#### Form JE 5:  Sc06-2598CP(a)



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| 1. JOB IDENTIFICATION | |
| Job Title: Specialist Clinical Physiologist  Responsible to : Clinical Physiology Service Manager  Department(s): Respiratory Physiology  Directorate: Medicine  Operating Division: Respiratory Medicine  Job Reference: SCO6-2598CP(a)  No of Job Holders: 2 | |
| 2. JOB PURPOSE | |
| The post holder is responsible to the Clinical Physiologist Service Manager for the performance of a wide range of complex and highly specialised diagnostic investigations involving greater responsibility and autonomy. This includes analysis and reporting of results and clinical interpretation. The post will involve supervision and training of junior staff. The post holder monitors the service of a small section within the department. | |
| **3. DIMENSIONS** | |
| The post holder will be part of a multi-disciplinary team, working across Respiratory Physiology, Sleep medicine and paediatrics. The department includes Service Manager, Specialist Physiologists, Clinical Physiologists and Assistant Physiologists. The job role will be covering pulmonary function testing, HSAT analysis and treatment. | |
| 4. ORGANISATIONAL POSITION | |
| Assistant Physiologist (x6)  Clinical Physiologist (x2)  Specialist Clinical Physiologist (x3) (**This post)**  Respiratory Physiology Service Lead,  Laboratory Manager | |
| 5. ROLE OF DEPARTMENT | |
| The Respiratory Physiology Department provides diagnostic tests for a wide range of respiratory diseases. Also, it provides diagnostic testing for sleep apnoea and carries out CPAP clinics. Alongside these roles, the department also provides interpretation of results to aid referring clinicians in making a diagnosis. | |
| 6. KEY RESULT AREAS | |
| To support NHS Tayside values of quality, teamwork, care and compassion, dignity and respect, and openness, honesty and responsibility through the application of appropriate behaviors and attitudes.  Review real time data during specialised investigations to ensure patient safety and accuracy of test results. (Full polysomnography & cardiopulmonary exercise testing).  Perform lung function investigation & produce a report on dynamic lung volumes.  Perform lung function investigation and produce report on static lung volumes and Diffusion factor.  Administer bronchodilator where required in accordance with departmental protocol & clinical guidelines.  Repeat lung function investigation post bronchodilator analyse & interpret data.  Analyse report from patient pressure monitoring system (Titrator) & issue CPAP ventilator at the suggested pressure.  Assess fitness of patient to perform investigation prior to & during testing manoeuvres.  Assist in management of data including statistics on patient and test throughput, stock control to monitor consumption / laboratory running costs and maintaining databases for patient tests, home CPAP / ventilation services etc.  Responsible for providing an accurate report, on lung function investigations, to the Consultant Physician.  Responsible for the upkeep of one or more sections of the Departmental Health & Safety Control Book as designated by line manager.  Regular meetings with Lead Physiologist with purpose of review of service standards, laboratory protocols and procedures.  Implement changes to allocated service in liaison with Lead Physiologist. | |
| 7a. EQUIPMENT AND MACHINERY | |
| The post holder is expected to have the knowledge, skills and practical experience of all Electro medical equipment in use within the department, including fault finding and liaison with Medical Physics / external engineers / manufactures as appropriate. Highly specialised: Domino System –Somnoscreen (specialized sleep diagnostic software)  ResMed (CPAP Treatment)  Sentry Suite (PFT diagnostic equipment).  CPET  Resuscitation equipment  Preparation, balancing and calibration of laboratory equipment.  **Specialised:**  Pulmonary Function Tests  Hypoxic Challenge Testing  Handling of sterile equipment during sterile procedures in Respiratory laboratory.  Manual Blood Pressure monitoring equipment.  Oxygen cylinders.  Operation of electronic couches. | |
| **7b. SYSTEMS** | |
| Computerised equipment with various databases and / or measurement packages.  Local databases for annual audits and monthly statistics.  Intranet / email access daily.  Familiar with Microsoft applications, Access, Excel, Power Point, Word and Outlook.  Sentrysuite diagnostic workstation | |
| 8. ASSIGNMENT AND REVIEW OF WORK | |
| Requests to the department come from a variety of referring clinicians, including primary and secondary care. Tests are performed and analysed within the department and returned to the referrer with interpretation. The post-holder will also supervise junior members of the service and also support their progression through formal qualifications.  The post-holder will attend weekly meetings with the Service Lead to review performance, service operations and professional development.  **Responsibility for Records Management**  All records created in the course of the business of NHS Tayside are corporate records and are public records under the terms of the Public Records (Scotland) Act 2011. This includes email messages and other electronic records. It is your responsibility to ensure that you keep appropriate records of your work in NHS Tayside and manage those records in keeping with the NHS Tayside Records Management Policy and with any guidance produced by NHS Tayside specific to your employment. | |
