In Olea Sphere®?

MRI is a complementary imaging technique useful for evaluating indeterminate masses by ultrasound. The application «Female Pelvis» allows to visualize the morphological images and to calculate parametric maps. Multiparametric display facilitates simultaneous interpretation of images, positioning of regions of interest and provides quantitative analysis of the tumor.

With the DWI (Diffusion Weighted Imaging) module, the value of ADC can be calculated. This case presents an obvious hypersignal in diffusion which shows a tumor residue and is accompanied by a fall of the ADC (hypo-signal on the ADC map, ROI: 0.61 x 10^-3 mm^2/s) (Picture 1).

"Permeability" module allows an analysis of the enhancement kinetics during the perfusion examination with descriptive parameters (e.g. Washin, etc.) and quantitative (e.g. Ktrans, Kep, Ve and Vp) based on a pharmacokinetic model (Extended Tofts) (Picture 2).

Perfusion and diffusion parameters can be biomarkers that are predictive of therapeutic response.