



CLINICAL TECHNOLOGIST(DOSIMETRIST)

INFORMATION FOR CANDIDATES

ABOUT THE TRUST

The Shrewsbury and Telford Hospital NHS Trust (SaTH) is the main provider of acute hospital services for around half a million people in Shropshire, Telford & Wrekin and mid Wales.

Encompassing some of the most picturesque parts of England and Wales, the Trust's catchment stretches from the Cambrian Mountains in the west, to Newport and the fringes of the Black Country in the east.

The main towns include: Bridgnorth, Ludlow, Market Drayton, Oswestry, Shrewsbury and Whitchurch (in Shropshire); Newport, Telford and Wellington (in Telford & Wrekin); and Newtown and Welshpool (in Powys) – all beautiful and unique.

Our main service locations are The Princess Royal Hospital (PRH) in Telford and The Royal Shrewsbury Hospital (RSH) in Shrewsbury which are located 20 minutes drive apart. Together they provide 99% of our activity. Both hospitals provide a wide range of acute hospital services including accident & emergency, outpatients, diagnostics, inpatient medical care and critical care.

We also provide services such as consultant-led outreach clinics at Telford, the Robert Jones and Agnes Hunt Orthopaedic Hospital, Gobowen and the Bridgnorth, Ludlow and Whitchurch Community Hospitals.

We employ more than 6,000 people, and hundreds of colleagues and students from other organisations also work in our hospitals. We benefit from around 1,000 wonderful volunteers, and our main charitable partners are the League of Friends at The Royal Shrewsbury Hospital, Friends of The Princess Royal Hospital, and the Lingen Davies Cancer Appeal which is based at The Royal Shrewsbury Hospital.



OUR VISION AND VALUES

The Shrewsbury and Telford Hospital NHS Trust is an organisation that strives to provide high quality, safe care for our patients in an environment which our staff are proud to work in

Our Vision:

“To provide excellent care for the communities we serve”

Our Values:



OUR VISION

We believe that by adhering to our Vision and working with our Values in mind we can behave in a way which will ensure the right results for the people that matter most – our patients and their families.

OUR VALUES

Our Trust Values provide a guide for our daily lives which we are all expected to uphold, both at work and when we are representing the Trust.

Our Values were developed by staff and our patients, so they represent what is important to us within the organisation and the way we should all behave towards patients, carers, visitors, partners and each other.

You will see our Values throughout the Trust; they are not just words on a page, they represent what we are about here at SaTH. We want patients and their families to say that the care and service they receive from all of us is consistently high-quality, safe, effective, and personalised, so the feelings behind the Values shouldn't come as a surprise to anyone working in the NHS.

The reason why it is important that they are clearly written down is, so we all know what's expected, and none of us are surprised if we are asked to explain any unacceptable behaviour. Ultimately, if we follow our Values, we will provide services that are better for our patients and better for each other.

COLLEAGUE BENEFITS

GENERAL

27 days annual leave entitlement at joining, increasing with length of service, plus 8 bank holidays

Flexible working policies

Generous maternity pay and 2 weeks full pay paternity leave

Colleague recognition scheme and long service awards

Option to buy and sell additional annual leave

Greener travel initiative, including cycle to work scheme and lift share

Childcare information and support available, including onsite nurseries

Discounted bus passes with Arriva

FINANCIAL

Access to various local and national discounts via various external websites

- Blue Light Card
- Health Service
- Discounts NHS

Salary sacrifice schemes for home electronics and bikes

Generous Pension scheme

Access to a financial support booklet

Pre-retirement courses

Free Will writing service

Savings and Loan schemes

HEALTH AND WELLBEING

PSYCHOLOGICAL SUPPORT

- Coaching
- Mental Health First
- Aiders Chaplaincy

PHYSICAL SUPPORT

- Fast track physiotherapy service Free
- eye test vouchers

HEALTHY LIFESTYLES AND EMOTIONAL SUPPORT

- Slimming World referral scheme Staff
- cervical screening service Long Covid support
- Access to wellbeing/rest rooms
- Menopause support including advocates, webinars, toolkits, clinics, and bi-monthly meet ups Men's
- Health - Bi-monthly forums and men's MOT
- Sleep School Wellbeing Support

Discounts with local gyms

LEARNING AND DEVELOPMENT

COACHING AND MENTORING

Opportunities to grow, develop and perform at your best

LEADERSHIP ACADEMY

Leadership and management training for all levels of staff

ACCESS TO ELEARNING COURSES

Many eLearning modules to learn from with access available at home

APPRENTICESHIPS

There are a growing number of apprenticeship opportunities at SaTH across all disciplines

Secondment and acting-up opportunities

Support to complete qualifications such as NVQ, Masters etc. whilst on the job



JOB DESCRIPTION

Job Title	Clinical Technologist (Dosimetrist)
Band	Band 6
Directorate	Service Delivery Directorate
Accountable to	Chief Dosimetrist
DBS Required?	Yes

JOB PURPOSE

To participate in the Treatment Planning and Mould Room service and assist in the supervision of these services.

