

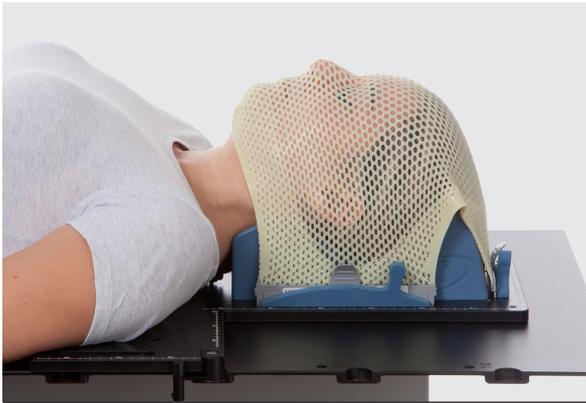


The
precision
expert

HEAD AND NECK IMMOBILIZATION FOR STEREOTACTIC TREATMENT

The Orfit High Precision (HP) mask system for head, neck and shoulders offers the precision needed for stereotactic treatments.

The use of an Orfit hybrid mask in combination with an Orfit High Precision Head Support limits patient movement to allow SRS treatment. If necessary, a personalised head rest can be created by using Thermofit or a small Vacuum bag.



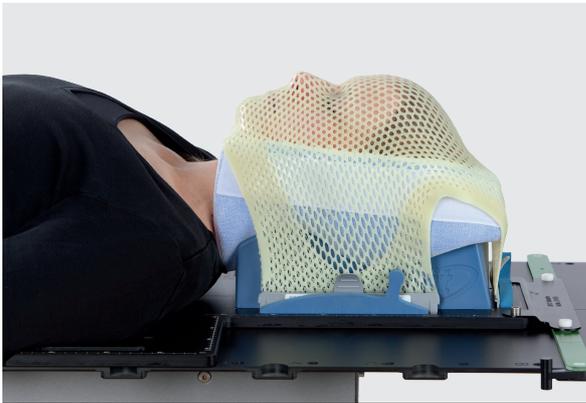
Hybrid mask

HYBRID MASK

Orfit hybrid masks consist of a layer of Efficast thermoplastic material and an additional layer of thin Nanor thermoplastic that acts as a reinforcement.

The combination of two materials offers increased mask stability to create a superior immobilization, while maintaining a level of patient comfort that is needed for lengthy procedures.

Hybrid masks are available for head and neck immobilization (Art. N° 33740/2MA/12MI+N/NH) and for the immobilization of head, neck and shoulders (Art. N° 33730/2MA/12MI+N/NH).



Thermofit

THERMOFIT

Thermofit is an innovative thermoplastic solution for the creation of a personalised head support in radiotherapy.

Thermofit becomes mouldable after heating in an Orfit water bath or an oven. Place the Thermofit in an Orfit HP Head Support before positioning the head of the patient.

While the material cools down and becomes rigid, it takes on the exact curvature of the head and neck of the patient.



Vacuum bag

VACUUM BAG

A small vacuum bag is used to create an individual head rest that perfectly follows the contours of the head and neck of a patient and that eliminates gaps under the neck.

Both the hybrid mask, Thermofit and the vacuum bag fit on regular Orfit HP Base Plates and Head Supports.

They do not require a separate set-up than the one used for regular fractionated radiotherapy.



The
precision
expert

CLINICAL STUDIES

Nayebi N., 2011, Comparison of Inter-Fraction Setup Uncertainty of Two Commercially-Available, Cranial Immobilization Masks Using KV-CBCT and ExacTrac® Imaging Systems, Medical Physics, vol 38, issue 6, part 18, p 3603

Ali-Ali S., 2012, Improvement of patient positioning in frameless stereotactic radiosurgery of brain metastases using an extra-supported fixation mask, ESTRO 31 abstract book 2012

Ouzidane, M., 2013, Spine stereotactic body radiotherapy – Experience from Cleveland Clinic, Applied Radiation Oncology, June 01, 2013

