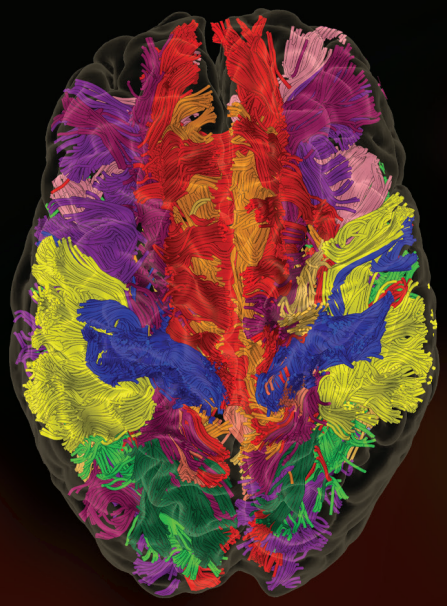


Synaptive's aim is to drive automation to optimize the surgical workflow. In 2014, we introduced automated whole brain tractography to the market.

We are now taking this one step further – with BrightMatter™ AutoSeg, tractography is now automatically bundled so surgeons can see patient-specific bundles of interest within seconds. This information can be combined with vascular, bone, and functional imaging, allowing users to see their patient in new ways to offer better treatment.

"For lesions near eloquent brain structures, automated whole brain tractography has become the standard of care at our hospital... Automated whole brain tractography is now considered for all patients at our institution who are undergoing intracerebral tumor resection, regardless of whether we suspect the lesion to be near eloquent structures or not."

