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**Diploma in Pharmacy 2<sup>nd</sup> Year**  
**Hospital & Clinical Pharmacy**  
**Chapter 2 : Different Committees in the Hospital**

Topics	Page No
<b>Pharmacy and Therapeutics Committee -</b> Objectives, Composition, and functions	3
<b>Hospital Formulary -</b> Definition, procedure for development and use of hospital formulary	4
<b>Infection Control Committee -</b> Role of Pharmacist in preventing Antimicrobial Resistance	6



## PHARMACY AND THERAPEUTICS COMMITTEE

- The Pharmacy and Therapeutics Committee (PTC) comprises of a group of Individuals (physicians, pharmacists, and other health personnel including the medical staff)
- They make policies regarding the drug used in hospital.

### Objectives of PTC

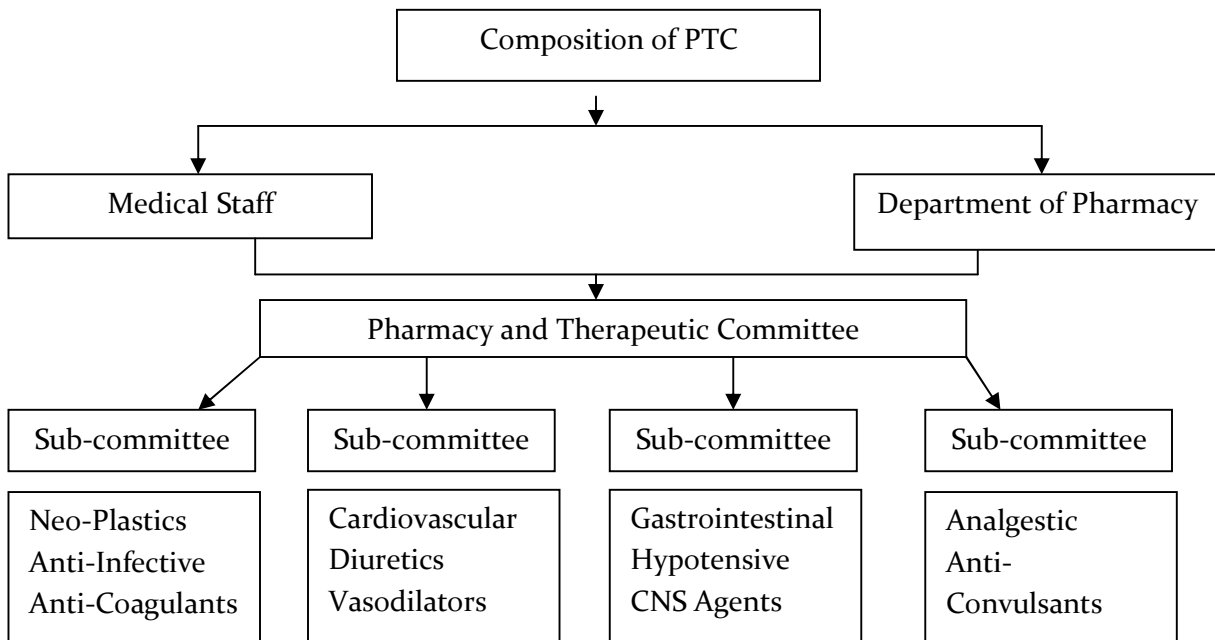
#### 1. Advisory Objectives

- To make policies regarding drugs to evaluate and select the best drugs for therapeutic usage in hospital.
- To provide guidance to Pharmacists about drug distribution in an efficient way ( without mistake and wasting time and energy )
- To aware the hospital administration and medical staff about the problems are related drug usage , especially experimental drugs.

#### 2. Educational Objectives

- To examine adverse effects of the drugs and offer new formulary system.
- To provide up-to dated information about drugs and their usage to satisfy the demand of policy maker professionals.
- To plan training program for staff regarding the drug usage.

