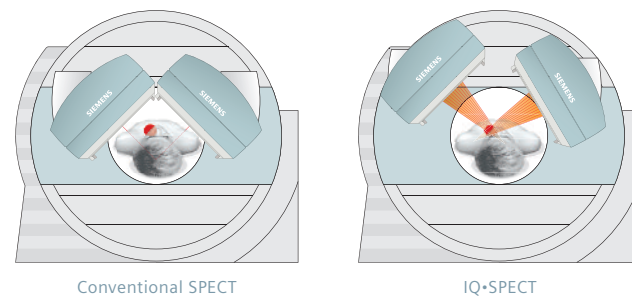
# Intelligent because it gets more information faster.

IQ-SPECT needs only 4 minutes for a full-count SPECT scan. And just 60 seconds more for CT-based attenuation correction and calcium scoring. Its inventive **SMARTZOOM** collimators, placed in a cardio-centric orbit, collect maximum information from the heart in the least amount of time.

**SMARTZOOM** collimators center on the heart, collecting up to 4 times more counts than parallel hole collimators. These collimators magnify the heart while still capturing counts from the entire body, so truncation is virtually eliminated.



IQ-SPECT's cardio-centric orbit is centered on the heart instead of the gantry's mechanical center. This ensures that the heart is always in the **SMARTZOOM** collimators' magnification area.



How about more counts in  
a fraction of the time?





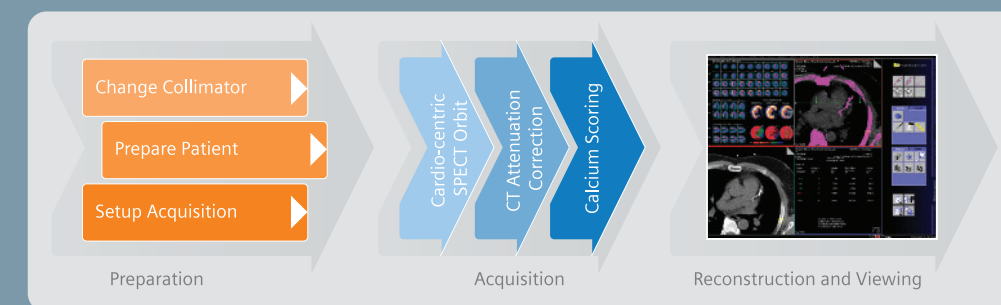
What time do you want  
to start tomorrow?



## Intelligent because it integrates seamlessly with your automated workflow.

IQ-SPECT is fully compatible with all of Symbia's industry-best, productivity features like automatic collimator changer and automatic quality control. It intelligently combines the newest technology with automatic image processing and display functions to give you unprecedented, fingertip convenience and hassle-free management of your system.

### IQ-SPECT workflow



Whether your Symbia includes automatic collimator changer or automatic quality control, IQ-SPECT with **SMARTZOOM** collimators, fits right into your workflow. IQ-SPECT sets the standard for convenience with automatic study-based setup, reconstruction, quantification, and visualization of SPECT and calcium scoring results in one integrated display.

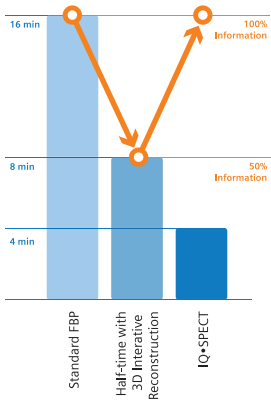


Would you like more counts  
with reduced dosage?

# Intelligent because it adapts to every situation today and tomorrow.




The intelligent technology intuitively adapts to various patient populations. It gives you the flexibility to reduce dosage for children or get more information for bariatric patients. And it is field upgradeable for all Symbia S and T units, so every Symbia can now have more IQ than ever before.

Fast, full count scans



IQ-SPECT delivers as many counts as a conventional full-time SPECT in 1/4th of the time.

Adaptability for various patient populations

	Regular SPECT			IQ-SPECT		
	DOSE	TIME	IMAGE QUALITY	DOSE	TIME	IMAGE QUALITY
 Average	Full	16 minutes	Excellent	Full	4 minutes	Excellent
 Pediatric	Half	16 minutes	Sub-Optimal	Half	8 minutes	Excellent
 Bariatric	Full	16 minutes	Sub-Optimal	Full	8 minutes	Excellent

IQ-SPECT's short scan time minimizes motion artifacts and enhances patient comfort, resulting in excellent image quality for various patient populations. IQ-SPECT also provides the flexibility to adapt to challenging image situations, offering superior image quality for bariatric patients or for pediatric patients with low dosage.

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