

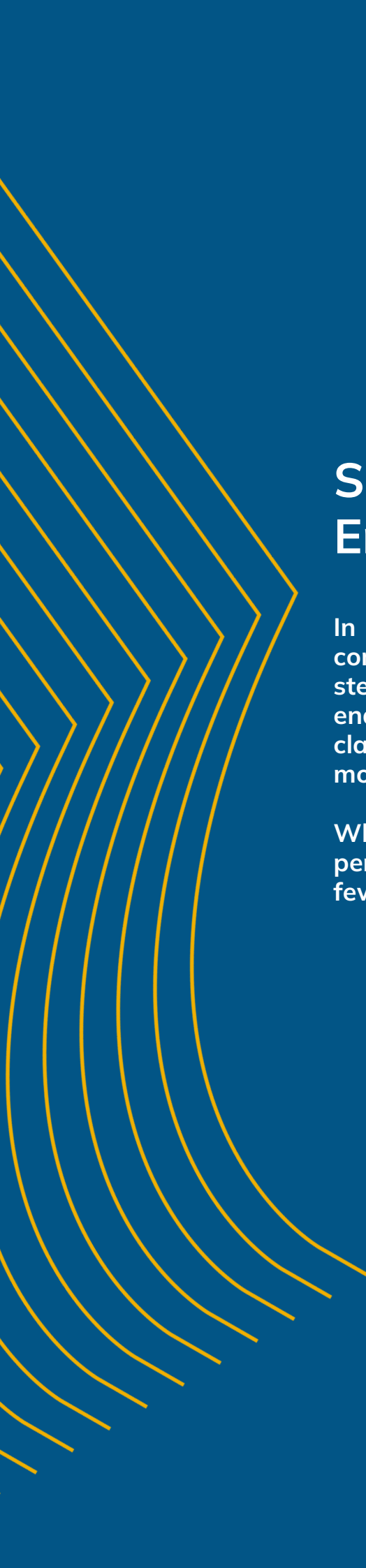


Navient
Surgical Navigation System

**Helping you heal -
good, better, best, repeat**

kingfishermedical.co.za

The Navient Navigation is manufactured by ClaroNav Kolahi Inc
and distributed by Kingfisher Medical

A decorative graphic on the left side of the slide, consisting of multiple parallel yellow lines that curve from the top left towards the bottom right, creating a sense of depth and movement.

Smart Solution for Enhanced Productivity

In cranial, ENT and spinal surgery, healing starts with confidence - knowing exactly where you are, every step of the way. The Navient Navigation System enables surgeons to navigate complex anatomy with clarity and control, reducing risk and supporting safer, more precise procedures.

When surgeons have tools that enable them to perform at their best, patients recover faster with fewer complications and better outcomes.

Simple, Accurate and Affordable

Navient is an innovative image-guided navigation system, utilising the latest technologies in the field and bringing simplicity, accuracy and affordability to the surgical navigation system.

Navient is designed for convenient routine use. There are no cables to connect, no spherical markers to mount, no field generator to place, and no consumables to order.