| **9. DECISIONS AND JUDGEMENTS** | |
| Autonomous practitioner routinely making decisions regarding interpretation of data during investigations. Incorrect interpretation may have serious implications for patient management.  Assist in daily supervision of staff workload to ensure smooth and efficient services are provided within resources.  Act on any acute, new or conflicting findings from results of any procedures using own clinical judgement to ensure patient safety on discharge.  Advise, Respiratory and Clinical staff on interpretation of results giving clinical opinions and advice on actions to be taken for best clinical practice for appropriate patient care.  Assist in developing present and future departmental needs, assisting with implementing new services on demand.  Accountable for own professional actions in supervising junior staff and clinical reports.  Accountable for junior staff members whilst working within professional codes of practice, organisational policies and procedures.  Performance and objectives are reviewed by the Clinical Physiologist Service Manager annually at appraisal. | |
| 10. MOST CHALLENGING/DIFFICULT PARTS OF THE JOB | |
| Working with elderly / confused / disabled patients.  Performing investigations on patients who are in acute respiratory distress.  Performing investigations with empathy, on patients who may have just been informed of terminal / life threatening illness. | |
| **11. COMMUNICATIONS AND RELATIONSHIPS** | |
| The post holder must have highly developed communication skills in order to provide complex clinical information to all members of staff from multidisciplinary teams across NHS Tayside.  Frequently demonstrate an equitable approach to managing sensitive and highly emotional situations to patients, relatives and staff, providing reassurance, support and guidance, for example, informing patients of device failure due to manufacturing processes which may require the patient to have more frequent device review or explantation of the device.  Communicate with patients who may be unwell, uncooperative, hostile or have barriers to understanding.  Daily communication by phone, e-mail, written, verbal and in person with all levels of staff throughout the organisation.  The post holder must ensure that all communication is treated with confidentiality and in line with data protection. | |
| **12. PHYSICAL, MENTAL, EMOTIONAL AND ENVIRONMENTAL DEMANDS OF THE JOB** | |
| Physical:  Constant manipulation requiring manual dexterity in use of diagnostic equipment  Manual dexterity in the application of electrodes during investigations.  Daily prolonged periods of high concentration of up to 40 minutes duration per investigation with short breaks between patients, may be for entire shift; keyboard skills and accuracy during procedures.  Mental:  This post requires constant intense concentration in the interpretation of complex data and hand eye co-ordination in the manipulation of probes and is subject to ongoing disruption throughout day.  Limited time in which to make decisions regarding appropriate patient care, for example, programming of complex device therapy options.  Coping with daily demands on services.  Ability to multitask, for example, answering questions with regard to treadmills whilst performing diagnostic testing.  Emotional:  Daily emotional and mental stress due to service demands, dealing compassionately and professionally with anxious and seriously ill patients and their relatives.  Emotional stress when communicating adverse results to patients.  Cardiopulmonary Resuscitation and defibrillation when required.  Environmental:  Daily unavoidable close physical contact with patients / body fluids / body odours / airborne infections.  Daily exposure to infected and infectious materials and patients and occasional blocks of contact with other viruses / diseases. | |
| 13. KNOWLEDGE, TRAINING AND EXPERIENCE REQUIRED TO DO THE JOB | |
| Clinical Physiology Degree or equivalent.  Association for Technology and Respiratory (ARTP) Registered.  State registered with Registration Council of Clinical Physiologists.  The Academy for Healthcare Science (ACHC) registered, or willingness to join.  Immediate Life Support / Advanced Life Support Certificate from the Resuscitation Council (UK).  Previous In-service training, gaining a complete knowledge of respiratory procedures  Continuing professional development in all specialist fields.  Knowledge of medication effects on test results.  Specialist knowledge in the following:  PFT diagnostic testing with independent reporting  HSAT and CPAP  Sleep Apnoea and Respiratory Pathophysiology. | |
| **14. JOB DESCRIPTION AGREEMENT** | |
| A separate job description will need to be signed off by each job holder to whom the job description applies.  Job Holder’s Signature:  Head of Department Signature:  **(I confirm that the Job Description accurately reflects the duties and**  **responsibilities of the postholder and does not impact upon any other**  **postholders role)** | Date:  Date: |