AnatGe

ONCOLOGY PRODUCTS CATALOG

AnatGe designs and produces medical devices in the **field of oncology**. Our products arise from clinical practice and seek to solve its problems in an innovative manner. All incorporate new improvements or advances to existing technology, which offer clear clinical advantages and even constitute a relevant change in the manner in which treatments are applied.

AnatGe's purpose is to change **stereotactic radiosurgery (SRS) and high oxidative stress therapy (SBRT or SABR)** from a status of special techniques to **conventional treatments** that all cancer patients can enjoy. We therefore know that our technologies must improve efficiency of treatments, reduce application times and design costs.

"Because technology should not be complex"

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Head & Neck Stereotaxy

eXaFrame is a stereotactic system specifically **designed for perfect fusioning of Head and Neck (H&N) CT-MRI images** and treating tumors with SBRT located in these anatomic regions (especially in the neck).

Thoracic & Abdominal Stereotaxy

eXaCradle is a modular stereotactic system designed to reduce movement of tumors and internal organs in the thoracic and abdominal areas, which is joined to a reproduction system in the stereotactic position. eXaCradle is especially designed for the application of **AG-SBRT.**

Skin Treatment

eXaSkin is the only **High Density Bolus -HDB-** on the market well suited for treating surface tumors using photons. With eXaSkin, it is possible to avoid the use of electron beams in treating this type of tumor, although using these is complementary.

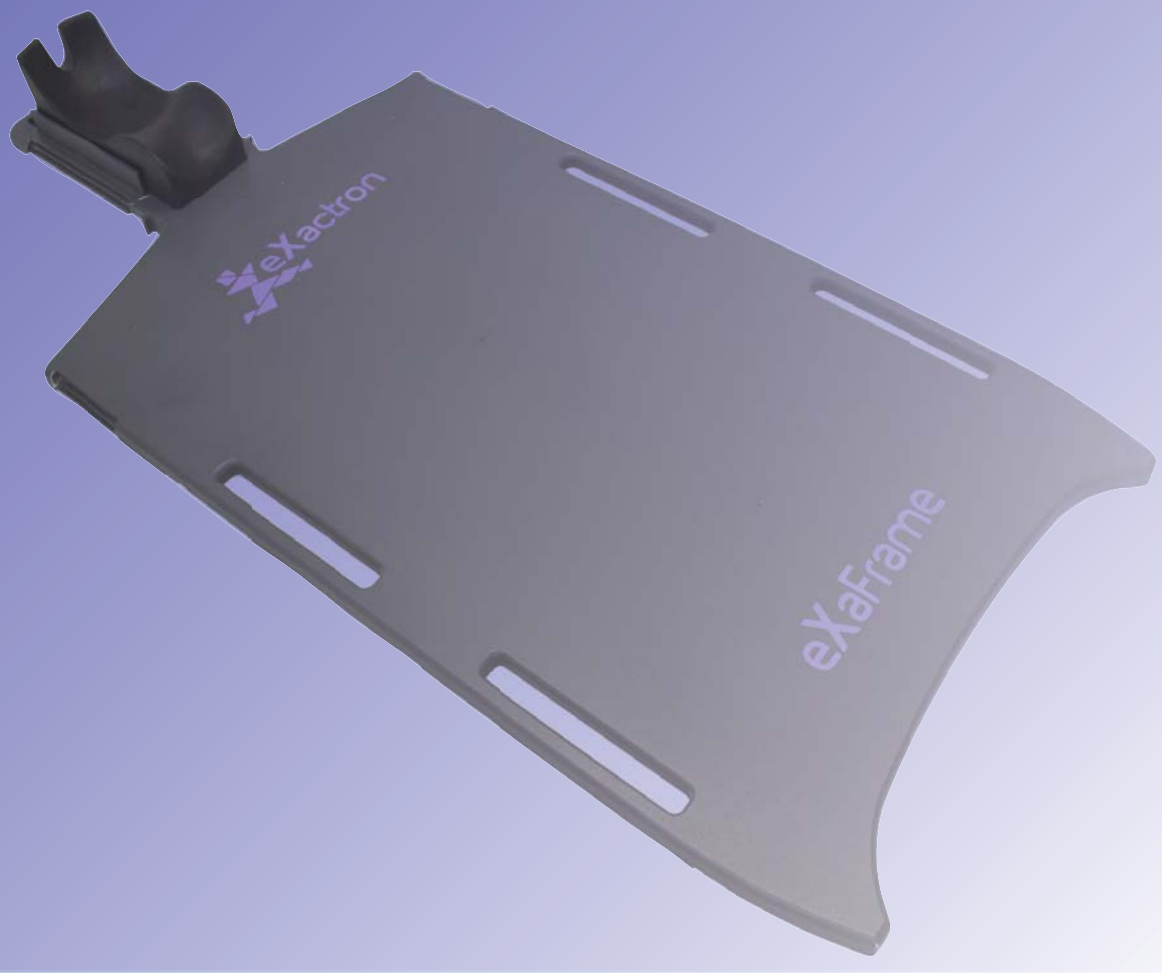
Other uses of eXasKin: SUBMASK.

