



Course Title : MRI Advanced Neuro

Duration : 3 Days

Target Group: MR Technologist & Radiologist

Pre-requisites: General Knowledge, Anatomy, Pathology

1st Day :

- 1- MR Diffusion Basics
- 2- MR Perfusion Dynamic Susceptibility Contrast (DSC)
- 3- MR Perfusion Dynamic Contrast Enhancement (DCE)
- 4- MR Perfusion Arterial Spin Labeling (ASL)
- 5- Post-Processing of MR Perfusion DSC on Syngo Via
- 6- Post-Processing of MR Perfusion DCE on Syngo Via

2nd Day:

- 1- MR Spectroscopy Basics
- 2- MR Spectroscopy Measurements
- 3- MR Spectroscopy Pre-processing
- 4- Metabolites
- 5- Brain Spectroscopy
- 6- Breast Spectroscopy
- 7- Post-Processing MR Spectroscopy on Syngo Via

3rd Day:

- 1- Tractography Basics
- 2- Tractography Acquisition
- 3- Post-Processing of Tractography on Syngo Via
- 4- fMRI (Bold) Basics
- 5- fMRI Paradigm
- 6- Post-Processing of fMRI on Syngo Via