This service includes the fabrication of patient immobilisation shells, to prevent patient movement during treatment, other treatment accessory construction and radiotherapy plans where complex three-dimensional radiation distributions are computed to maximise therapeutic efficacy to the tumour and minimise healthy tissue damage.

To implement and support any changes or improvements in the delivery of the service. To carry out all these duties in order to provide a state-of-the-art Radiation Physics service with a national profile for the benefit of the Trust and its patients.

The post-holder will be prepared to participate in further training and must achieve RCT registration as a Clinical Technologist or HCPC registration as a Therapy Radiographer.

To undertake other duties as directed by the Chief Dosimetrist.

To implement and support any changes or improvements in the delivery of the service. To carry out all these duties in order to provide a state-of-the-art Radiation Physics service with a national profile for the benefit of the Trust and its patients.

General and Job Specific Duties

1. Communication and Relationship Skills

To assist in the provision of technical advice to radiotherapy consultants, other clinicians, the Radiotherapy Business Manager, radiographers, and any other relevant staff at both hospitals on all matters relating to treatment planning and mould room and their associated duties, and for the use made of that advice.

To liaise with the Chief Dosimetrist and assist with the supervision of the treatment planning and mould room services.

Communicate effectively with patients regarding immobilisation devices.

Communicate and liaise with training supervisors, instructors and any other relevant staff with regard to continuous training and development.

2. Knowledge, Training and Experience

Understanding of treatment planning and mould-room acquired through to Degree level (IPEM accredited) or equivalent knowledge. Completion of specialist training courses.

To maintain an up-to-date knowledge of all current scientific, clinical and commercial developments relevant to treatment planning and mould-room practice, and relevant statutory requirements.

3. Analytical and judgemental Skills

To participate in the planning of complex radiotherapy treatments at the Royal Shrewsbury Hospital, to ensure the accurate and timely completion of all such plans, to liaise directly and effectively on a day-to-day basis with staff in the Radiotherapy Department concerning all aspects of the planning process, and to report directly and promptly to the appropriate radiotherapy physicist and technicians over all technical aspects of treatment plans.

To participate in all aspects of mould room duties, including the fabrication of casts, impressions, beam directional shells, and the marking and fitting of beam directional shells, as required.

To participate in departmental ISO9000 quality programmes.

4. Planning and Organisational Skills

To keep abreast of all developments in treatment planning and mould-room practice and in relevant radiotherapy equipment, techniques, and procedures.

In particular to take a leading role in the tracking of patients through the treatment planning and mould room service, such that tasks are completed accurately and in a timely manner. To report and problems, difficulties, or actions outside established protocols to the senior dosimetrist or appropriate clinical scientist.

To plan and organise training and self-study time and keep an up-to-date training portfolio or record of continuous professional development (CPD) where appropriate.

5. Physical Skills

Highly developed motor co-ordination for mould-room duties and associated workshop practices.

6. Responsibility for Patient/Client Care

Provides specialist clinical technical services to mould-room patients.

To assist in the commissioning of new treatment planning systems or upgrades.

7. Responsibility for Policy/Service

To assist in the development of quality assurance systems for all the Radiotherapy Physics service including the ISO9000 quality system.

To support any changes or improvements in the delivery of the service.

8. Responsibility for Financial and Physical Resources

Responsible for the safe personal use all workshop and dosimetry equipment.

9. Responsibility for Human Resources

To assist the line management of all the dosimetrist staff in Radiotherapy Physics.

To organise, mentor, train and supervise all dosimetrist trainees within the section ensuring that the highest professional standards are maintained.

To ensure staff are familiar with and fully trained on all equipment and computer systems within the section and to maintain competency and training records.

To cascade information such as protocol amendments, change of work instructions etc.

To take part in the theoretical and practical teaching and training of clinical scientists, clinicians, radiographers, technologists and other staff as required.

