ABLE OF CONTENTS

 ω Boot-up and Data Import

4 Data Import - Troubleshooting

 \mathcal{G} 1 Review Phase

 ∞ Merged Series

9 10 Segmentation

 \vdash Trajectory Creation

12 Craniotomy & Export for Guide

13 14 **Export for Third Party**





Boot-up and Data Import



Synaptive Plan

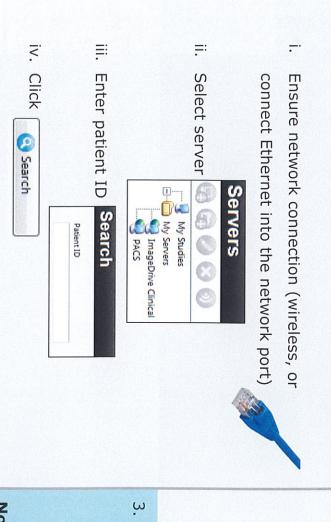
Turn on Plan computer. Enter Synaptive 123 as the password for the Operator user. You will enter this password twice

2. Import Scan

Server

Import Scan -

CD/USB



≓	≓	-
Locate CD or USB drive	Go to My Computer tab	Insert CD or USB. Click
		No
		on pop-up

Right-click desired folder and

3. Open the Activity Monitor to view the import status

Status 98 of 98 images processe. Status Details

Note: automatic data processing should occur following successful import of compatible studentless planning on Guide (see page 4).

For complete information, including intended use and warnings and precautions, see user manual accompanying Modus V

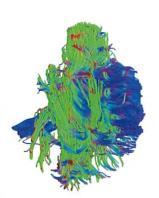
<

Right click desired scan and

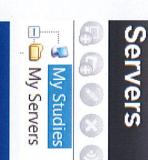
© Retrieve



Synaptive Plan Opening a Study



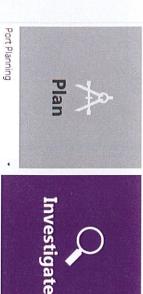
- study in the My Studies list To open a study, double-click the
- 2 Select workflow type from the dropdown:
- Open Craniotomy
- =: Port Planning: select to plan for NICO BrainPath
- Click on Plan





If...

When opening the study, **Plan** option is greyed out.



Study is still importing/processing. Check Tools> Activity Monitor for progress. Wait until all processes are "complete" (see page 3, step 3).

automatically following import. To trigger data processing for Plan: NOTE: If planning on a Guide cart, data processing will not trigger

- 1. Wait for import to complete
- Select the study in the My Studies list
- 3. Click in the toolbar

33 studies found on My Studies

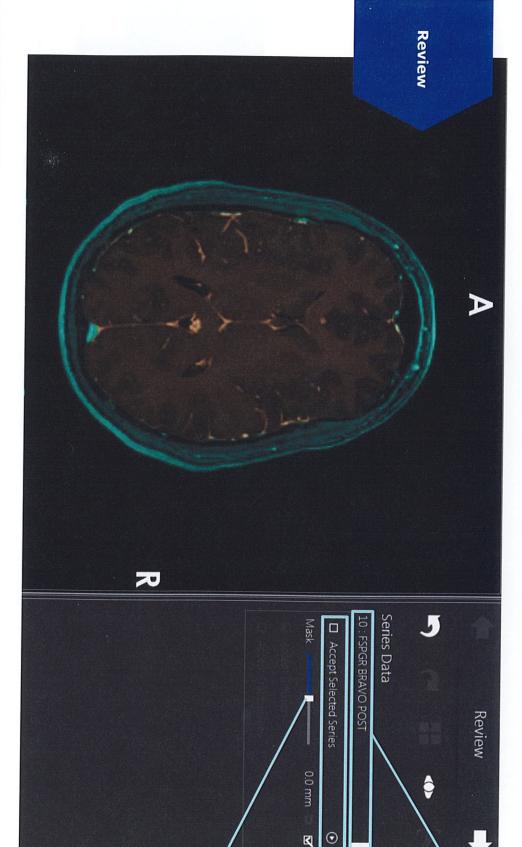


IDSTUDY2 Patient ID Last Name

First Name

Synaptive Plan Review Phase: Brain Mask







Accept Series and Brain Mask setting

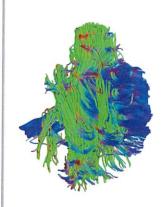
Use slider to adjust Brain Mask

Note: mask can be adjusted

For complete information, including intended use and warnings and precautions, see user manual accompanying Modus V