Miscellaneous Accessories

Head & Neck Stereotaxy

eXaFrame

Designed for perfect fusioning of CT-RMI H&N Images



eXaFrame

eXaFrame is a stereotactic system **specifically designed to perfectly merge Head and Neck (H&N) CT-MRI images** and treat tumors with SBRT located in these anatomic regions (especially in the neck).

It is the only product on the market d**esigned to be introduced into conventional resonance antennas and CT**, through which extremely reliable and **high quality CT-MRI fusions** are achieved.

In addition, eXaFrame is manufactured with sintered materials that are radio-transparent and dielectrically compatible with MRI, which are used to capture images and process them, with the patient immobilized in exactly the same position.

Advantages of eXaFrame vs conventional immobilization systems:

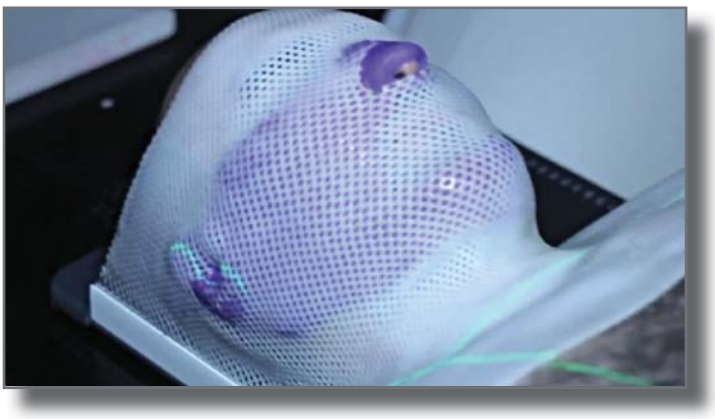
- Compatible with **TAC, RMI y PET** (diagnostic) and treatment.

- **Drastically reduce fusioning times**.

- **Submillimetrically** precise CT and MRI image fusions are achieved.

- Treatments **efficiency and efficacy** are increased.

