



INSTITUT JANTUNG NEGARA  
National Heart Institute

**We are looking for suitable and qualified candidate for the following position:**

## **PERFUSIONIST TRAINEE IN SERVICES ANAESTHESIA & INTENSIVE CARE DEPARTMENT**

Perfusionist is an allied health professional who specifically manage perfusion (cardiopulmonary bypass) during surgery, assist with perfusion support services (eg. IABP, ECMO, VAD etc.), assist with thoracic organ procurement and thoracic transplant related services, provide respiratory laboratory related services and provision of continuous education and training.

### **Responsibilities**

1. Provide Perfusion related services.
  - 1.1 Perfusion set up and operates heart- lung machines, which take over the functions of a patient's hearts and lung during hearts surgery.
  - 1.2 Perfusionist operate the machine to regulate blood circulation and composition, control body temperature and administer any necessary drugs according the patients need.
  - 1.3 They are also involved in other cardiopulmonary support such as IABP, ECMO and VAD.
2. Provide Respiratory services.
  - 2.1 Inspect, clean test and maintain respiratory therapy equipment mechanical ventilators, BIPAP, therapeutic gas administration apparatus such as nitric oxide according the patients need.
  - 2.2 Ordering repairs when necessary
  - 2.3 Make an emergency visits to resolve equipment problems.
3. Involve in transplants and transplant related services.
  - 3.1 Member of the procurement team during Heart or Lung Transplant that requires to assist anaesthetist during harvesting procedure, provide organ preservation solution and monitoring needs.
  - 3.2 They also involve to assist surgeon during homograft procedure starting from harvesting, trimming and storing.
  - 3.3 Besides that direct involve in transplant cardiopulmonary support such as ECMO and VAD.
4. Lab related services
  - 4.1 Analyze patient blood test such as arterial blood gas (ABG) and activated clotting time (ACT)
5. Education and training services.
  - 5.1 Lecture, teach train and supervise perfusionist trainee and college student.
  - 5.2 Utilize the assistance of students during procedure of open hearts surgery & cardiopulmonary support.

## Requirements

- Diploma in Medical Assistant/Diploma in Nursing/Bachelor in Biomedical Science.
- Candidates with experience and knowledge of Cardiology Research/Operating Theatre Procedures/Intensive Care Unit or related equipment will be given priority.
- Selected candidate will be required to undergo minimum 1 year of training at IJN College and also on-the-job training at Anaesthesia & Intensive Care Department.
- Good command of English and Bahasa Malaysia, spoken & written.

## Closing Date

27<sup>th</sup> September 2022

## Talent Acquisition Unit

### Human Capital & Organizational Development

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**Note: All unsuccessful applications shall not be retained in our database.  
Only SHORTLISTED candidates will be contacted.**