### Composition of PTC



## Functions of PTC

- ❖ It acts as an advisory council to the medical staff and hospital administration regarding the therapeutic use of drugs.
- ❖ It develops a formulary of drugs and prescriptions to be used in hospitals.
- ❖ It suggests written policies and procedures regarding the selection, procurement, storage, distribution, and therapeutic use of drugs.
- ❖ It establishes suitable educational schemes for the hospital staff regarding the therapeutic use of drugs.
- ❖ It studies the problems related to drug distribution and administration.
- ❖ It advises the pharmacy to implement effective drug distribution and control procedures.

## Role of Pharmacist in PTC

- ▲ Pharmacists are important to make the formulary, because they can ensure safe, effective, and affordable drug use.
- ▲ They examine scientific, clinical, and economical data.
- ▲ They convey the staff to obey the decision taken.
- ▲ They create a schedule for committee meeting.

## HOSPITAL FORMULARY

→ The Formulary System is a method by which Physicians & Pharmacists Working through a Pharmacy & Therapeutics Committee of medical staff, evaluate and select medications for use in a hospital.

Or

→ The Hospital Formulary is a list of evaluated and selected drugs with their important information to use or distribute in a hospital.

## Procedure for development of Hospital Formulary

- ⇒ To make a hospital formulary the first step is to form a good PTC. The PTC develop a formulary in written form.
- ⇒ This committee take decision on
  1. The type of publication of formulary ( Hospital's won formulary or purchased formulary services ).
  2. Fixation of rules which the PTC required during evaluating and selecting the drug for formulary.
  3. Addition of other content like,
    - Prescription writing
    - Uses of drug

- Table of metric weight ( 1g = 1000 mg )
  - table of common laboratory values ( BP 120/80 )
  - Calculation of dosage ( for children )
4. Type of format of formulary ( size , loose leaf , bounded )

## Addition and Deletion of Drugs from Hospital Formulary

- It is a important step in maintenance of Hospital formulary . Criteria For addition and deletion are :
  - The medical staff should approved the drug to be added in formulary.
  - The drug should be reccognised by the Pharmacopoeias.
  - The drug manufacturer should hold a license , and he should not have been punished for any serious offence under any law of Drug and medicine.
  - There should not be used secret ingredient in drug which is not labeled.
  - The drug containing multiple ingredients should not be added in formulary , if the same therapeutic effect can be obtained by a single ingredient drug.

## Guiding Principle for use of Hospital Formulary

- The Following Principle act as a guide for those who utilize the hospital formulary
  - The hospital's medical staff should appoint PTC and outline its scope, purpose, organisation, and function
  - The medical staff should sponsor the formulary system based on the recommendations of PTC.
  - The medical staff should adopt the written policies and procedures of the formulary system.
  - Pharmacist should be responsible for specifications as to the quality, quantity, and source of supply of drugs used for diagnosis and treatment.

## Role of Pharmacist in Hospital Formulary

- ◇ The PTC pharmacist has an important role in creating the rules and regulations governing the hospital formulary.
- ◇ The chief pharmacist is primarily in-charge of creating the hospital formulary.
- ◇ He/she should make sure that economic aspects do not affect the drug quality.
- ◇ He/she will evaluate several drugs in accordance with PTC recommendations.

# INFECTION CONTROL COMMITTEE (ICC)

- It is a committee to prevent and control healthcare related infections by making infection control policies and monitoring practices to reduce these risks.
- Nosocomial In fection = Patient get infection inside the hospital

## Objectives of ICC

- ▲ To understand the methods of infection control.
- ▲ To understand the reason of nosocomial infection.
- ▲ To reduce the danger of infection for patients , medical personnel , and gests.
- ▲ To conduct antimicrobial program and instruct the medical staff , patients , and gests.

## Antimicrobial Resistance

- Anti-Microbial Resistance is a ability of microorganisms to protect them from the effect of antimicrobial drugs.
- This resistance ability they develop themselves or developed naturally . overuse of antibiotics is the main reason of AMR .( Anti-Microbial Resistance ) .

## Role of Pharmacist in preventing AMR .

- ✚ He / she should distribute medicine in safe and appropriate manner.
- ✚ He / she raises awareness on the risk of inappropriate drug use.
- ✚ He control the infection by decreasing the infection transmission.
- ✚ He guide hospitals on the selection and use of suitable antibiotics , disinfectants , and sterilants.

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