- Treatments **toxicity is reduced.**



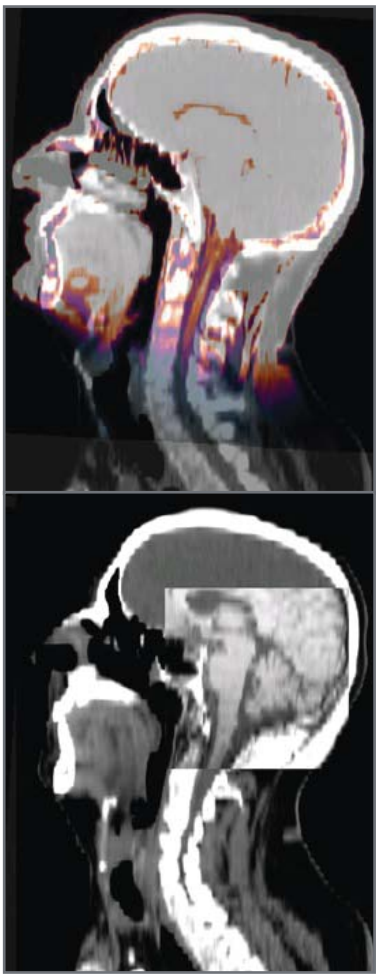
Other eXaFrame features

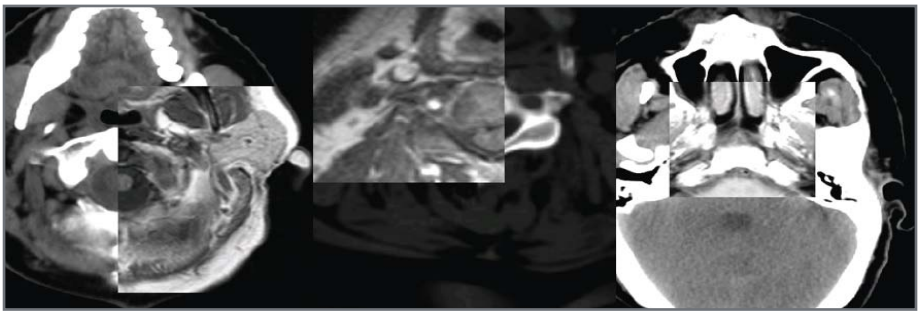
- Fusions are only one of its uses as it can be used for all standard type H&N treatments, lymphomas, **medulloblastomas**, pediatrics, **pancreatic** and **melanomas**.

- It does not require external mechanisms or extra parts to affix the masks: **fast and easy usage.**

- In combination with eXaSkin, which can be used as **SUBMASK**, eXaFrame i**ncreases precision of H&N Fusions**.

"With eXaFrame, submillimetrically precise CT and MRI image mergers are achieved"



