

Perfusion Technology

Objectives: Perfusion Technology student should

- a) Select CPB circuit and cannulas
- b) Efficiently assist in ongoing bypass, assembling, managing and dismantling of CPB circuit
- c) Perform Priming & de-airing of the circuit and setting up of heater cooler unit
- d) Understand Patient Charting and confirmation of pre bypass check list, IABP arrangement and setup
- e) Prepare various types of cardioplegia.
- f) Have knowledge about Hospital Infection Control measures

Outcome: After completing three years of Perfusion Technology course, the graduate should be able to

- a) Work as efficient and skilled Perfusion technologist under the Cardiothoracic and vascular surgery department
- b) Assist in various aspects of pre and post Cardiac care
- c) Work and contribute in NABH accreditation program

Training Provided

Hands on training and exposure to:

- Patient charting & preparing patient for surgery
- Selection of Cardio Pulmonary Bypass Circuit according to Patient
- Assembling of Cardio Pulmonary Bypass Circuit
- Priming & de-wiring of Cardio Pulmonary Bypass Circuit
- Packing & ETO sterilization of Perfusion items
- Scrubbing& gloving technique
- Settling up of IABP machine
- Scrubbing& gloving technique
- Assisting in Urinary catheterization
- Assisting in Harvesting vein
- Assisting in leg wound dressing
- Assisting in sterna wound dressing
- Attending OPD & Ward rounds along with consultants

Internship training

Perfusion Technology students should be able to perform the following:

1. Patient Charting and confirmation of pre bypass check list
2. Selection of CPB circuit, cannulas
3. Assisting in on going bypass, assembling, managing and dismantling of CPB circuit
4. Priming & de-airing of the circuit and setting up of heater cooler unit
5. IABP arrangement and setup
6. Preparation of various types of Cardioplegia
7. Connection of HCU to HLM and occlusion setting of various pumps