Key features

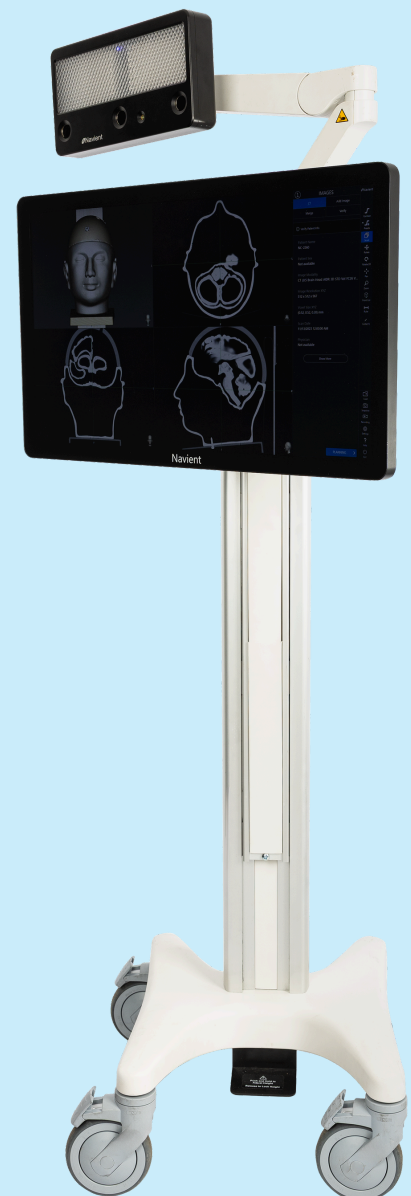
- Cranial, biopsy, ENT and spine procedures
- Sleek, compact and portable cart
- Large touch screen for natural interaction
- Powerful and intuitive software features
- Pre-calibrated navigation probes
- Fast registration and precise navigation
- Affordable and no consumables

Fast registration

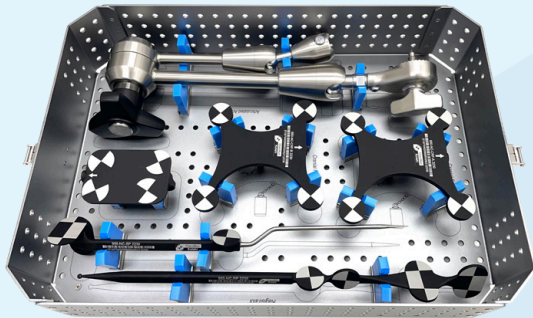
Navient's registration is simple, accurate and fast. It detects multimodal fiducials for automatic registration and also allows the use of anatomical landmarks for manual registration. Navient's innovative trace-based registration technology further fine tunes registration and provides best-in-class accuracy. The process takes less than a minute to complete.

Ergonomic instruments

- Pre-calibrated navigation probes equipped with permanent markers
- Universal trackers easily clamp to any surgical instrument, such as a biopsy needle, pedicle screw driver, drill or suction
- Steam sterilisable navigation instruments
- No consumables

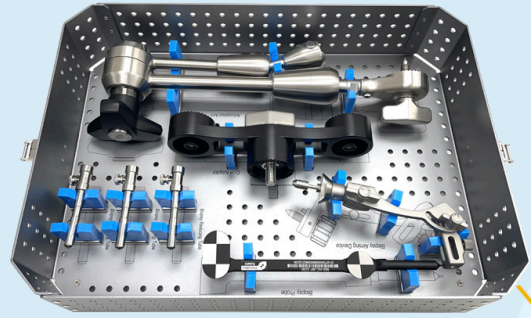


Reusable Instruments



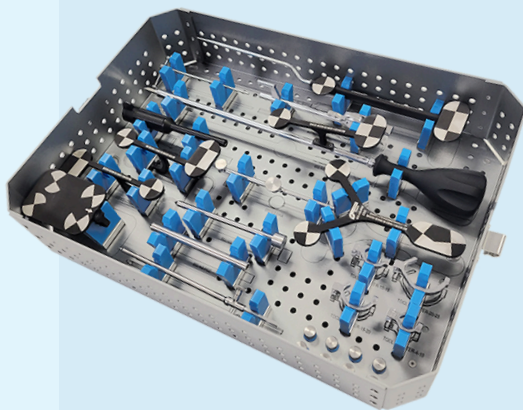
Cranial Instruments

- Articulated arm
- Two cranial reference frames
- Straight probe
- Registration probe
- Tip calibrator
- Microscope probe
- Sterilisation tray