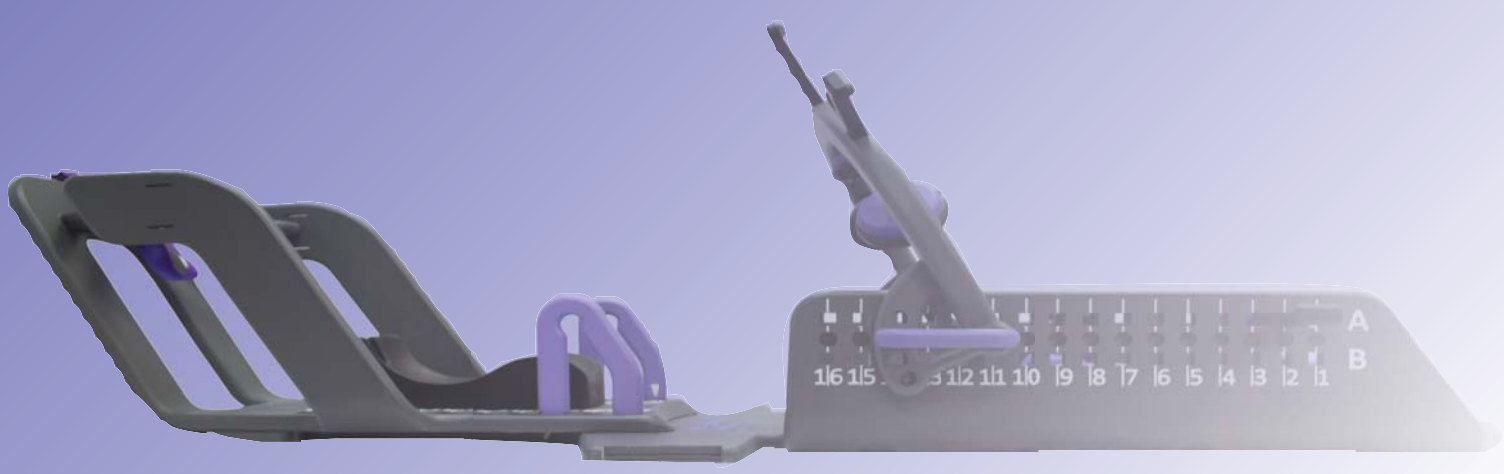


"eXaFrame is radio-transparent, compatible with PET, CT, RMI and treatment procedures"

Thoracic & Abdominal Stereotaxy

eXaCradle

Designed for AG-SBRT



eXaCradle

eXaCradle is a **modular stereotactic system designed to reduce movement of tumors and internal organs in the thoracic and abdominal areas**, which is joined to a reproduction system in the stereotactic position. eXaCradle is especially designed for the application of **AG-SBRT**.

In contrast to conventional dampening systems that have a sole pressure point on the diaphragm, eXaCradle combines **seven pressure points** with angular modifications, offering a tremendous number of degrees of freedom to personalize compression for each patient, according to the tumor's localization.

eXaCradle consists of three modules:

- **Support Module on which the patient rests.**

- **Abdominal Compression Module**.

- **Diaphragmatic Compression Module.**

With application with the various pressure points eXaCradle provides (retroabdominal, costal, diaphragmatic, etc.), a **significant reduction of tumor movements** is attained in a personalized manner at its localization and **without creating discomfort or reduction of respiratory capacity problems** in most cases. eXaCradle permits treatment of tumors through SBRT that were previously difficult to treat using this type of technique:

- **renal tumors,** in which eXaCradle positions and stops the kidneys to the diaphragmatic plexus area while the diaphragm continues moving freely. It is thereby possible to perform 10-12 minute treatments in three sessions.

- **peripheral lung tumors** in which eXaCradle stops ipsilateral costal respiration without needing to restrict diaphragmatic movement or cause the patient pain. 10-12 minute treatments in three sessions.

- **medulloblastomas,** provided that eXaCradle achieves **perfect immobilization of the head** and vertebrae column during treatment. In addition, eXaCradle shares features with eXaFrame and allows a **perfect fusion of MRI and CT images.** This makes eXaCradle ideal for treating this type of tumor.

Clinical Advantages of eXaCradle

- Increases the types of tumors treatable through SBRT/SRS (eg. adrenal tumors).

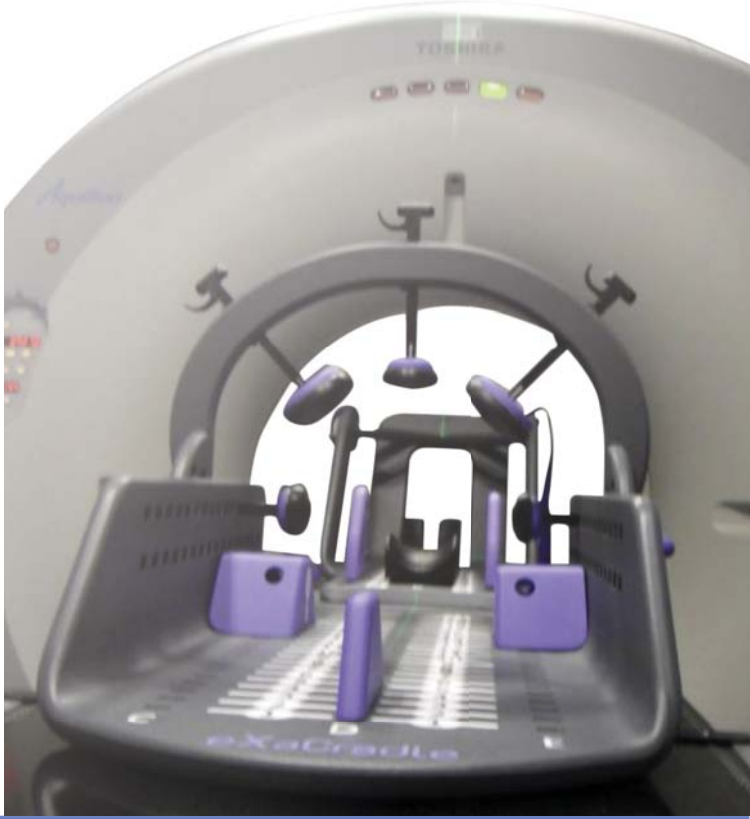
- Reduction of treatment times.

