

ECR2016: High-Def Imaging and Colour Boost Diagnostics



High definition imaging, particularly for abdominal imaging, is vital for diagnostics and vastly improves the workflow, allowing doctors to focus more on the patient and not just the mechanical flow, leading radiologists said at the annual European Congress of Radiology (ECR2016) in Vienna on Wednesday.

Speaking at a satellite symposium hosted by ultrasound imaging solutions provider [Mindray](#), Prof Christoph [Dietrich](#) elaborated on the benefits of showing hypo-enhancements of liver imaging, as “we want to show in the case of oncology patients that such lesions are benign.”

Prof. Dietrich, the past president of the European Federation of Societies for Ultrasound in Medicine and Biology (EFSUMB) referred to the vast history of case studies on the Federation’s [website](#) and urged his audience, that included professionals as well as radiologists-in-training, to follow the Guidelines of Good Clinical Practice Recommendations for Contrast Enhanced Ultrasound in the Liver.

Fabrizio [Caliada](#), associate professor at the University of Pavia, presented case studies to show fusion by superimposing colour onto CT scans, adding that in one particular case, well tuning speed compensation made guiding a needle in one particular case “very easy and very helpful”.

In the case of the [Mindray Resona 7](#) ultrasound system, Prof. Caliada praised the advantages of using vector flow, which will be “very useful, especially in the case of dialysis patients.”

In his concluding remarks, Dr Alfredo Goddi, who chaired the symposium, said that the innovations included optimising sound for physiological speed variations which was especially useful in the case of fatty patients.

He said that the system can also create a new perspective in haemodynamics.

Goddi will be a keynote speaker during the three-day Resona 7 launching event on the sidelines of ECR on Thursday, Friday and Saturday (3-5 March, stand 203, Expo X3), where he will conduct demonstrations to show the theory, clinical value and practice of the system in the case of vascular evaluation, he will talk about new techniques in abdominal scanning to enhance tissue specified visualisation, and the application of high frequency linear probe in the musculoskeletal examination.

Other presentations will be conducted by Dr Francesco Giangregorio on abdominal scanning for gastroenterology and Dr Christian Aiginger on live scanning of lower arteries and veins, as well as a general purpose scanning of abdomen on a portable ultrasound system.

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