

**HAFEEZ INSTITUTE OF MEDICAL SCIENCES
PESHAWAR**

رَبِّی زِدْنِی عِلْمًا

DIPLOMA PROGRAM, 2ND, 3RD & 4TH SEMESTER

CURRICULUM

Anesthesia Technology

PESHAWAR

Address: University Town Arbab Road Near Bank Alfalah Street, Peshawar,

Hafeez Institute of Medical Sciences Peshawar



2nd SEMESTER ANSTHESIA

(THEORY)

RESPIRATORY SYSEM

- Nose
- Larynx
- Pharynx
- Lungs
- Tidal Volume
- Minute ventilation

CADION VASCULA SYSTEM

- Heat
- Heart value
- Cardiac cycle
- Circulation
- Heart rate
- B.P Monitoring (Plapatory – Auscullatory Method)

NERVOUS SYSTEM

- Brain----- important centers
- Vertebral Column
- CSP.



PHARMACOLGY

1 Analgesis

- Opistes
- Morphine
- Pethedine
- Fentanyl
- Pentazocine
- Buprenorphine

2 Local Anesthesia

02 hours

- Xylocaine

side effect prevention,
Treatment, percentage
Calculation dose

- Bupivacaine

3 General Anesthesia

14 Hours

- Intravenous

Thiopenthen
Retmaind
Propoful

- Inhalation
- Fluthanc
- Enflurance
- Iso fluorine
- Notrosu oxise

4 Muscle Relaxation /Reversal Agent

8 Hours

- Depolarising
- Non Depolarising
- Neostiginine
- Pyridostiomine
- Atropine

5 Pre-Medication

- Diazepam
- Flurazepein
- Atropine

6 Intropes

- Depamine
- Dubatamine
- Adrenalin

7 Equipments

- Anaesthesian Medicine
- Ventilator
- Suction Apparatus
- Medicine set up and checking procedure
- Drug solution make up
- Labeling of Syringes
- Care and Cleaning of Apparatus
- Magill
- Bain
- Pediatric
- Closed circuit

4th SEMESTER

TOTAL TIME 52 HOURS

(Theory)

CLINICAL SITUATION

Treatment if shock	02 Hours
Full stomach	02 Hours
Difficult air way	08 Hours
Blood transfusion	08 Hours
Anaesthesia and Conexixting desease	08 Hours
Hypoxine	26 Hours
C.P.R	04 Hours

DITIES AND RULE OF PSOTGRADUATE _____

- 1 Care and maintenance of equipment
- 2 Set up machine and instruments
- 3 Mix drug and label
- 4 Keep record of____any comp_____
- 5 Administer General Anaesthesia under supervision of