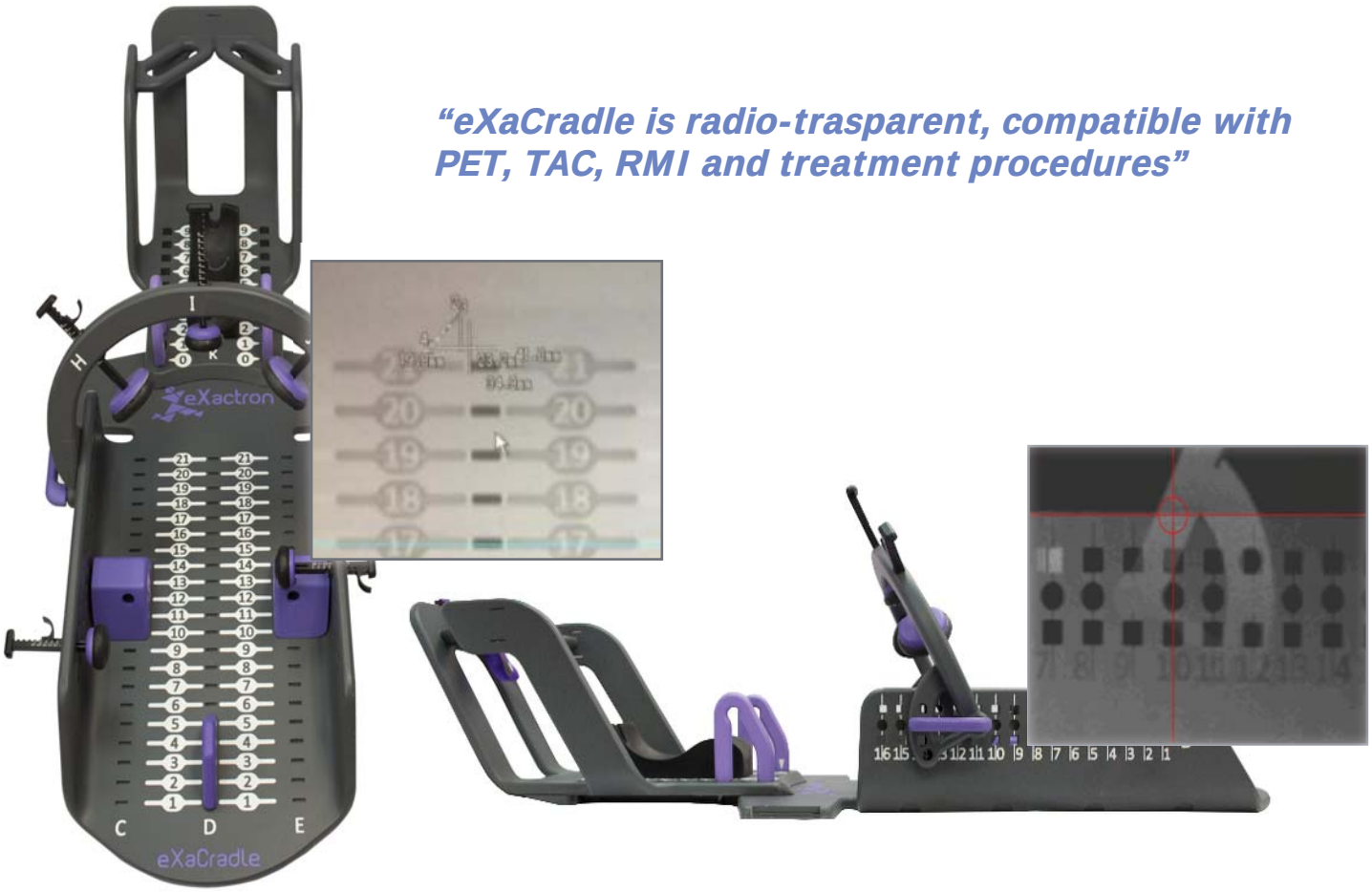
- **Reduction in toxicity and non-invasive.**