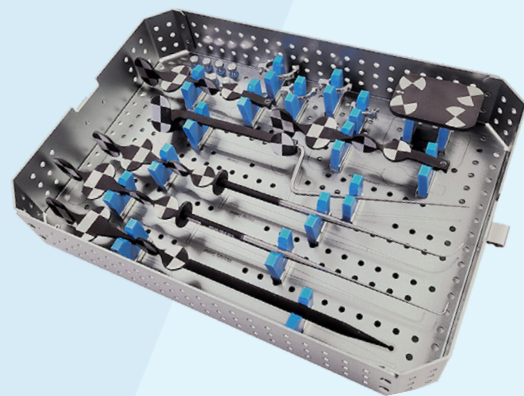
Biopsy Instruments

- Articulated arm
- Dual adaptor
- Biopsy aiming device
- Biopsy probe
- Reducing tube 2.2mm
- Sterilisation tray



Spine Instruments

- Percutaneous surgery unit
- Clamp tool handle
- Universal trackers
- Patient reference frame
- Mini articulated arm
- Navigated awl
- Registration probe
- Tip calibrator
- C-clamps
- Sterilisation tray



ENT Instruments

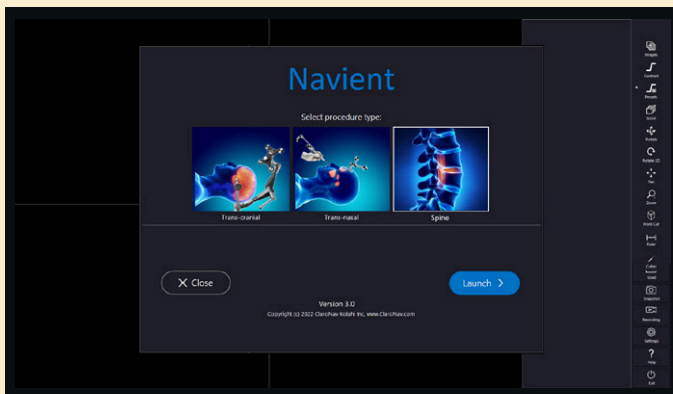
- Bayonet probe
- Registration probe
- Maxillary seeker
- Frontal seeker
- Universal tracker
- Patient tracker
- Tip calibrator
- C-clamps
- Sterilisation tray

SLEEK
COMPACT
PORTABLE



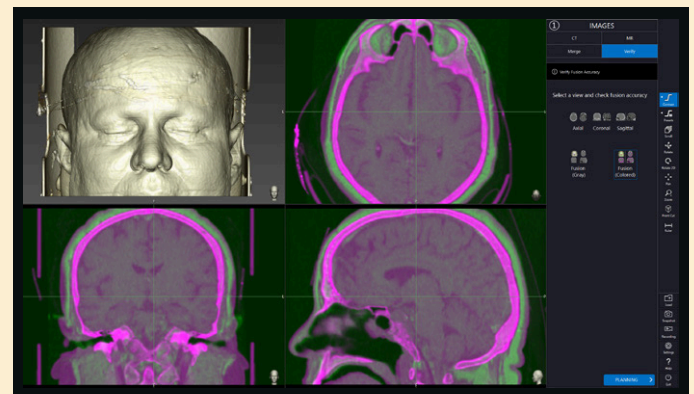
Navient Air

Streamlined User Interface



Procedures:

Supports ENT, cranial and spine procedures



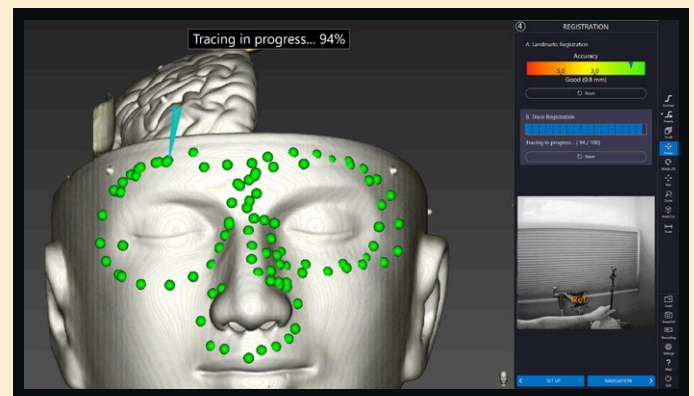
Images:

Load images from CD/DVD/USB or PACS, Image fusion



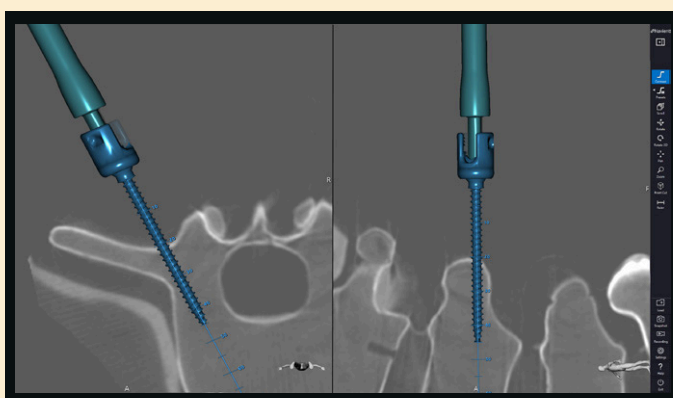
Planning:

3D Modeling, biopsy trajectory planning, Virtual craniotomy



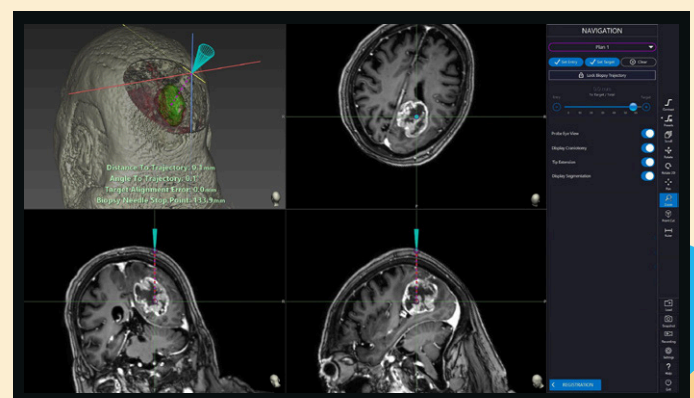
Registration:

Landmarks and trace-based registration



Navigation:

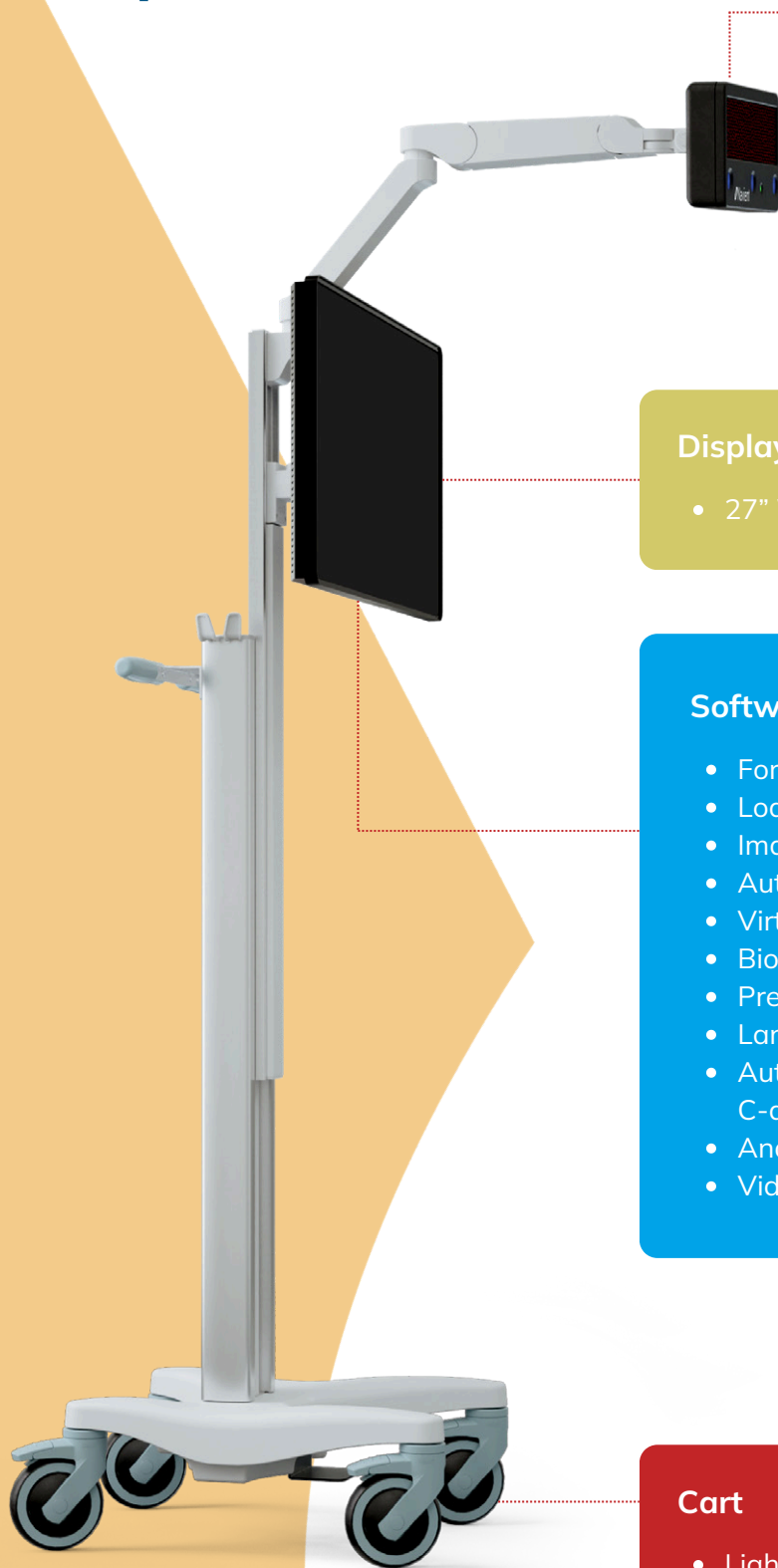
Optimised navigation layout for spine procedure



Navigation:

Optimised navigation layout for cranial procedure

General Specifications



Tracking system

- Infrared optical tracking system
- 0.2mm calibration accuracy
- Live video stream
- Instrument tip accuracy verification
- Permanent markers
- Reusable and sterilisable instruments
- Foldable tracker arm with variable height

Display

- 27" WQHD ultra-bright touchscreen monitor

Software

- For cranial, ENT and spine procedures
- Loads DICOM images from DVD, USB, PACS
- Image fusion
- Automatic segmentation and 3D modeling
- Virtual craniotomy
- Biopsy trajectory planning and navigation
- Pre-op and Intra-op pedicle screw planning
- Landmark and trace registration
- Automatic registration using intra-op CT and C-arm
- Anatomical, trajectory and probe eye views
- Video documentation of surgical operation

Cart

- Light weight: 30kg
- Small footprint: 40 (W) x 50 (D) x 135 (H) cm (when extended: 190 (H) cm)
- Omni directional wheels with brakes
- 100V-240V, 50-60Hz, 2.2A

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Talk to us

Lloyd Deshe
Navigation Product Specialist
lloyd@kfmed.co.za
+27 (0)72 058 1406

Christel Booysen
Success Specialist - Navigation
christel@kfmed.co.za
+27 (0)72 832 1128

30 Birt Street, Fairmount, Johannesburg, Gauteng
Unit 31, M5 Freeway Business Park, Maitland, Ndabeni, Cape Town