



# Healthy kids, healthy communities

Compassion

Excellence

Collaboration

Accountability

Equity

Respect

## Cardiac Scientific Officer

### Position details

Position Number:	00012476
Classification:	HSO Level P1
Agreement:	Health Salaried Officers Agreement
Directorate:	Operations - Service Unit 4 - Medical
Department:	Cardiology
Location:	Perth Children's Hospital, QEII Campus, Nedlands

### Reporting relationships

This position reports to:

00011897	Head of Department Cardiology	Year 1-9
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Positions under direct supervision:

### Key Responsibility

Provide specialist, clinical, technical and associated cardiac scientist services to the department of cardiology and cardiothoracic surgery for the performance of diagnostic and interventional procedures. Responsible for the documentation, interpretation and recording of physiological and cardiovascular measurements and implantable devices.

## About our health service

The Child and Adolescent Health Service (CAHS) is a comprehensive service that supports and treats children from around Western Australia, and is committed to programs that promote lifelong health in children and adolescents.

### CAHS is made up of four service streams:

- **Neonatology:** Neonatology provides state-wide tertiary neonatal services to the sickest newborn babies and infants in Western Australia.
- **Community Health:** a comprehensive range of community based early identification and intervention services, as well as health promotion, to children and families in the Perth metropolitan area. Services are provided in a variety of settings including at home, local community health centres, child and parent centres and schools.
- **Child and Adolescent Mental Health Services (CAMHS):** provide mental health services to infants, children, young people and their families across the Perth metropolitan area. Services include community based programs, inpatient care at Perth Children's Hospital and specialised services for children with complex mental health conditions across the State.
- **Perth Children's Hospital (PCH):** is the specialist State-wide paediatric hospital and trauma centre for Western Australia, caring for children up to the age of 16. PCH is also a centre of excellence for teaching and research, partnering in major paediatric research and education initiatives led by the Telethon Kids Institute (TKI) and the State's universities.

## Our vision

### Healthy kids, healthy communities

Our vision of 'healthy kids, healthy communities' sees that children and young people get the best start in life through health promotion, early identification and intervention and patient centred, family-focused care.

## Our objectives



Care for children, young people and families



Provide high-value healthcare



Collaborate with our key support partners



Value and respect our people



Promote teaching, training and research

## Our values drive us

CAHS promotes a values based workplace culture and all employees are expected to translate our values into action by providing high quality care through:

### Compassion

I treat others with empathy and kindness

### Excellence

I take pride in what I do, strive to learn and ensure exceptional service every time

### Collaboration

I work together with others to learn and continuously improve our service

### Accountability

I take responsibility for my actions and do what I say I will

### Equity

I am inclusive, respect diversity and aim to overcome disadvantage

### Respect

I value others and treat others as I wish to be treated

## Summary of accountabilities

- Performs on request, 12-Lead electrocardiogram (ECG) in the Children's Cardiac Centre Outpatient Department as well as providing a portable service when required.
- Monitors real-time intracardiac pressures and ECG tracings during invasive cardiovascular procedures for any adverse changes. Measures invasive and non-invasive pressures, cardiac outputs and blood oxygen saturations, performs calculations on these physiologic parameters and reports results to the operating Physician.
- Responsible for manual defibrillation of arrhythmias during procedures in Cardiac Cath Lab.
- Performs check of defibrillator and Pacing Box prior to each case.
- Responsible for the operation and calibration of other diagnostic tools during invasive procedures such as cardiac catheterisation and open heart surgery.
- Calibrate equipment and perform ACTs and blood gas analysis through open heart surgical procedures.
- Assemble and calibrate transducer equipment, connect patient to intracardiac pressure lines and record pressures as required in the cardiac catheter and open heart surgical procedures.
- Enter data regarding surgical events throughout open heart surgical procedures and assist the Clinical Perfusionist in cleaning and dismantling the pump.
- Monitors and analyses ECG and pressures during the cardiac catheter procedures and communicate changes to the Cardiologist.
- Measure oxygen saturations and blood gases for the Anaesthetist throughout cardiac catheter procedures and also edit and create a congenital picture and preliminary report from cardiac catheterisation procedures.
- Responsible for the efficient operation of ambulatory monitoring services including 24 and 48-hour Holter and Event monitors. Downloads tracings and produces a provisional diagnostic report and informs Physician of any relevant findings.
- Provides for cardiovascular exercise testing and six-minute walk test. Operates the equipment necessary for safely carrying out such testing on cardiac patients and assists the Physician with interpretation of real time ECG and non-invasive blood pressure recordings.
- Is responsible for the calibration and setup of non-invasive & invasive blood pressure and continuous ECG recordings. Documents and interprets all relevant data during the procedure and reports these to the Physician. Assists with the recovery of patients when a positive result is achieved.
- Performs calibration, provides quality control and assists with preventative maintenance of all diagnostic cardiac equipment.
- Undertakes and assists in research projects as required and operates computer databases.
- Participates in a 24-Hour on call roster when deemed appropriate.
- Participate in staff appraisal and quality assurance. Attends regular in-service educational courses.
- Ensures stock is sufficient in procedure areas and restocks
- During implantation of pacemakers, measure electrical parameters of leads and perform programming of devices. Monitor patient's ECG during procedures.
- Responsible for the provision and follow up testing of hospital wide and outpatient pacemakers. Assess devices in clinic and reprogram as required.