- Greater overall **efficiency in treatment.**

eXaCradle improves efficacy of SBRT techniques

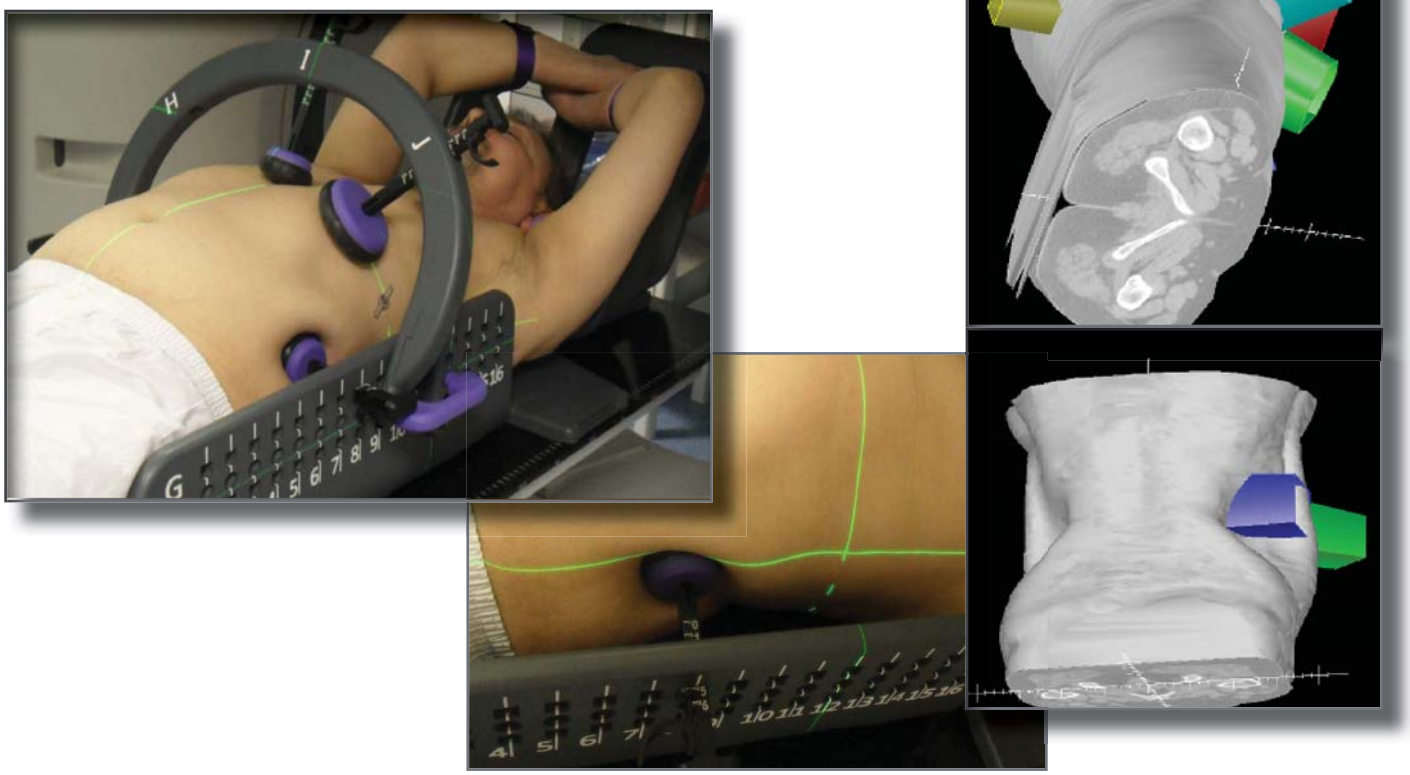
eXaCradle is compatible with the SLow-CT, 4D-CT, **gating and tracking** techniques, increasing their effectiveness and producing exponential improvements in their application.