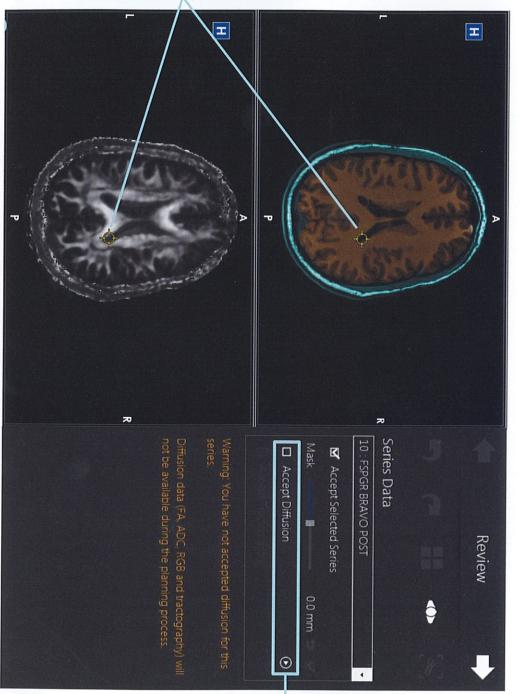
Synaptive Review Plan Phase: iffusion





Use crosshair to compare Registration accuracy

Tip: align crosshairs to anatomical points such as the tip of the ventricle or AC/PC



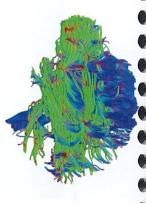
Accept Diffusion

Note: coregistration can be adjusted in the next step if inaccurate. Click checkbox to continue.

FEETER SECTION OF THE SECTION OF THE

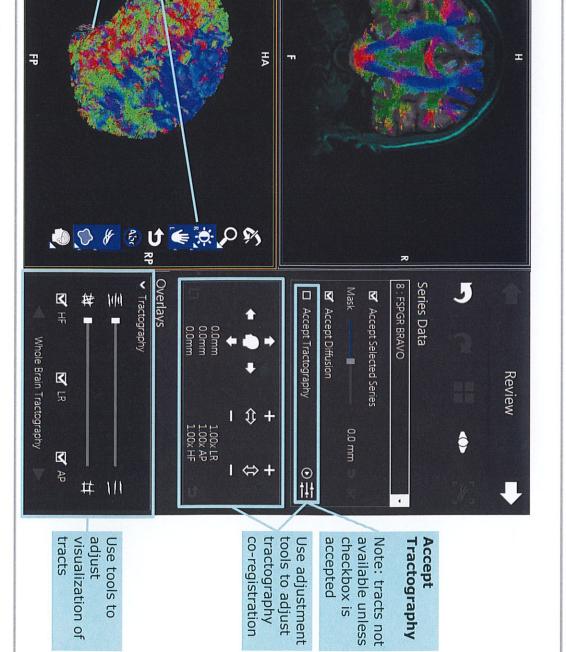


Synaptive Plan Review Phase: Tractography



Review

P



For complete information, including intended use warnings and precautions, see user manual accompanying Modus V.

Use Window/Level to remove tissue from 3D volume and view

tractography



Synaptive Plan Merged Series

MERGED SERIES

- -In Merged series Series Phase, click the + button to view available
- 2 Use the dropdown to view and select a different study
- ω Select desired series in the list and click Merge
- 4. Close dialog box once all series have been merged
- 5 For each merged series, complete the following steps:
- Click Auto-Merge (if button S. disabled, step is complete)
- ii. Evaluate quality of merge
- iii. Use checkbox to Accept desired series

Blended Merge Tool

The blended merge tool is active by default.



Spyglass Tool

Toggle 🚺 to use Spyglass Tool

Adjusting Window/Level in bottom right view pane will apply to merged series

t,

FILLIEUR CONTROLL STREET

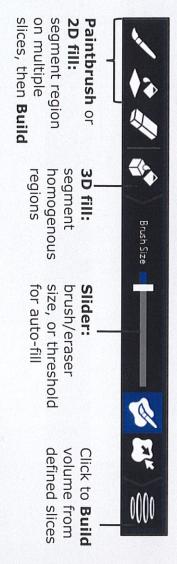
Synaptive Plan Segmentation: Regions

SEGMENTATION

In Segmentation Phase, and click R to access the select a Region Editing Region from the toolbar list

Region

2. Build the region using desired tool(s)

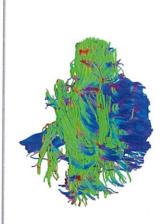


>

Reg Reg Overlay

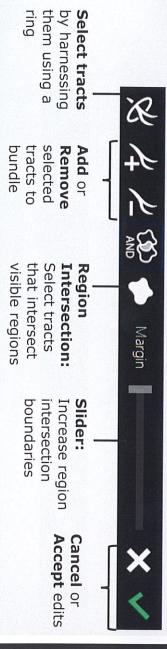


Segmentation: Synaptive Plan Bundles

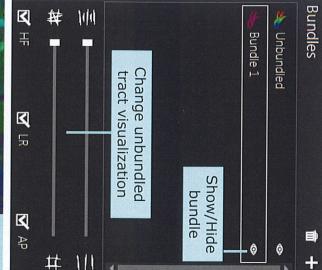




- In Segmentation Phase, select a and click to access the Bundle Editing toolbar Bundle from the list
- 2 Segment bundle using desired tool(s)



ring



tract selection tools Hover over ring for

Center views Move

For additional bundles,

click

+

Bundle is selected in the list.