### CAHS governance, integrity, safety and quality requirements

- Commits to undertake the duties of the role in accordance with the WA Health Code of Conduct, the CAHS Vision and CAHS Values of Compassion, Collaboration, Accountability, Respect, Excellence and Equity.
- Maintains a safe work environment by taking reasonable care for own health and safety and that of others.
- Undertakes duties to an agreed performance standard to support safe, high-quality health care with a focus on continual improvement, efficiency, effectiveness and sustainability.
- Directly or indirectly supports the delivery of safe patient care and the consumers' experience ensuring services are family centred.
- Contributes to continuous quality improvement activities by identifying, facilitating or participating in practices in accordance with the requirements of the National Safety and Quality Health Service (NSQHS) Standards, health service strategic direction and the WA Public Sector.
- Completes mandatory and core requirement training as relevant to the role and service.
- Performs duties in accordance with WA Public Sector, WA Health, CAHS and other specific service policies and procedures and applicable legislative obligations under *Public Sector Management Act (WA) 1994*, *Health Services Act (WA) 2016*, *Occupational Safety and Health Act (WA) 1984*, *Disability Services Act (WA) 1993* and the *Equal Opportunity Act (WA) 1984*.
- Actively contributes to the development of the health service by undertaking other duties as directed including additional tasks or projects in line with continual improvement, collaboration and sustainable health initiatives.

## Work related requirements

The following criteria should be considered in the context of the CAHS Vision, Objectives and Values.

### Essential selection criteria

1. Bachelor of Science or Applied Science majoring in Anatomical Science, Biomedical Science, Exercise Physiology or Human Biology or tertiary qualifications in Medical Imaging Technology or Nursing and eligible for registration with the relevant Board.
2. Demonstrate effective verbal and written communication and interpersonal skills.
3. Sound knowledge of cardiac anatomy and interpretation of ECG.
4. Ability to work unsupervised and as a part of a team and interact with patients in a caring and professional manner.
5. Effective organisational, planning and time management skills.

### Desirable selection criteria

1. Demonstrated experience as a Cardiac Scientific Officer.
2. Possession of or progress towards a post-graduate qualification in cardiac technology.
3. Competency in Basic or Advanced Life Support and manual defibrillation.
4. Ability to operate computer-based technology and perform analyses with computer programmes.
5. Past involvement in, and understanding of, research and clinical trial procedures.
6. Current knowledge and commitment to Equal Opportunity in all aspects of employment and service delivery.

### Appointment to this position is subject to the following:

- Evidence of holding an applicable tertiary qualification or equivalent as per selection criteria or registration by the relevant Board must be provided prior to commencement.
- Working with Children (WWC) Check, compulsory check for people who carry out child-related work in Western Australia.
- Provision of the minimum identity proofing requirements in line with the standards set by the National Security Strategy.
- Successful criminal record screening clearance.
- Successful pre-employment integrity check.
- Successful pre-employment health assessment.

## Certification

Created on	Last Reviewed	HSS Registered
<b>Insert date</b>	<b>7/05/2020</b>	<b>14/05/2020</b>

I verify that the details in this document are an accurate reflection of the requirements of the position.

\_\_\_\_\_  
Manager / Supervisor

\_\_\_\_\_  
Signature or HE Number

\_\_\_\_\_  
Date

As an Occupant of this position, I have noted the statement of duties, responsibilities and other requirements as detailed in this document.

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**Occupant Name**

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**Signature or HE Number**

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**Date**