10. Responsibility for Research and Development

To carry out any research and development tasks, agreed with the Chief Dosimetrist / Senior Dosimetrist and Head of Radiotherapy Physics (SaTH).

To meet appropriate timescales for the completion of agreed development projects. From time to time to serve on project teams or other working groups.

11. Freedom to Act

May work independently within occupational or departmental policies/ procedures.

To carry out all duties in compliance with statutory requirements for radiation protection and health and safety.

12. Physical Effort

Occasional effort for patient manual handling. Able to lift and carry moderately heavy items e.g. shielding blocks and dosimetry phantoms.

13. Mental Effort

Intense concentration required for lengthy and complex treatment plans, can be greater than half a day for example.

14. Emotional Effort

Regularly exposed to and have to deal with distressed cancer patients regarding patient immobilisation devices, for example.

15. Working Conditions

Occasional exposure to workshop equipment hazards. Infrequent controlled exposure to ionising radiation (X-rays).

16. Communication and Relationship Skills

To provide technical radiotherapy treatment planning advice to radiotherapy consultants, other clinicians, radiotherapy management, radiographers, and any other relevant staff on all matters relating to the technical aspects of the Radiotherapy systems and their associated components. Also, to deputise for the Lead Clinical technologist (Dosimetrist) in the provision of advice on all matters relating to radiotherapy and its associated components and accessories, and for the use made of that advice.

Professional Development

To take every reasonable opportunity to maintain and improve professional knowledge and competence and participate in a recognised program of Continuous Professional Development.

To participate in appraisal, personal objective setting and review, including the creation of a personal development plan.



PERSON SPECIFICATION

The following pages contain a description of the qualifications, skills, experience, knowledge and other attributes a candidate should ideally possess to successfully perform this role.



QUALIFICATIONS

ESSENTIAL	DESIRABLE
<ul style="list-style-type: none"> Professional dosimetry knowledge gained through BSc/HNC/BEng or equivalent; specialist knowledge through other courses and regular up-dating, significant experience in technical Radiotherapy Physics. Registered on RCT. 	<ul style="list-style-type: none"> BSc/MSc in Clinical Technology (Radiotherapy Physics) or equivalent.

EXPERIENCE AND KNOWLEDGE

ESSENTIAL	DESIRABLE
<ul style="list-style-type: none"> Proven post qualification experience as a Clinical Technologist in Radiotherapy Physics treatment planning or Extensive experience in a Radiotherapy environment. Understanding of computer hardware and software Good understanding of radiotherapy Working knowledge of treatment planning Working knowledge of Mould Room techniques 	<ul style="list-style-type: none"> Experience of Varian Radiotherapy Treatment Machines and treatment planning systems. Knowledge of complex treatment planning and mould-room practices.

SKILLS

ESSENTIAL	DESIRABLE
<ul style="list-style-type: none">• Ability to work within a multi-disciplinary team.• Excellent communication skills• Ability to work with patients.• Ability to train and mentor other staff including trainee physicists• Good/excellent numerical and analytical skills	

OTHER

ESSENTIAL	DESIRABLE
<ul style="list-style-type: none">• Ability to work in situations with exposure to bodily fluids.• Ability to travel between Trusts.• Able to travel out of region for academic course on day/ block release.	

GENERAL CONDITIONS

As they undertake their duties, all our people are required to uphold and demonstrate the Trust's core values of: Partnering, Ambitious, Caring and Trusted. Collaboration and partnership are also central to our approach in delivering our fundamental activities of patient care, teaching, and research.

HEALTH & SAFETY

As an employee of the Trust, you have a responsibility to:

- take reasonable care of your own Health and Safety and that of any other person who may be affected by your acts or omissions at work; and
- co-operate with the Trust in ensuring that statutory regulations, codes of practice, local policies and departmental health and safety rules are adhered to; and
- not intentionally or recklessly interfere with or misuse anything provided in the interests of health and safety

INFECTION PREVENTION AND CONTROL (IPC)

The prevention and management of acquired infection is a key priority for the Trust. As an employee of the Trust, you have a responsibility to:

- ensure that your work methods are compliant with the Trust's agreed policies and procedures and do not endanger other people or yourself; and
- be aware of infection prevention and control policies, practices, and guidelines appropriate for your duties and you must follow these at all times to maintain a safe environment for patients, visitors and colleagues; and
- maintain an up-to-date knowledge of infection prevention and control, policies, practices, and procedures through attendance at annual mandatory updates and ongoing continuing professional development; and
- challenge poor infection prevention and control practices of others and to report any breaches, using appropriate Trust mechanisms (e.g. incident reporting policy)

INFORMATION GOVERNANCE

The Trust is committed to compliance with Information Governance standards to ensure that all information is handled legally, securely, efficiently, and effectively. You are required to comply with the Trust's Information Governance policies and standards.

