

# Internal Eye Shields

## Protecting your patients' vision

### Safeguard vision during treatment

Internal eye shields are used to protect the patient's lenses during superficial and orthovoltage radiation therapy treatments. An internal eye shield will protect structures directly under them.

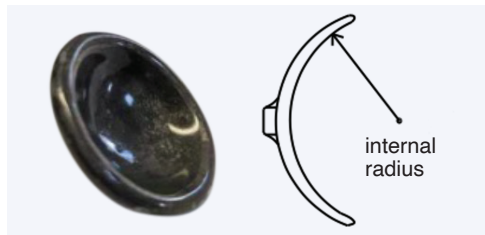
Xstrahl is pleased to have worked with Hull University Teaching Hospitals NHS Trust and the result is an eye shield for eye protection at a

price which is acceptable for "patient specific" use only.

### A simple, sight-saving solution

Xstrahl's internal eye shield is CE marked and comes in four different sizes. Each shield consists of an accurately formed spherical low porosity lead shield, which is coated inside and out, smooth enough to prevent irritation to the patient's cornea during

insertion and use. The internal eye shields are for applications up to and including 120kV, the typical maximum energy used to treat NMSC near the eye and its sensitive structures. Each internal eye shield requires sterilizing prior to their first use and then after and before each subsequent use for that patient. The internal coloring of each shield makes it easy to inspect and detect any defects prior to insertion.



## NEW AND IMPROVED DESIGN

Internal eye shields for use during superficial and orthovoltage radiation therapy treatments are now available from Xstrahl. They are CE marked and quality tested to ensure the safest eye protection for your patients. If you have any questions on the internal eye shields, please reach out to us at [xstrahl.com/eye-shield-questions](https://www.xstrahl.com/eye-shield-questions).



*Eye shields come in multiple colors and sizes.*



### Thicker coating

Colors allow quality control so it easy to see any defects.

### Transmission

5.3% @ 60kVp  
10.4% @ 120kVp

### Backscatter

3% dose reduction @ 60kVp  
5% dose reduction @ 120kVp

### DIMENSIONS

SIZE NUMBER	INTERNAL RADIUS (MM)	OVERALL DIAMETER (MM)
2	12.25	21.00
3	13.50	23.00
4	14.75	25.00
5	16.00	27.00



Recently, Tom Murray, Principal Physicist, Superficial Radiotherapy at Castle Hill Hospital, Hull University Teaching Hospitals NHS Trust provided an overview webcast *Developing an Internal Eye Shield*.

See the video to learn more about Tom Murray's latest work.