

## **Maximum image quality, minimum radiation dose: Siemens announces the International CT Image Contest winners**

Siemens Healthcare has announced the winner of the "International CT Image Contest 2011". Institutions and clinics around the globe submitted their best clinical images, taken with the lowest possible radiation dose on Siemens CTs, to a jury of internationally renowned professors.

Great Ormond Street Hospital for Children NHS Trust takes home the prize for best image quality and lowest radiation dose.

More than 627 submissions from over 43 countries were received and the entries were judged by a jury of eight internationally renowned radiology professors. The image has earned Great Ormond Street Hospital an exclusive 'Siemens Low Dose Expert' seal.

Carol Young, Radiographer at Great Ormond Street Hospital for Children NHS Foundation Trust, submitted the winning entry in the Cardiac category for her 'Tetralogy of Fallots' case. The image, which was captured on a Siemens Healthcare Definition scanner, was chosen for its image quality and obtained using the lowest radiation dose.

Carol said: "I was both happy and surprised to hear that I had been nominated for my Tetralogy of Fallot image, which showed the four defects including connection between the ventricles and the absence of the pulmonary valve. Hearing that I had won was real honour – every radiology professional strives to achieve best diagnostic quality at the lowest possible dose. Particularly in

paediatric imaging it is crucial to minimise the associated radiation risks, as children are more sensitive to radiation exposure.”

The SOMATOM Definition DS is a first generation Dual Source CT system that uses two X-ray sources and two deflectors at the same time to provide double the temporal resolution, twice the speed and power while lowering the dose. The system allows any heart and heart rate to be scanned without the need of beta-blockers at a low radiation dose.

Russell Lodge, CT Business Manager at Siemens Healthcare, said: “The SOMATOM Definition scanner is ideal for paediatric imaging – not just for the unusual congenital conditions such as this Tetralogy of Fallot case, but across a wide range of procedures and we wonder what Carol would have achieved with the latest higher performing ‘Flash’ dual source system. We are delighted that a long term UK Siemens customer has received acclaim in the international image contest with over 600 entries.”

-Ends-

**Notes to editors:**



**Picture caption:** Winning entry ‘Tetralogy of Fallots’ case

**About Siemens Healthcare**

The **Siemens Healthcare Sector** is one of the world's largest suppliers to the healthcare industry and a trendsetter in medical imaging, laboratory diagnostics, medical information technology and hearing aids. Siemens offers its customers products and solutions for the entire range of patient care from a single source – from prevention and early detection to diagnosis, and on to treatment and aftercare. By optimising clinical workflows for the most common diseases, Siemens also makes healthcare faster, better and more cost-effective. Siemens Healthcare employs some 51,000 employees worldwide and operates around the world. In fiscal year 2011 (to September 30), the Sector posted revenue of 12.5 billion euros and profit of around 1.3 billion euros. For further information please visit: [www.siemens.com/healthcare](http://www.siemens.com/healthcare).

**About Siemens in the UK**

Siemens was established in the United Kingdom 169 years ago and now employs 12,972 people in the UK. Last year's revenues were £4.4 billion\*. As a leading global engineering and technology services company, Siemens provides innovative solutions to help tackle the world's major challenges, across the key sectors of energy, industry, infrastructure & cities and healthcare. Siemens has offices and factories throughout the UK, with its headquarters in Frimley, Surrey. The company's global headquarters is in Munich, Germany. For more information, visit [www.siemens.co.uk](http://www.siemens.co.uk)

\* Data includes intercompany revenue. Data may not be comparable with revenue reported in annual or interim reports.

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