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# trUpoint ARCH™ SRS/SRT Immobilization

for an accurate, repeatable, comfortable hold



## trUpoint ARCH SRS/SRT Immobilization

The trUpoint ARCH is an ideal solution for non-invasive Stereotactic Radiosurgery (SRS) and Stereotactic Radiotherapy (SRT), with multiple points of fixation for an accurate, secure hold.

### Accurate

- Immobilization is accomplished using multiple components – custom head support, bite tray, thermoplastic mask, and nasion cushion – allowing a truly custom hold for superior results
  - When used with CIVCO's Universal Couchtop™, setups are dosimetrically matched from simulation to treatment
  - Repeatability testing of the indexing system demonstrates accuracy within 1 mm

### Repeatable

- Interfraction patient positioning tests show equivalency to higher-priced competitive systems
  - Every setup is specific to each patient, ensuring excellent reproducibility from fraction to fraction
  - The Individual Head Support provides increased patient customization during setup

### Comfortable

- Frameless arch design provides a secure hold with no surgical attachment to the patient
  - Custom, conformal head cushion and open-faced mask provide comfortable support
  - Release mechanism allows rapid response for anxious patients

### Hold

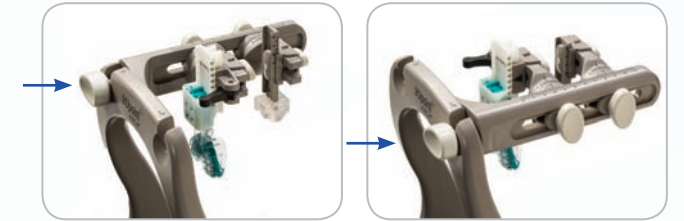
- Less than 1 mm of patient movement permitted during intrafraction immobilization testing (based on the 90% confidence intervals of the vertical, longitudinal, and lateral mean intrafraction values)
- Multiple points of fixation secures the patient in a strong, non-invasive hold
- Every component of the trUpoint ARCH system, from the thermoplastic mask to the nasion positioner, has been designed specifically for SRS patient immobilization



## Step by Step Setup

### 1 Arch Orientation

Determine how the trUpoint ARCH should be oriented for optimal treatment. If arm needs to be flipped, loosen the large frame knob and rotate the arm 180°. Then use medium and small knobs to correctly orient the bite block and nasion assemblies.



### 2 Headrest & Dental Impression

Create Individual Head Support for patient. Fill the Bite tray with non-adhesive dental putty and insert into the patient's mouth. Allow to sit for 2–3 minutes until putty is formed.



### 3 Thermoplastic

Form Posicast® Thermoplastic over patient.



### 4 Attach Arch

Position all components of the arch so they will not contact the patient. Then insert docking pins and use the base locks to secure the arch.



### 5 Secure Bite Cup

Position bite cup as close to patient's lips as possible without touching. Lock black lever on bite assembly to secure. Insert putty, filling the bite cup completely.



### 6 Lower Nasion Piece

Align and lower the nasion piece. Setup is now complete.



\*Putty Dispenser is MR Unsafe and must be used for setup outside of the MR environment.

“Having two points to secure the patient, one at the bridge of the nose and also the bite block, in addition to the mask, provides excellent immobilization for stereotactic cranial patients.”

- Heidi Hurst, MS DABR, Medical Physicist, Southern Crescent Radiation Oncology Center, LLC