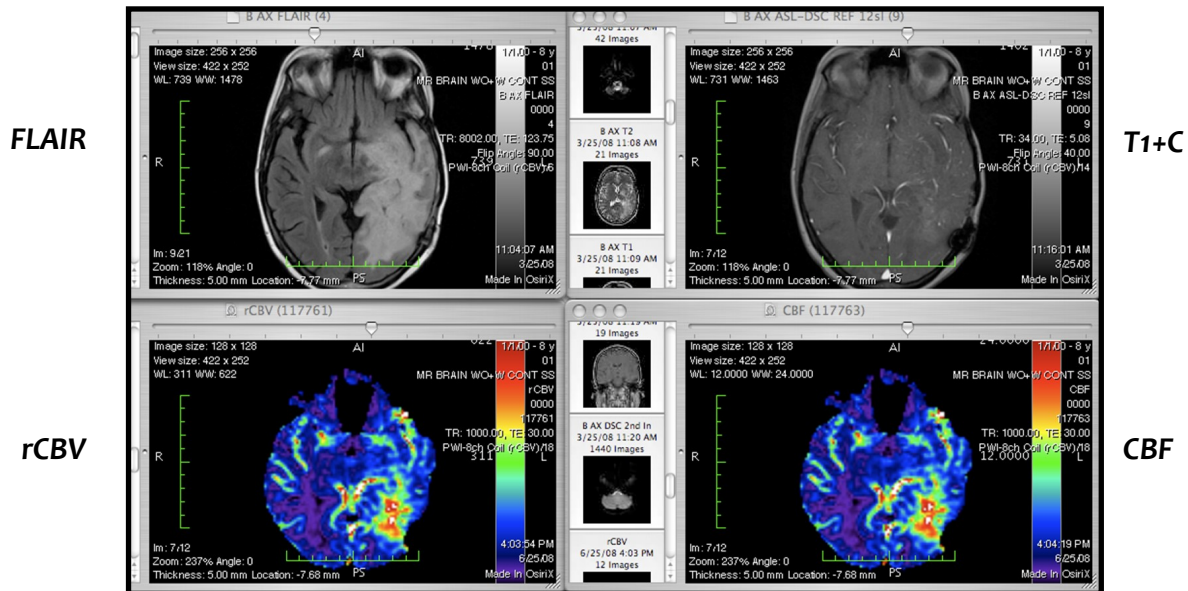


IB Neuro™ v2.0 analyzes dynamically acquired MR datasets and generates parametric perfusion maps quantifying changes in contrast over time. Advancements in IB Neuro are designed to fit routine clinical and research workflow and address advanced clinical and research needs.



Though minimal enhancement can be seen on the post-contrast T1w image (upper right) the relative cerebral blood volume (rCBV) and Cerebral blood flow (CBF) maps show increased vascularity consistent with a high-grade tumor.

## Features in IB Neuro™ Plug-in

- Improved automatic generation of Arterial Input Function (AIF)
- Rapid creation of a complete array of critical perfusion parameter maps, including TTP and Tmax
- Automatic correction of contrast agent leakage across the blood brain barrier
- Automated brain mask generation
- Ability to standardize and normalize parameters using an exclusive Voxel Intensity Calibration™ technology
- Dual-echo GRE support for DSC
- Longitudinal reporting with registration between studies
- Ability to output maps fused to anatomical with image registration
- All calculations are done with the push of simple and intuitive buttons
- New calculated images are automatically exported as new DICOM series and can be easily pushed to a PACS
- Automatic report generation in form of a DICOM series that can be exported

IB plug-ins are designed to be compliant with healthcare standards such as DICOM and can be conveniently integrated with ease and speed into existing medical image visualization applications ranging from simple stand-alone workstations to sophisticated, PACS, CAD, MR, and IMRT systems.