"eXaCradle is radio-trasparent, compatible with PET, TAC, RMI and treatment procedures"

"With eXaCradle, patient anatomy is changed and a millimetric reduction in tumor mobility is achieved in the Thorax and Abdomen"



Skin Treatment

eXasKin -High Density Bolus-

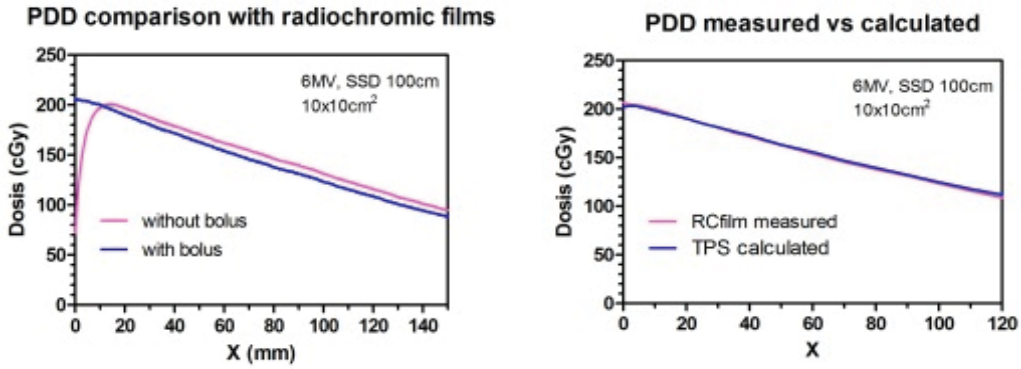
Designed for Skin Treatment

eXaSkin

eXaSkin is the only **High Density Bolus -HDB-** on the market well suited for treating surface tumors using photons. With eXaSkin, it is possible **to avoid the use of electron beams** in treating this type of tumor, although using these is complementary. eXaSkin **eliminates the toxicity caused by the use of electron beams.**

eXaSkin is presented in an **easily manageable paste format at room temperature** that fully adapts to any surface area on the body and solidifies in less than two minutes. This is especially recommended for treating highly critical regions (neck, ear, face, etc.), **dose not cause local toxicity** (dermatitis) and does not require complicated applicators to be used.

eXaSkin can be used as a **SUBMASK** to achieve a perfect imovilization of Head & Neck. Its combination with eXaFrame and our protocols, **it is possible to avoid hair loss in oligometastatic brain tumour treatments.**



