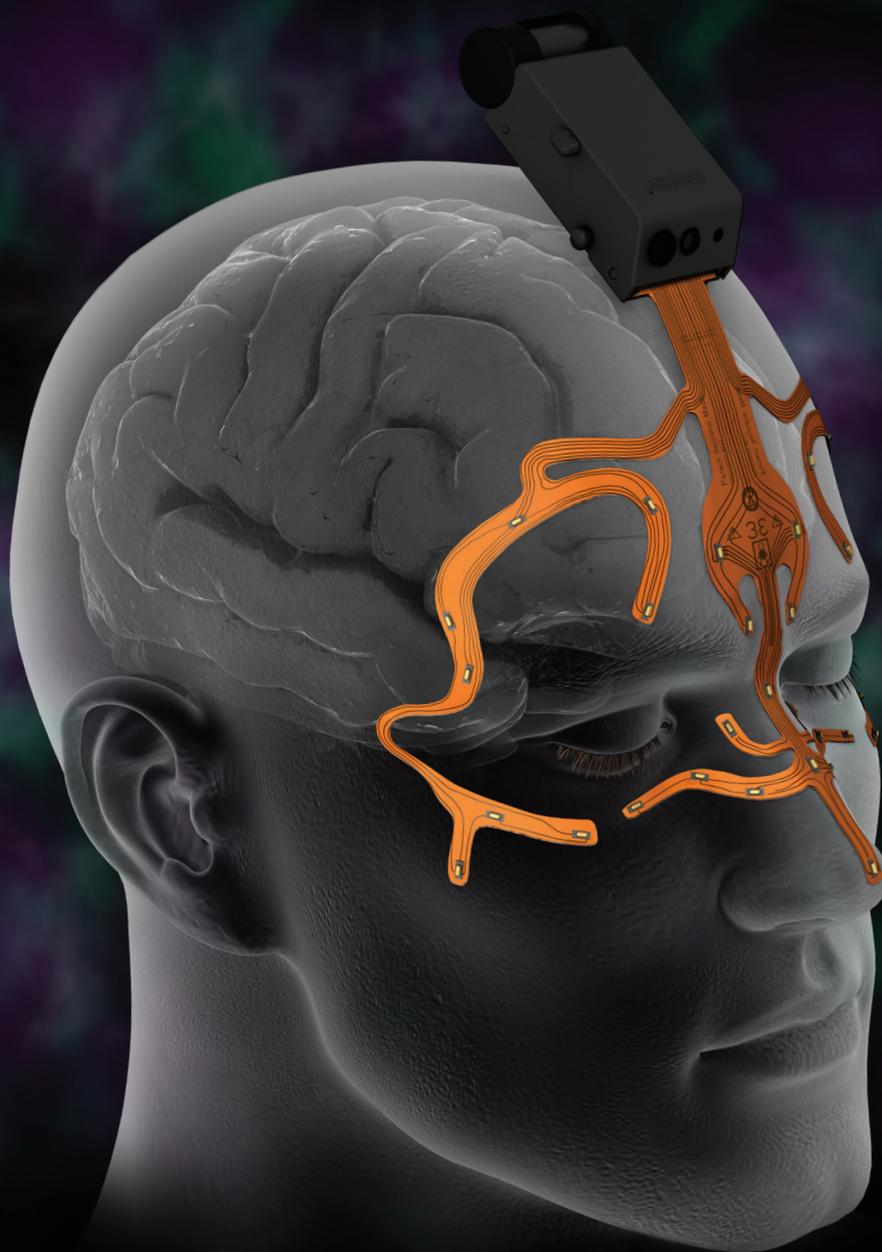


Patient Registration Mask



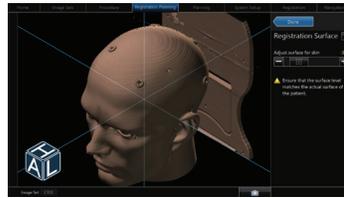
Automatic Patient Registration with CranialMap™ Software



Patient Registration Overview Using the Mask



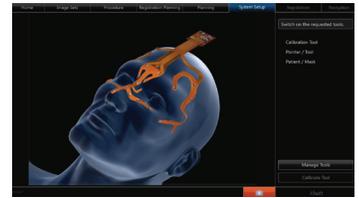
1. Enter the software's *Procedure* tab and choose *Mask Registration*. Then select *Next* to proceed to the *Registration Planning* tab.