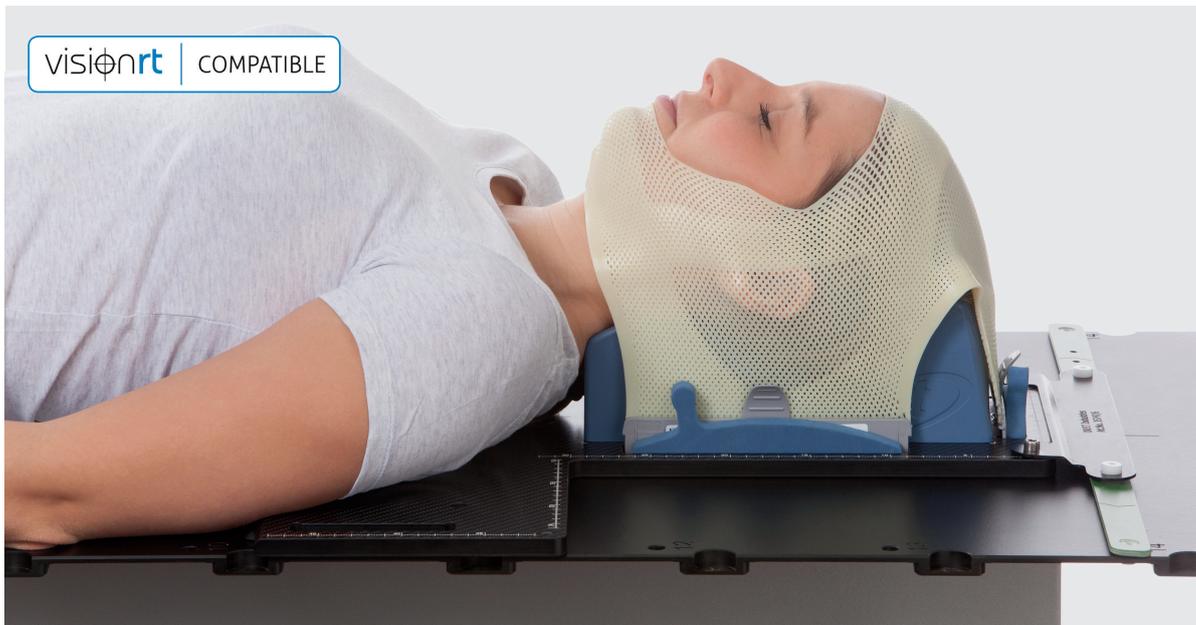
Kernan, C., 2011, Comparison of image-guidance modalities for stereotactic radiosurgery(SRS): a single institution experience, Journal of Radiosurgery and SBRT, vol1 suppl1, p.19-20

Kataria, T., 2013, Frame-based radiosurgery: Is it relevant in the era of IGRT?, Neurology India, vol 61, issue 3, p277-281

HEAD AND NECK IMMOBILIZATION FOR STEREOTACTIC TREATMENT WITH VISION RT'S ALIGNRT SRS MODULE

Open face masks are less claustrophobic and more comfortable than a frame based system and allow continuous surface monitoring in real time during the whole SRS treatment. This was confirmed by the authors of the publication 'Comparison of head immobilization with a metal frame and two different models of face masks' (Jursinic P., 2018).

The Orfit 3-points Open Face Hybrid mask is a Vision RT Compatible mask that enables monitoring of patient movement at all times and at all angles, by tracking the surface of the skin in real time. The mask offers the required stability for an SRS treatment.



Art. N° 33759/16MI/12MI+N
3-points open face hybrid mask

Jursinic P. Comparison of head immobilization with a metal frame and two different models of face masks. J Cancer Cure. 2018; 1(1): 1002.

Access the Vision RT disclaimer on www.orfit.com/app/uploads/Disclaimer-Vision-RT-website.pdf

www.orfit.com



ORFIT INDUSTRIES

Vosveld 9A | B-2110 Wijnegem | Belgium
T (+32) (0)3 326 20 26
welcome@orfit.com