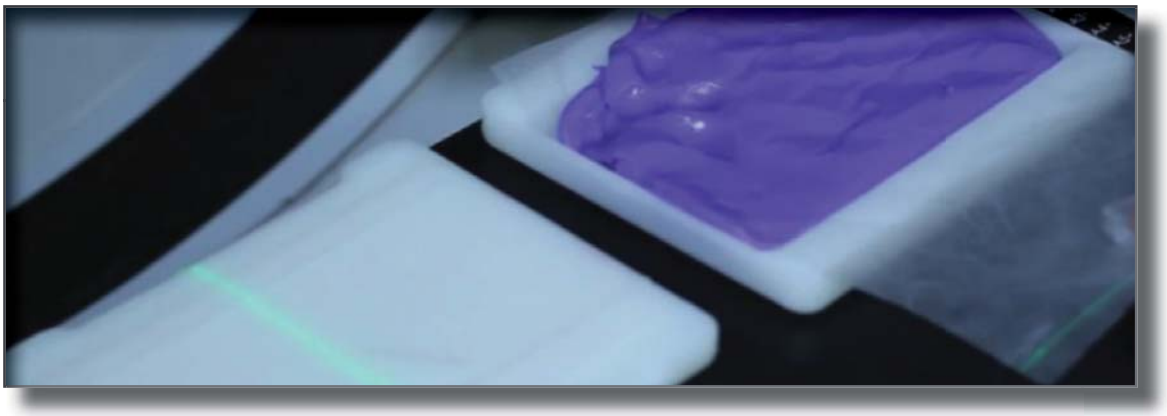
The analysis of comparative graphics of PDD curves with RC film for eXaSkin show:

- The complete elimination of “building-up” areas for 6 MV photon beams.
- It is calculable (accordance with data calculated in TPS).

“It is possible to treat superficial tumors using photons and eXasKin”

eXaskin features

- Moldable at room temperature.
- It fully adapts to the skin.
- It solidifies in two minutes.
- It is compatible with thermoplastic elements.
- Minimal retraction and dehydration.
- It is calculable in planners.
- It requires less thickness than conventional bolus.



“Sole bolus in paste format, no electrons are used whatsoever in skin tumor treatment.”

How to use eXaskin

a. Prepare a layer of eXaSkin following the recommended procedure.

b. Apply this layer over the area to be treated and, if required, place a thermoplastic mask over the layer.

c. Wait until eXaskin layer hardens (less than 2 minutes).

d. Acquire CT images for normal simulation.

e. Since eXaSkin can be calculated accurately, treatment planning is identical to any conventional photon beam application.

Tumors on external ear canal

Tumors on hands

Breat tumors

Sarcomas

Tumors on back of neck

Tumors on neck

Submask

“With the combination of eXaFrame and eXaSkin, a submillimetric precision has been achieved with Head & Neck MRI-CT Fusions”

Pillows

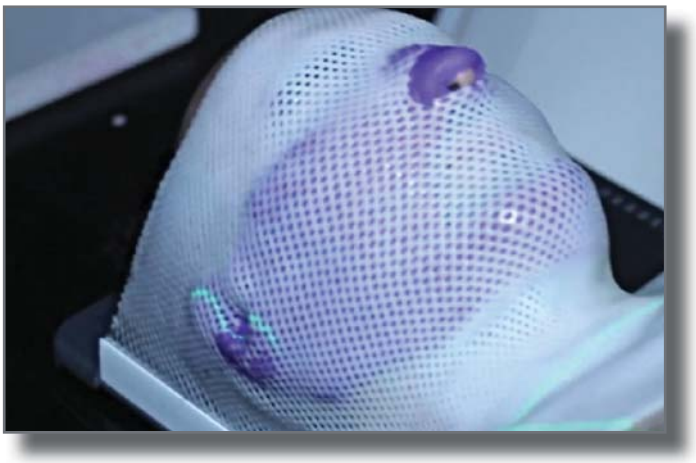
Head support in supine position. It has an opening to provide space for the head to exit and not interfere with positioning and ability to be reproduced.

Art No: AG- 104

Thermoplastic Masks

Universal thermoplastic masks.

Art No: AG- 105



Molds for eXaSkin

Molds are recomended for preparing eXaSkin layers.

Art No: AG- 106

Anatomical Geometry, S.L.
Hospital Universitario Virgen del Rocío
Edificio Laboratorios, Despacho nº 2
C/ Manuel Siurot S/N, CP 41013, Sevilla
info@anatge.com