


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <b>10317</b> Accredited to BS 70000:2017	<b>Hull University Teaching Hospitals NHS Trust</b> Issue No: 005 Issue date: 04 February 2022	
	Radiation Physics Castle Hill Hospital Cottingham HU16 5JQ United Kingdom	Contact: Richard Whitlam Tel: +44 (0)1482 461193 E-Mail: Richard.Whitlam@hey.nhs.uk Website: <a href="https://www.hey.nhs.uk/queens/services/radiation-physics/">https://www.hey.nhs.uk/queens/services/radiation-physics/</a>

**Activities performed by the Organisation at the locations specified below**

### Departments covered by the organisation and their relevant activities

Department details	Activity	Location code	
<b>Address</b> Radiation Physics Castle Hill Hospital Cottingham HU16 5JQ United Kingdom	<b>Local contact</b> Richard Whitlam	Radiation Therapy Physics <ul style="list-style-type: none"><li>• Treatment Planning</li><li>• CT and Patient Specific QA</li><li>• Linac and Orthvoltage QA</li></ul>	A
<b>Address</b> Radiotherapy Castle Hill Hospital Cottingham HU16 5JQ United Kingdom	<b>Local contact</b> Richard Whitlam	Radiotherapy <ul style="list-style-type: none"><li>• CT Imaging</li><li>• Treatment Planning</li><li>• Linac &amp; CT QA</li></ul>	B



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DETAIL OF ACCREDITATION

Activity	Examination / Procedure Performed	Equipment/Techniques used	Location code
External Beam Radiotherapy treatment of Adults	Pre and On treatment Imaging for purpose of planning for : <ul style="list-style-type: none"> <li>- Breast</li> <li>- Head and Neck</li> <li>- Prostate</li> <li>- Lung</li> <li>- Oesophagus</li> <li>- Bladder</li> <li>- Pancreas</li> <li>- Brain</li> <li>- Rectum</li> <li>- Anal Canal</li> </ul>	Documented In house methods (LOC_PRD_2) using the following: <ul style="list-style-type: none"> <li>• Computerised Tomography               <ul style="list-style-type: none"> <li>- Siemens Somatom Go Open Pro scanners, 128 slice.</li> </ul> </li> </ul>	B
	Dosimetric calculations and evaluation for planning of <b>radical</b> MV photon treatments for: <ul style="list-style-type: none"> <li>- Breast</li> <li>- Head and Neck</li> <li>- Prostate</li> <li>- Lung</li> <li>- Oesophagus</li> <li>- Bladder</li> <li>- Pancreas</li> <li>- Brain</li> <li>- Rectum</li> <li>- Anal Canal</li> </ul>	Documented In house methods using the following: <ul style="list-style-type: none"> <li>• Radiotherapy Treatment Planning System / Eclipse Treatment Planning System               <ul style="list-style-type: none"> <li>○ VSim</li> <li>○ IMRT</li> <li>○ VMAT</li> <li>○ Stereotactic - SBRT (lung only)</li> </ul> </li> </ul>	A
	Dosimetric calculations and evaluation for planning adult <b>palliative</b> MV photon treatments for all sites	<ul style="list-style-type: none"> <li>• Radiotherapy Treatment Planning System / Eclipse Treatment Planning System               <ul style="list-style-type: none"> <li>○ VSim</li> </ul> </li> </ul>	A & B
	Verification of MV photon treatment plans by: <ul style="list-style-type: none"> <li>- Independent Dose Verification</li> </ul>	Documented In house methods (Procedure number) using the following: <ul style="list-style-type: none"> <li>• Independent dose calculation software               <ul style="list-style-type: none"> <li>○ PTW Diamond</li> <li>○ IBA Compass</li> <li>○ Mobius3D</li> </ul> </li> </ul>	A B (VSim only)



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Activity	Examination / Procedure Performed	Equipment/Techniques used	Location code
External Beam Radiotherapy treatment of Adults	Verification of MV photon treatment plans by (Cont'd)  - Patient Specific QA	Documented In house methods (Procedure number) using the following:  - Point Dose Measurements <ul style="list-style-type: none"> <li>o Ionisation chamber detector array</li> <li>o IBA MatriXX Evolution</li> </ul> - Volumetric Measurement <ul style="list-style-type: none"> <li>o IBA Compass</li> <li>o Mobius3D</li> </ul> - EPID Based Measurements - Varian Portal Dosimetry	A
	Manual calculations for planning MeV electron and kV photon adult treatments of: - Superficial lesions - non-malignant skin conditions	Documented In house methods (TP-PRC-5 and TP-PRC-12) using the following:  • Manual calculation using documented data tables	A B
	Commissioning, quality control and maintenance of the following equipment:  • external beam radiation equipment: - Linear Accelerators (Linacs)  - Orthovoltage  • Computerized Tomography equipment:	Documented In house methods (EM-PRC-7, EM-PRC-8 and EM-PRC-13) using the following:  • Varian Truebeam • Clinac iX / OBI • Halcyon • Eclipse Planning System  • XStrahl 200  Documented In house methods LOC -PRC-6 using the following:  • Siemens Somatom Go Open Pro scanners, 128 slice.	A B (daily QC only)
END			