- Confidentiality and Security - Your attention is drawn to the confidential nature of information collected within the NHS. Whilst you are employed by the Trust you will come into contact with confidential information and data relating to the work of the Trust, its patients or employees. You are bound by your conditions of service to respect the confidentiality of any information you may come into contact with which identifies patients, employees or other Trust personnel, or business information of the Trust. You also have a duty to ensure that all confidential information is held securely at all times, both on and off site.
- Disclosure of Information - To ensure that information is only shared with the appropriate people in appropriate circumstances, care must be taken to check the recipient has a legal basis for access to the information before releasing it. Upon leaving the Trust's employment and at any time thereafter you must not take advantage of or disclose confidential information that you learnt in the course of your employment, to protect yourself and the Trust from any possible legal action.
- Information Quality and Records Management - You must ensure that all information handled by you is accurate and kept up-to-date and you must comply with the Trust's recording, monitoring, validation and improvement schemes and processes.

PROFESSIONAL STANDARDS AND PERFORMANCE REVIEW

As an employee of the Trust, you have a responsibility to:

- participate in continuous personal development including, statutory and mandatory training as appropriate for the post; and
- maintain consistently high personal and professional standards and act in accordance with the relevant professional code of conduct; and
- take responsibility for the maintenance and improvement of personal and professional competence and to encourage that of colleagues and subordinates

SAFEGUARDING CHILDREN AND VULNERABLE ADULTS

We all have a personal and a professional responsibility within the Trust to identify and report abuse.

As an employee of the Trust, you have a responsibility to ensure that:

- you are familiar with and adhere to the Trusts Safeguarding Children procedures and guidelines
- you attend safeguarding awareness training and undertake any additional training in relation to safeguarding relevant to your role

SOCIAL RESPONSIBILITY

The Trust is committed to behaving responsibly in the way we manage transport, procurement, our facilities, employment, skills, and our engagement with the local community so that we can make a positive contribution to society. As an employee of the Trust, you have a responsibility to take measures to support our contribution and to reduce the environmental impact of our activities relating to energy and water usage, transport and waste.

CONTINUOUS IMPROVEMENT

The Shrewsbury and Telford Hospital NHS Trust is committed to creating a culture that puts Continuous Improvement at the forefront of our transformational journey and our aim is to empower colleagues at all levels have the confidence, capability, passion, and knowledge, to test changes and make improvements at SaTH and in the communities we serve.

Following a successful five-year partnership with the Virginia Mason Institute in the USA, SaTH continues to further develop and embed the Trust's approach to Continuous Improvement at all levels of the organisation. You will be supported by an Improvement Hub, which will provide the necessary expertise to support you make improvements, while also providing training at various stages of your time at SaTH, as part of your continuing professional development.

EQUAL OPPORTUNITIES AND DIVERSITY

The Shrewsbury and Telford Hospital NHS Trust is striving towards being an equal opportunities employer. No job applicant or colleague will be discriminated against on the grounds of race, colour, nationality, ethnic or national origin, religion or belief, age, sex, marital status or on the grounds of disability or sexual preference.

Selection for training and development and promotion will be on the basis of an individual's ability to meet the requirements of the job.

The Shrewsbury and Telford Hospital NHS Trust the post-holder will have personal responsibility to ensure they do not discriminate, harass, bully, or contribute to the discrimination, harassment or bullying of a colleague or colleagues, or condone discrimination, harassment or bullying by others.

The post-holder is also required to co-operate with measures introduced to ensure equality of opportunity.

NO SMOKING POLICY

There is a no smoking policy in operation within the Trust. Smoking within the Trust's premises or within the Trust's grounds is not permitted.

MISCELLANEOUS

This job description is an outline of the key tasks and responsibilities of the post and is not intended to be an exhaustive list. The job may change over time to reflect the changing needs of the Trust and its services as well as the personal development.





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[Getting to The Royal Shrewsbury Hospital](#)

The Princess Royal Hospital

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Apley Castle

Telford

TF1 6TF

[Getting to The Princess Royal Hospital](#)