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

DIAGNOSIS AND PRESCRIPTION
Treating Radiation Oncologist: Professor Gerald Fogarty

<table>
<thead>
<tr>
<th>LESION</th>
<th>TYPE</th>
<th>LOCATION</th>
<th>FIELD SIZE</th>
<th>NO. OF TREATMENTS</th>
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<tr>
<td>1</td>
<td>MELANOMA IN SITU</td>
<td>LOWER RIGHT EYELID</td>
<td>5CM</td>
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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.