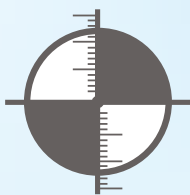


Navigated arthroplasty



Accurate



Reliable



Safe

Predictable and reproducible precision for every CMC arthroplasty

Eliminate complexity in case planning and management with a lightweight, surgeon-friendly navigation system.

Clinical challenges



Thumb CMC arthroplasty can restore natural hand function but only if the trapezium cup is precisely placed



A misalignment of just 2° can weaken grip strength and compromise long-term success

Surgeons rely on C-arm X-ray to guide CMC joint replacement but achieving the required level of accuracy is still dependent on extensive training and individual skill.

The result?

- Radiation exposure
- Slower set-up
- Inconsistent outcomes
- Limited adoption

Many surgeons will default to trapeziectomy, a simpler option but with a higher risk of grip function loss.

Introducing NaviHand

Compact, CT-based navigation system for simple, safe, precise and reliable CMC arthroplasty



Plan optimal cup position and axis with guided trajectory

- Compact, close-to-field optical camera delivers sub-millimeter and fractional angular accuracy
- Lightweight bone-anchored registration and navigation
- Intuitive workflow with minimal interaction or training required
- Compatible with any K-wire placing system
- Adaptable to different implant systems and future partnerships



NAVIHAND

How can NaviHand improve thumb CMC arthroplasty?

For surgeons

- Delivers reliable precision
- Builds confidence
- Simplifies adoption

For operating room staff

- Streamlines set up
- Saves time
- Reduces clutter



For hospital managers

- Improves clinical outcomes
- Delivers predictable economics
- Eliminates C-arm dependency

For patients

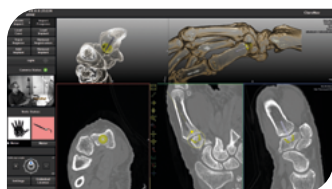
- Restores function
- Delivers predictable outcomes
- Radiation free

Four-step simple workflow



1. Plan

Import CT/CBCT, select implant and define the ideal position and orientation



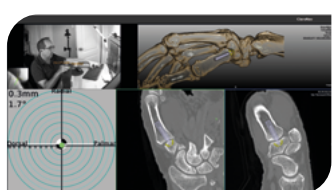
2. Register

Attach the reference marker and complete quick 3-point bone registration



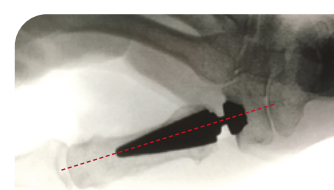
3. Navigate

Follow the guided trajectory with probe and drill; ream precisely over the K-wire



4. Implant

Insert the trapezium cup with confidence along the planned axis, aligned with the stem



About ClaroNav

ClaroNav is the team behind NaviHand. With more than two decades of experience, proprietary technology and know-how, our highly skilled developers have earned a strong reputation for agility, reliability and innovation. The company has a proud history of successful strategic alliances with OEM partners, enabling rapid market development and integration.



Similar to GPS assisting drivers, ClaroNav's navigation technology enables medical professionals to precisely visualize, plan and execute surgical procedures where accuracy is critical. This enables minimally invasive - or keyhole - surgery, helping to reduce execution errors and increase the likelihood of predictable outcomes. Surgeons can look forward to streamlined workflows, lower costs and fewer complications, while patients benefit from less pain and shorter recovery times.

Pioneering navigation

Enabled by reusable proprietary software and hardware components, and by vertically integrated efficient operations, ClaroNav creates innovative products with an exceptional price-performance ratio.

MicronTracker

MicronTracker is a family of optical tracking systems, with thousands of units used every day around the world.

MicronTracker 4 is the latest generation. With enhanced accuracy, flexibility and robotic camera motion, the system is a game changer in surgical tracking. ClaroNav now offers OEM partners the option of integrating the technology into their products, through the MT Embedded program.



NaviX

NaviX is ClaroNav's customizable surgical navigation platform. It includes an advanced visualization and machine vision layer, a full template application toolkit and the option of using ClaroNav's design, R&D and supply chain for product development. By licensing and customizing our NaviX platform, OEMs can build surgical navigation solutions in record time from the prototype phase to full production.



Join us in shaping the future of hand surgery

By replacing intraoperative X-ray with compact CT-based navigation, NaviHand delivers precision, ensures reproducible outcomes and eliminates radiation, making advanced thumb arthroplasty accessible worldwide.

Clinicians - Collaborate and contribute to real-world experience and evidence generation

Partners - Explore OEM integration and commercial opportunities

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NaviHand is under development and not yet available for clinical use. For investigational purposes only.