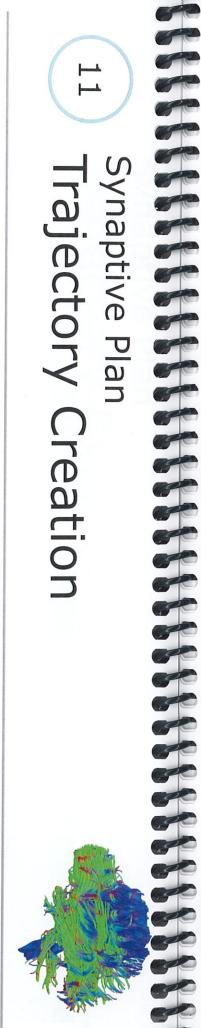
button won't display unless

a

Tip: Bundle Editing toolbar

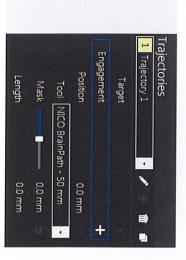


Synaptive Plan Irajectory Creation



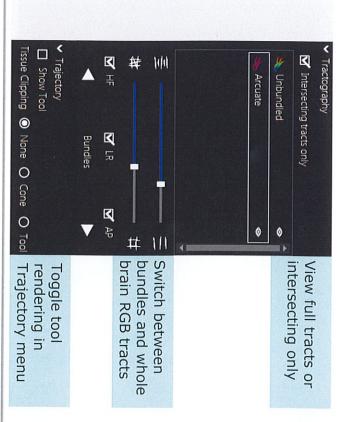


- -In Targets Phase, move the crosshair to the desired position click to add Target point and
- 2. Click position on the cortical surface and click lacktriangle to add an entry point Engagement and move the circle locator to the desired





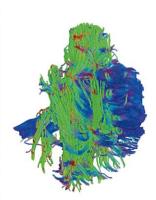
- ω Review planned trajectory:
- Adjust Mask at engagement point
- Review Tractography intersection
- Show Tool graphic
- Edit existing targets and/or engagement points by moving the crosshair and clicking **I⊕** reposition
- Choose between different trajectories with the dropdown menu



For complete information, including intended use and warnings and precautions, see user manual accompanying Modus V



Synaptive Plan Export for Guide Craniotomy &



CRANIOTOMY

adjust the craniotomy In Craniotomy Phase, use the slider to



<u>.</u> In Export Phase, select desired Trajectory

Export

2 In export dialog, enter a name for the Plan

3. Ensure option ...for use with BrightMatter™

Guide is selected

- 4 Click
- 5 Select Export options and click

Export



the tool projection Tip: Manipulate limitation craniotomy to predict





for Third-Party Trajectory Export ynaptive Plan

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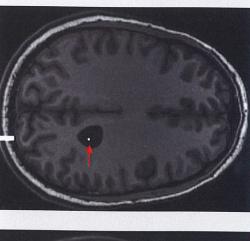
- In Export Phase, select desired Trajectory then click Export
- In export dialog, enter name for Plan
- ω Ensure option ...for use with third-party is selected
- 4. Click
- 5. Select Export options and click Export

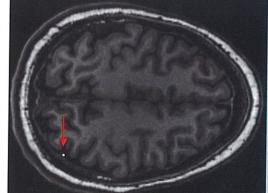


6. Import into Third Party navigation: export series. based on white points burned into merge and set Target and Engagement



The Target and Engagement points will be burned into the anatomical series



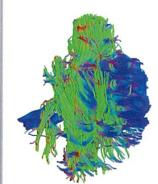


For complete information, including intended use and warnings and precautions, see user manual accompanying Modus V.

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Synaptive Plan Tractography Export for Third Party



- Click [🔄 in the top right panel
- Enter Series Name
- 4. Select Color Settings:

Grayscale or Colour

- 5. Use preview slider to verify the tracts
- Click
- 7. Select Export Option and Expo





tractography export to be enabled Tip: Tracts must be visible for that Unbundled Tractography If exporting **Bundles**, note will not be exported.

Nobundled

If exporting Whole Brain
Tractography, set culling
sliders as desired.

SURGICAL QUICK REFERENCE GUIDE SYNAPTIVE

