IQ SPECT: Differentiator from competition

- IQ•SPECT is a fast cardiac imaging solution that is offered on Symbia SPECT and SPECT/CT systems.
- It uses a combination of three unique approach to deliver **ultrafast cardiac imaging**:
    1. converging collimators (SMARTZOOMTM collimators)
    2. modified cardio-centric acquisition
    3. and special reconstruction methods (IQ•SPECT reconstruction)
- **4 times faster** than conventional SPECT acquisition, with **scan times as low as four minutes** per acquisition.
- This unique approach can be combined with or added to a general-purpose gamma camera or SPECT/CT, so the system is able to perform **all routine clinical applications, as well as ultrafast cardiac scans, with just a change in collimators and acquisition mode.**
- Enabling the department **to perform a larger volume and a wider range of procedures without additional dedicated equipment and space requirements** with **existing general-purpose gamma camera or SPECT/CT,.**
- IQ•SPECT is an intelligent solution, collecting **four times as many counts** from the heart during a myocardial perfusion SPECT study on a Symbia imaging system **while maintaining the same resolution as a low-energy, high-resolution (LEHR) collimator.**
- The additional count statistics can be used **to reduce the acquisition time** or **reduce the injected dose by up to 75 percent.**
- This flexibility also allows **optimized combination of a reduction in injected dose together with a decrease in acquisition time to suit individual department requirements.**