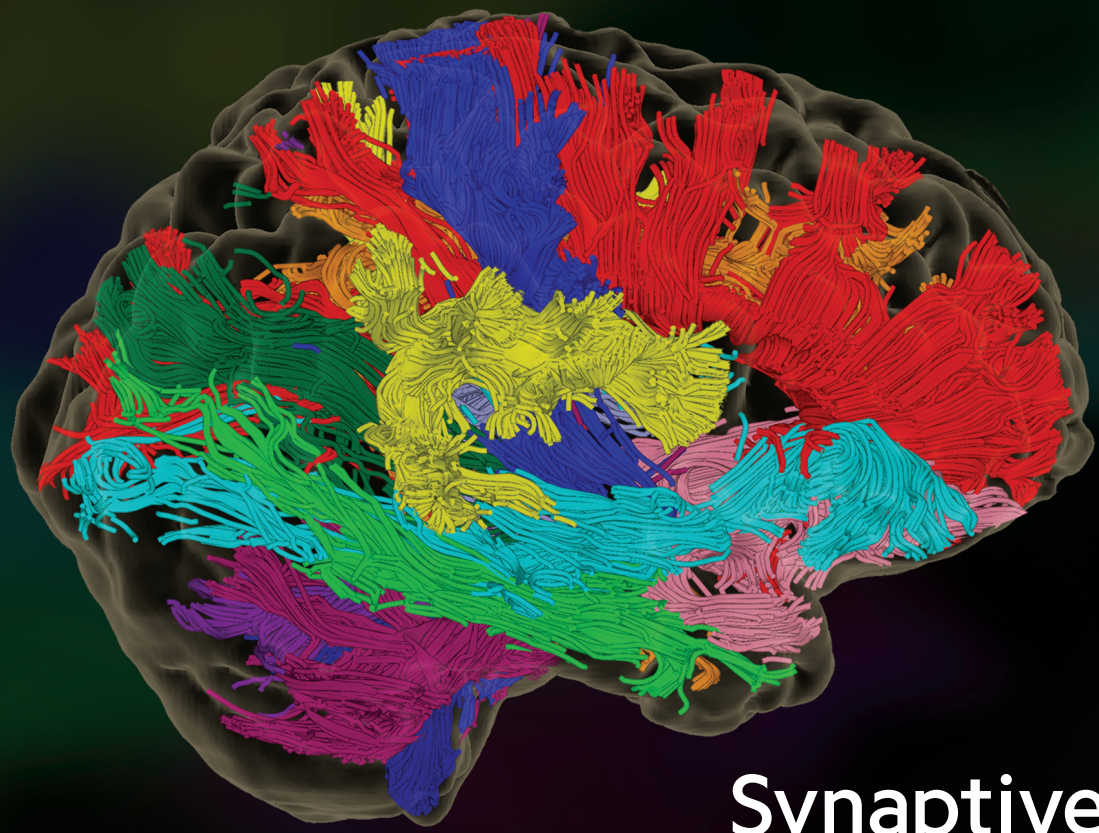
Zakaria et al., Cureus 2017

"Modus Plan's automated tractography technology already allows me to customize pre-operative plans for each of my patients and minimize the risk of complications. Tract segmentation takes our approach one step further, creating an easy process to illuminate or hide bundles of interest as needed. This ability enhances my ability to plan delicate surgical approaches for tumors or other pathology."

Sebastian Koga
MD, Neurosurgery
Ochsner Health System

Modus Plan™

Access patient-specific tractography with unprecedented ease

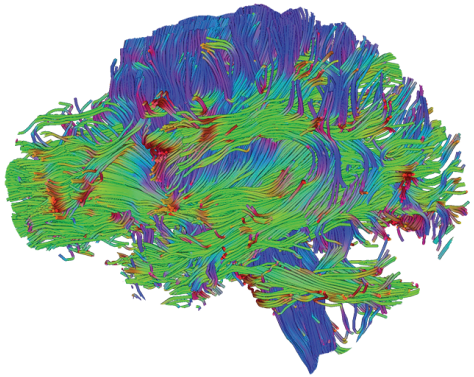


Synaptive

Modus Plan™

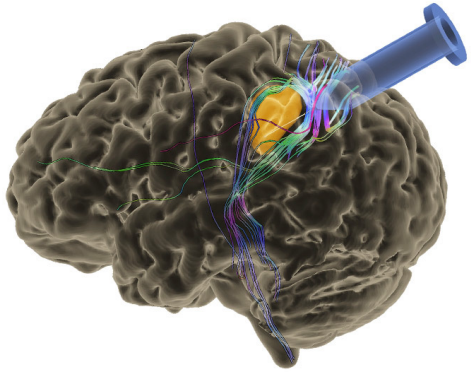
Access patient-specific tractography with unprecedented ease

Easy access to tractography



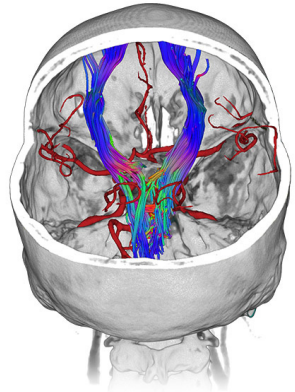
- Synaptive generates tracts throughout the entire brain automatically, making it easy for the surgical team to access tractography for every patient
- With BrightMatter AutoSeg, tracts are automatically grouped into patient-specific bundles of interest such as the corticospinal tract, arcuate fasciculus and the optic radiations, so surgeons can easily isolate these bundles of interest, to help avoid key areas of the brain
- Tractography that is automatically generated is simple enough for users to add to their post-op toolboxes; tractography can now be used to track patients longitudinally

Enables precision medicine to support value-based care



- Allows surgeons to access patient-specific information to perform immersive simulations of various surgical approaches, and tailor their treatment to that individual patient
- Implement tool-specific workflows, including tubular retractors such as NICO BrainPath® for port-based, minimally invasive procedures

Open architecture provides a complete picture



- Plan has an open architecture that allows users to bring in any DICOM series with ease
- Combine tractography with the following to create multi-modal patient images and plan safer surgery:
  - vascular imaging, such as CTA, MRA, XA
  - bone imaging, such as CT
  - functional imaging, such as fMRI
- Modus Plan is modular: users can export data to Synaptive systems for surgical navigation, or to third party systems

Learn more about Modus Plan and schedule a demo at
synaptivemedical.com/products/Plan

Synaptive

MKT-00723 Rev. A