

**evo**<sup>'15</sup>lution

# Dedicated MRI S-scan



**“I found an overall improvement on the anatomical details, such as cartilage rhyme and intraforaminal spaces. This higher image resolution allows me to achieve a more accurate diagnosis without increasing scan time”**

Dr. Daniele Messori, medical radiologist specialized in radio-diagnostics, Tumor Institute, Milan, Italy

This testimonial white paper is courtesy of Dr. Daniele Messori, who is user of Esaote S-scan Dedicated MRI system recently updated to the latest upgrade: eXP Technology included in the Evolution '15 package (EVO'15).

### **How long have you been an Esaote's customer?**

I'm an Esaote user since 2004, starting to work with an Artoscan system, an MRI dedicated system for MSK applications. After that we upgraded to an Opera and S-scan system, which represents the evolution of the previous product due to the introduction of the spine in its intended use.

During these years continuous developments of the product have been provided by Esaote, allowing to achieve a better overall image quality.

This was possible thanks to software upgrades and new coils introduction, that make the product always updated with remarkable results.

In this way I was able to extend the life-cycle of my system without looking for different solution offered by the market.

### **What is the latest upgrade that you experienced?**

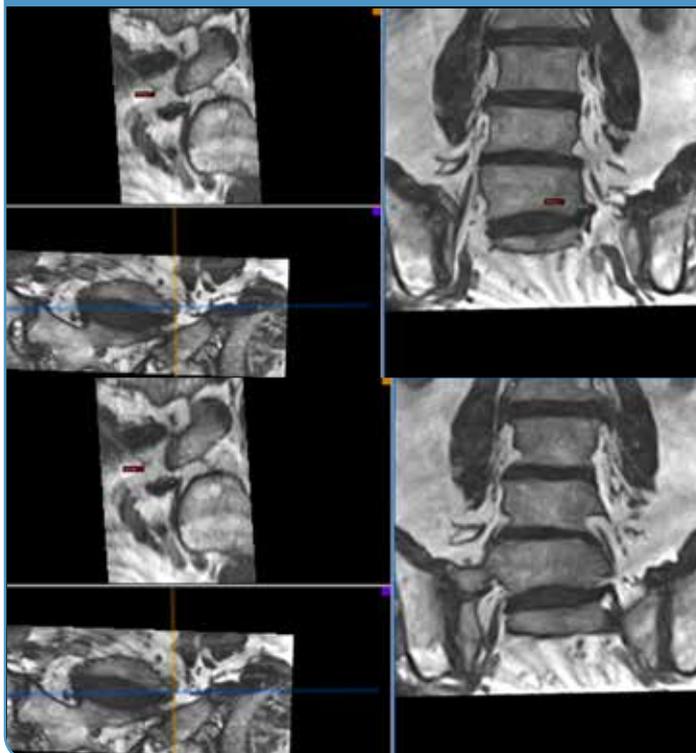
We recently update our S-scan system to the eXP Technology platform, included in the Evolution '15 package (EVO '15), which guarantees advanced features in terms of image acquisition/reconstruction.

Now we can acquire exam in shorter time improving drastically image quality, increasing patient comfort and reducing movement artefacts because the shorter scan time.

This Evolution '15 package provides also better 3D acquisition capabilities, that allow to obtain higher spatial resolution (voxel size less than 1 mm) in reasonable scan time due to the improved software and hardware capabilities (GPU).

Furthermore, the Evolution '15 is able to manage multi-channels coils, such as the new L-spine and C-spine coils, which

Example of clinical applications of 3D Hyce isotropic sequences with MPR: left L4 radiculopathy caused by osteophytes in extra-foraminal location (not seen on conventional sagittal and axial scans)



provides better signal homogeneity and signal to noise ratio thanks to the adoption of multi-channels technology.

### **What's your findings and your personal opinion about clinical perspective by using the EVO '15?**

I found an overall improvement on the anatomical details, such as cartilage rhyme and intraforaminal spaces. This higher image resolution allows me to achieve a more accurate diagnosis without increasing scan time, as well as shown in the attached clinical cases.

## Dr. Daniele Messori

Dr. Daniele Messori is a medical radiologist specialized in radio-diagnostics at the Tumor Institute in Milan.

Currently he works as referring radiologist in two different private clinical Center: Ambulatorio Dr. Messori, and La Vialarda Clinic.





**S-scan**  
Esaote Dedicated MRI

**Esaote S.p.A.**

International Activities: Via di Caciolle 15 - 50127 Florence, Italy - Tel. +39 055 4229 1 - Fax +39 055 4229 208 - [international.sales@esaote.com](mailto:international.sales@esaote.com) - [www.esaote.com](http://www.esaote.com)  
Domestic Activities: Via A. Siffredi, 58 16153 Genoa, Italy, Tel. +39 010 6547 1, Fax +39 010 6547 275, [info@esaote.com](mailto:info@esaote.com)

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