PROTON

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Partner Sun Nuclear Corporation

Sun Nuclear is a leading provider of comprehensive Quality Management solutions for radiation therapy and diagnostic imaging. Their portfolio encompasses positioning systems, dosimetry tools, QA phantoms, detectors, dose rate monitoring devices, analysis software, and training phantoms. These solutions are designed to support medical professionals in ensuring accurate, safe, and efficient patient care.

Product offering

Proton Therapy Dosimetry Head (Model 731-HN) – CIRS

Proton Therapy Dosimetry Head (Model 731-HN) – CIRS

The CIRS Proton Therapy Dosimetry Head is an anthropomorphic head phantom designed for commissioning and treatment planning system (TPS) verification with any conformal or IMRT Proton Therapy system1.

The phantom consists of CIRS tissue-equivalent materials. The proton therapy head is suitable for all standard IMRT procedures.

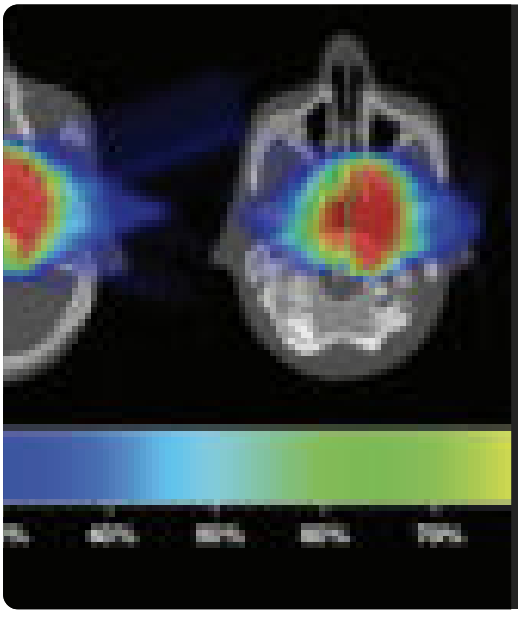
This phantom is ideal for treatment plan evaluation in high density gradient locations. This is because of the tissue equivalency of detailed internal structures. The internal structures include brain, bone with cortical and trabecular distinction, larynx, trachea, fully-open sinus cavities, nasal and mouth cavities, and teeth with distinct dentine, enamel and root structure.

This model approximates the average male human head in both size and structure to allow for intuitive set up with any patient positioning or fixation device.

PROTON THERAPY DOSIMETRY HEAD FEATURES

- Detailed internal anatomy including bone and air
- Three film locations in sagittal direction
- Tissue equivalent for protons and photons
- Dental filling and spine prothesis

If you want to read more about this phantom, take a look at our partner's website!



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Partner Ashland

Ashland is a global leader in specialty materials, offering innovative solutions that enhance safety, precision, and patient outcomes across various medical disciplines. Their portfolio supports healthcare providers in radiation therapy, diagnostic imaging, wound care, and regenerative medicine.

Product offering

Gafchromic HD-V2 Radiochromic Film – Ashland

Gafchromic HD-V2 Radiochromic Film – Ashland

Gafchromic HDV2 radiochromic film is designed for quantitative measurement of absorbed doses of high-energy photons. This self-developing film is perfect for a processorless environment.

Because this film doesn't require post-exposure processing, there are no chemicals to dispose of and you don't need a dark room.

To get the most accurate dosimetric measurement with this film, you can combine it with Ashland's FilmQAPro™ software.

This film comes in boxes of 5 pc. with sheets of 20,32 cm x 25,4 cm (8" x 10").

GAFCHROMIC HDV2 RADIOCHROMIC FILM BENEFITS

- Dynamic dose range from 10 Gy to 1.000 Gy
- Develops in real time without any post-exposure treatment
- Near tissue equivalent
- High spatial resolution
- Active coating exposed for detection of low energy photon and electron
- Marker dye in the active layer
- Stable at temperatures up to 60°C
- No dark room needed

If you want to know more about this film, take a look at our partner's website!