2. Adjust surface for skin to ensure that the surface level matches the actual surface of the patient. When complete, select *Done*.



3. With the patient positioned in accordance with the procedural requirement, begin the Mask registration process by entering the *System Setup* tab. To position the Mask, start by placing the center section of the Mask on the patient. This part should be positioned on the upper nasal bridge with the central LED on the deepest point between the eyes. The lowest LED of the middle section should be placed on the nose tip.



For optimal outcome and accuracy, the Mask should be applied as close as possible to bony structures. Affix the lower parts of the side sections. They should be applied in a way that the central LED of the three applicable LEDs resides near to the edge of the orbital cavity. The upper section should be applied in a way that the lower LEDs reside in the immediate vicinity of the eyebrows.



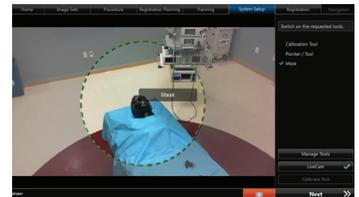
4. Open the Communication Unit's flap by pressing the two release buttons simultaneously. Slide the plug of the Mask into the flap using the two guiding rails. Make sure that the LEDs of the Communication Unit and Mask are pointing upwards.



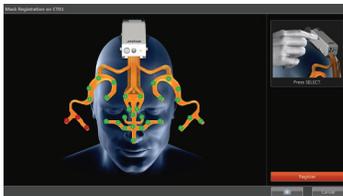
5. Push the Mask as far as it will go into the Communication Unit. The correct fit of the Mask is reached if you feel it click. Close the flap.



6. Insert a battery into the Communication Unit. Activate the Mask by pressing and holding the select button for 3 seconds on the Communication Unit until you hear the chime. In case of a defective or unconnected Mask, the status light flashes red indicating to replace Mask and check contact pins of the Communication Unit.



7. The software will respond to the activation of the Mask by starting the Mask registration workflow. Utilize the LiveCam (Stryker NAV3i™ system only) to position the camera and ensure the Mask is within the working space of the camera. Follow software prompts to perform registration.

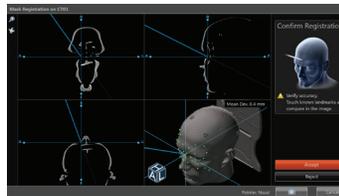


8. Press *Select* to register the Mask. Ensure that as many LEDs as possible are green. Then select *Register*.

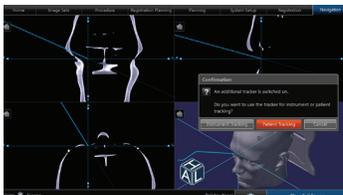
LED indications are: light green = visible, red = not visible, gray = defective



9. Activate and validate Smart Instrument. Then confirm registration is accurate using known anatomic landmarks.



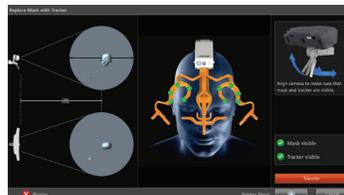
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10. For transfer of registration from the Mask to a Universal nGenius® Tracker:

- 1) Attach Universal Tracker to Mayfield Adapter.
- 2) Activate the Universal nGenius Tracker.
- 3) Choose *Patient Tracking* on the software. The registration transfer workflow starts automatically.
- 4) Confirm both the Mask and the Universal nGenius Tracker are visible to the camera (green check marks will appear in the software). Follow the software prompts to complete the transfer.

Do not move any of the tools (Mask or Tracker) during transfer.



11. Confirm registration is accurate after the transfer by touching known anatomic landmarks.

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Stryker Navigation
4100 East Milham Avenue
Kalamazoo, MI 49001 USA
t: 269 323 7700, f: 800 999 3811
toll free: 800 253 3210

Stryker Leibinger GmbH & Co. KG
Bötzingler Straße 41
D-79111 Freiburg, Germany
t: + 49 761 4512 0, f: +49 761 4512 120

www.stryker.com/navigation
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