

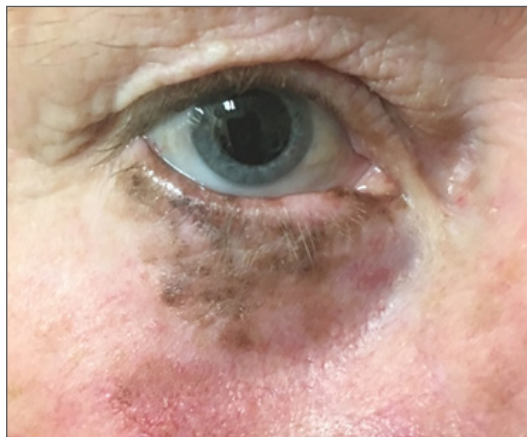
# CASE STUDY

**PATIENT AGE:** 52 | **SEX:** FEMALE

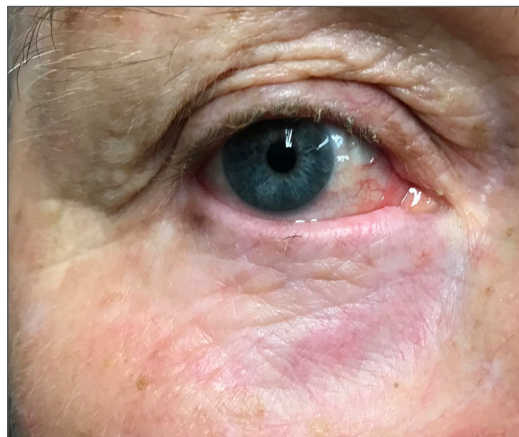
**TYPE:** LENTIGO MALIGNA | **LOCATION:** LOWER RIGHT EYELID

**PRESENTATION:** LESION OF THE RIGHT LOWER EYE LID INVOLVING THE CUTANEOUS AND CONJUNCTIVAL SURFACE

## RADIOTHERAPY SYSTEM: XSTRAHL 150



*Pre-treatment*



*1 year post treatment*

### DIAGNOSIS AND PRESCRIPTION

**Treating Radiation Oncologist: Professor Gerald Fogarty**

LESION	TYPE	LOCATION	FIELD SIZE	NO. OF TREATMENTS
1	MELANOMA IN SITU	LOWER RIGHT EYELID	5CM	30

### KEY FACTS

- The patient noticed a progressive pigmentation of the lower right eye lid over several years which had significantly worsened over the previous twelve months.
- Examination revealed a lesion involving the cutaneous and conjunctival surface of the lower eyelid.
- Given the extent of the lesion and the likely morbidity from surgical excision and reconstruction, the patient was referred to radiation oncology for an opinion.

### TREATMENT OUTCOMES

- The patient was prescribed 60 Gray in 30 fractions with a 100kV beam at 30cm source using the Xstrahl 200 system.
- Treatment was carried out with a 2mm tungsten internal eye shield in addition to the lead cut-out.
- The patient reported mild dry eye which was effectively managed with lubricant eye drops.

### 12-MONTHS POST TREATMENT

- The patient reported normal visual acuity post treatment and reported excellent results and improved cosmesis.
- Biopsies showed no demonstrable melanoma in situ after 12 months.