Case Study—Basal Cell Carcinoma’s

History
An 75 year old patient was referred by Dermatologists for treatment on multiple Basal Cell Carcinoma’s (BCC) on the forehead and left temple.

Pathology
A BCC is a malignant tumour which arises from the basal cells within the Stratum Basale layer of the epidermis. They most commonly occur as a result of over exposure to UV radiation and account for the majority of skin cancers arising globally. Unlike other forms of skin cancer BCC’s do not have the capability to spread to other areas of the body but can be very locally destructive. They are fairly radiosensitive and therefore respond well to Superficial Radiotherapy.

Treatment
The area was marked up for treatment using a 5mm margin around the visible edge of each tumour. The left temple was a large irregular field that required a customised lead cut out to be made

Radiotherapy Prescription
Forehead - 35Gy in 5 fractions (7Gy per fraction)
HVL - 3.39mm Al (100kV)
Field Size-3.3cm x 3cm ellipse
Left Temple - 40Gy in 10 fractions (4Gy per fraction)
HVL - mm Al (120kV)
Field size - 6cm x 4cm plus customised PB cut out.

One Year Post Treatment

The patient was treated using an Xstrahl X-Ray Therapy System at Colchester Hospital University NHS Trust.