



**ESAOTE LAUNCHES BREAKTHROUGH eXP MRI TECHNOLOGY AT THE ECR
2013**

**eXP COMBINES FASTER, MORE ACCURATE ACQUISITION AND
RECONSTRUCTION PROCESSING FOR IMPROVED IMAGE QUALITY,
REDUCED SCAN TIMES AND LOWER RUNNING COSTS**

[4th March 2013, ECR 2013, Vienna] **Esaote**, one of the world's leading manufacturers of medical diagnostic systems, today launches its breakthrough **eXP MRI Technology**. eXP enables Dedicated MRI to be performed faster without compromising image quality, whilst reducing overall power consumption and running costs.

eXP is the culmination of Esaote's fully dedicated R&D commitment to meeting the increasingly technical demands of modern medicine. Using a combination of sophisticated acquisition and reconstruction methods, such as ESAOTE's patented **SpeedUp** and **TR reduction**, superior quality images can now be produced from substantially reduced scan times. For example, Fast Spin Echo (FSE) sequences can be obtained up to 40 percent faster with eXP Technology.

To increase the speed of image acquisition and reconstruction, ESAOTE's eXP combines powerful GPU hardware with advanced software, like SpeedUp. This enables processor intensive tasks like image reconstruction to be routed to a dedicated GPU. The overall result is a major improvement in the systems computing power.

eXP features improve methods to manage the Echo Train Length combined with highly sophisticated algorithms for the acquisition and reconstruction of the K-space to improve diagnostic accuracy. Similarly, the use of Metallic Artefact Reduction (MAR) technique reduces artefacts and improves diagnostic quality when imaging patients with metallic implants.

“Using an engineering and design approach that balances each element of the Dedicated MRI system we are able to produce machines that offer the highest quality images, the most efficient use of time and the most affordable running costs,” said Luigi Satragno - R&D, Product Planning and Business Development Global General Manager at Esaote.

eXP is available on the new G-Scan Brio and in the future could also be applied to other new systems or as an upgrade to existing systems, helping to protect investment and prolonging the useful life of existing installations.

A full product demonstration of eXP Technology is available at:

[ESAOTE eXP TECHNOLOGY](#)

www.esaote.com

ENDS

Media enquiries: Rachel Cunningham rachelg@roadcommunications.co.uk Tel: ++44(0)208 995 5832 / www.roadcommunications.co.uk

Imagery: High res images and videos are available on request

Useful Links:

[eXP Video](#)

[eXP White Paper](#)

[eXP Brochure](#)

Esaote @ ECR 2013: Esaote will be exhibiting at the European Congress of Radiology 2013 at EXPO B (LOWER LEVEL) BOOTH no 203. To arrange an interview with a member of the senior marketing or engineering team please contact Rachel Cunningham.

About Esaote:

Esaote is one of the world's leading manufacturers of medical diagnostic imaging systems. Esaote is well established as a European based leading manufacturer of ultrasound technology, and internationally acknowledged as a world leader in musculoskeletal Dedicated MRI systems. The Esaote Group is also one of the main players in the sector of Information Technology for healthcare.

20% of Esaote's 1,360 employees are exclusively focused on research and development at the company's R&D facilities in Genoa (I), Florence (I), Naples (I), Saint Germain en Laye (F) and Maastricht (NL), and enjoy the co-operation with worldwide scientific and clinical research centres and universities. Over the span of the last 10 years (2000-2010) Esaote lodged about 100 international patents.

Information about the Esaote Group and its products is available at www.esaote.com

Technology and features are system/configuration dependent. Specifications subject to change without notice. Information might refer to products or modalities not yet approved in all countries. For further details, please contact your Esaote sales representative.