



high-precision instrument alignment

VarioGuide™

Wizard-driven alignment of pre-planned trajectories for cranial procedures

Bridging the gap between stereotactic frames and biopsy holders, the VarioGuide provides a new level of control, flexibility and precision for the placement of instruments in image-guided cranial surgery. The multi-purpose VarioGuide is perfect for navigated frameless biopsies, shunt placements and endoscopic examinations, with dedicated functionality and software that integrates seamlessly into BrainLAB surgical navigation.

Unique step-by-step wizard guidance, combined with proven passive marker technology, enables higher accuracy and provide increased confidence, without the limitations or invasiveness of a head frame. The intuitive alignment process follows planned trajectories, helping make surgical procedures more efficient while ensuring consistency. The unified arm design connects directly to the Mayfield® head clamp and can accommodate multiple tool diameters for accurate positioning and the best approaches.

- Wizard driven alignment of pre-planned trajectories
- Adjustable instrument adapter for cylindrical instruments of 1.8mm - 8.0mm
- Integrates with the BrainLAB Pre-calibrated Biopsy Needle
- Mayfield® V-connector interface for simultaneous use of the "Vario Reference Clamp" and VarioGuide
- Easy sideways tool removal for procedures such as shunt placements

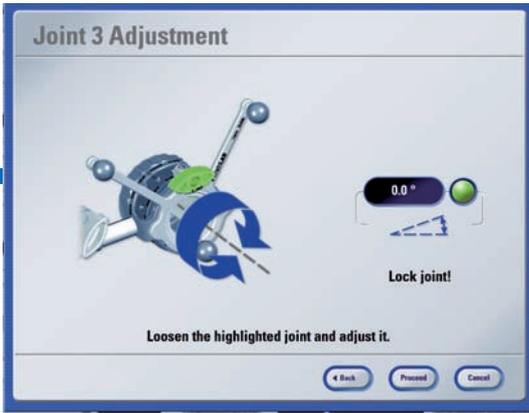


fig. 1

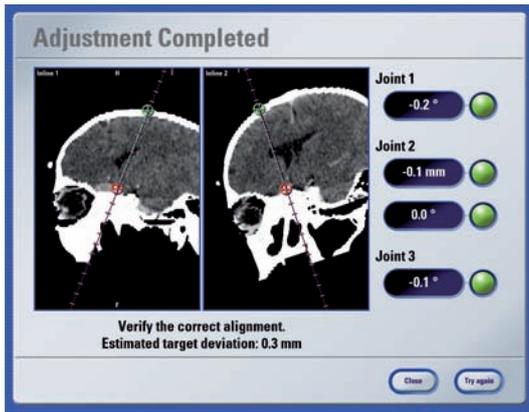


fig. 2

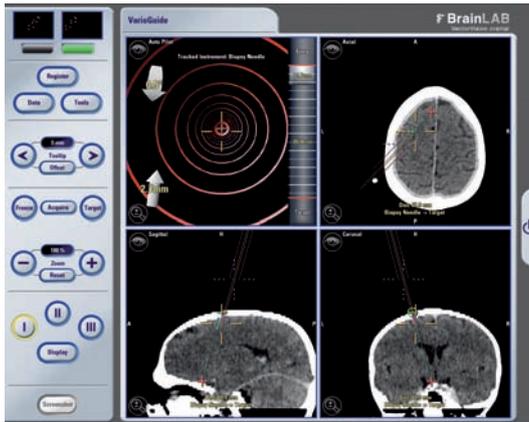


fig. 3

WORKFLOW

Simplifying complex procedures with measured accuracy ensures you can place tools where you want, when you want. The surgical workflow takes you quickly and accurately from trajectory planning to navigated tool placement.

Adjustment (fig. 1)

The software wizard leads you step-by-step through the positioning of the three VarioGuide arm joints, ensuring accuracy to planned trajectories.

Adjustment Verification (fig. 2)

Measured accuracies are displayed for all locked joints, allowing every joint position to be easily reviewed and fine-tuned until the desired level of accuracy is reached and the procedure can begin.

Autopilot Guidance (fig. 3)

The system is immediately ready for navigation. Autopilot guidance gives you complete control while ensuring that the trajectories during surgery exactly match your surgical plans.

PATIENT THROUGHPUT

Navigated procedures with the VarioGuide benefit from faster setup and procedures without the need for localized scans. Only diagnostic images with z-touch® registration are needed to be ready for a navigated procedure for instrument placement.

Surgeons are able to eliminate the head ring from their procedures and increase patient comfort while making no compromises in surgical accuracy. VarioGuide enables you to treat more patients with greater accuracy in less time.

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