

## **SURE – Equipment Provided during 2019**

During 2019 SURE committed funding of **£494,313** to providing items of equipment to the Radiotherapy Department at the Beacon Centre at Musgrove Park Hospital to further improve patient diagnosis, treatment and outcomes. With the rolling replacement of the three Radiotherapy treatment machines (Linear Accelerators/Linacs) at the Beacon Centre starting in 2019, as expected, SURE funding was committed in 2019 to ensure the new Radiotherapy machines are able to give maximum benefit to patients as soon as each is commissioned.

### **Projects Funded by SURE in 2019:**

**Large Bore CT Scanner/Simulator Replacement** - Further funding to cover all the pre-installation Turnkey Room works for the new CT scanner (the purchase of which was funded by SURE in 2018) was provided at a total cost to SURE of **£91,120.80**

**Phoenix Linac Replacement works** – The replacement of the Trust owned Linac was funded by the NHS but this did not cover the associated works required without which the 3<sup>rd</sup> Linac could not be installed. SURE undertook to fund all associated work: to remove the existing machine, strip out the bunker and control room removing all equipment, professional fees for architect, mechanical and electrical engineers and the install building works (including: concrete seat for Linac, new floor, cabinets, IT works, CCTV, instal lasers, kit out control room, room for Linac computers, ceiling tiles, new sink and tap). Funded at a total cost to SURE, to ensure a high level spec was achieved, of **£194,000**.

**Environmental Ceiling Light Panels & Dimmers** – SURE approved funding to install overhead ceiling light panel artwork above the treatment couch for all 3 Linacs, together with associated dimmers, to allow the brightness to be reduced during treatment. Funded by SURE at a cost of £25,599 for the light panes £2,762 for the dimmers. A total cost to SURE of **£28,361**

**Immobilisation Equipment** – SURE approved funding for the replacement of various items of patient immobilisation equipment which had reached the end of its useful life. Funded by SURE at a cost of £15,221.28 for Combifix (Knees) and £23,840.60 (Head and Neck boards), a total cost to SURE of **£39,061.88**

**In-Bunker Screens** – SURE approved funding for 6 wall mounted monitor screens, 2 monitors to be installed each Linac treatment room, the first two rooms were completed and 4 screens funded at a cost of £575.98 and £622, a total cost to SURE in 2019 of **£1,197.98**, with the final 2 monitors (for the Orion Linac treatment room) expected to be invoiced in 2020.

**Beekley Spots & Crosshairs** – SURE approved funding for the use of Beekley spots and crosshairs for use in the initial CT scan for an initial 12 months, after which their use will be reviewed and further SURE funding may be requested. Funded by SURE at a cost of **£1,224**

**CT Scanner Maintenance** – Year 2 maintenance for the CT Scanner funded by SURE at a cost of **£31,547.73**, leaving SURE committed funding of Year 3 scanner maintenance to be paid in 2020.

**Mosaiq Data Director** – To support the rolling replacement of the three Linacs SURE approved funding for the Elekta Mosaiq Data Director (including the first 2 years service contract) in 2018. This was invoiced and paid in 2019 at a total cost to SURE of **£100,085.03**

**Siemens Resolve Software** – Authorised in 2018 with payment made in 2019, at a cost to SURE of **£7,715**

## A look ahead at 2020

SURE is committed to ensuring cancer services at Musgrove Park Hospital, and the Beacon Centre in particular, continues to offer high quality cancer care to internationally recognised standards, as SURE continues to provide equipment and support not otherwise available within the NHS budget that is assessed to be of real benefit to patients.

SURE is committed to supporting the introduction of new and improved cancer diagnosis and treatments, enabling the Beacon Centre and wider Oncology departments at Musgrove Park Hospital to participate in national cancer treatment trials, leading to more patients being able to be treated locally at the Beacon Centre.

The replacement of the third and final Linear Accelerator (Orion) used to deliver Radiotherapy treatment at the Beacon Centre is taking place in 2020. Once all three new linacs are operational SURE will work with the Radiotherapy team to produce a **Vision for Radiotherapy in 2021**, to make best use of the capabilities provided by the new Linacs, and identify areas where SURE funding can help deliver the best radiotherapy treatment and support to cancer patients across Somerset. This will give SURE a focus for fundraising activity in 2020-2021.

Funding approved by SURE expected to be invoiced in 2020 includes:

1. **Pinnacle Treatment Planning System Software Update** – SURE approved funding in 2019 for the upgrade of the Pinnacle Treatment Planning System software to include AutoPlanning & Plan IQ upgrade with automatic upgrade entitlement to Pinnacle Evolution when launched, at an estimated cost to SURE of **£144,196**
2. **Network Attached Storage (NAS)**– SURE approved funding in 2019 for the replacement of the patient information storage system, the NAS, at an estimated cost to SURE of **£12,288**

**Other potential projects in 2020 include:**

1. **DICOM Modality Worklist module for MOSAIQ**. To provide imaging devices used in oncology such as CT, MRI and PET, with a direct, electronic transfer of patient information from the MOSAIQ patient record system. At an estimated cost of **£4,203.95**
2. Funding for the **Refurbishment of the Beacon Centre Staff Room**, to give the staff a room where they can go to relax and take a well deserved break, to show how much we value them and the support they give to patients.
3. Funding for the **Refurbishment of the Patient Counselling rooms** in the Beacon Centre to create better surroundings in which to talk to patients about their diagnosis and treatment.
4. Funding the provision of a new **Radium 223 treatment Suite** at the Beacon Centre, Musgrove Park hospital, to target by injection bony metastases from prostate cancer at a cost to SURE in the region of £100,000

### **Impact of COVID 19**

Whilst this report is focussed on SURE's 2019 activity it is appropriate to include a statement on the impact of Covid-19. Whilst the Radiotherapy Department continued with the replacement of the third Linac during the pandemic, the focus of the Beacon Centre over the first half of 2020 has been quite rightly to continue patient treatment at the expense of planning for any new equipment to be provided with SURE funding. It is hoped that the Vision paper can be used to kick-start the provision of funding new equipment by SURE before the end of 2020. SURE has allocated funding of £20,000 to the Radiotherapy Department to purchase laptops and software to enable staff to work remotely as and when required during the Covid-19 pandemic.