

INTRODUCTION Of PHARMACOTHERAPEUTICS



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Introduction

Pharmacotherapeutics is the branch of Pharmacology.

It may be defined as “Therapeutics uses and effect of drugs”.

Therapeutics may be defined as “Use of drugs for curing diseases”

Scope of Pharmacotherapeutics

Pharmacotherapeutics provide knowledge and skills necessary for quality use of medicine.

Chapters in Pharmacotherapeutics covers Pathophysiology and Therapeutics of various disease.

This will enable us to understand the pathophysiology of the diseases and their management.

Objective of Pharmacotherapeutics

1. Pathophysiology of disease and rational drug therapy
2. Therapeutic approach to management of disease.
3. SOAP (Subjective, Objective, Assessment and Plan) of common disease condition.
4. Participate in planning the rational medicine therapy for common diseases
5. Patients counselling technique.

Rational use of Medicine

- Irrational use of medicines is a major problems in the world.
- According to WHO estimate that more than half of the all medicine are prescribed,dispensed or sold inappropriately and half of all the patients fail to take them correctly.
- Rational use of Medicine requires that 'patients receive medications appropriate to their own clinical needs.
- Example of irrational use of medicines include uses of to many medicines per patients,inappropriate use of antibiotics,over use of injection when oral formulations would be more appropriate.

Evidence Based Medicine

- Evidence Based Medicine EBM may be defined as
- A systemic approach to medicine in which doctors and other healthcare professional use the best available scientific evidence from clinical research to make decision about the care of patients.
- The use of evidence based medicine may help to plan the best treatment and improve quality of care and patients outcomes.
- The three important element of EBM are Clinical judgement, Relevant scientific evidence and Patients values and preferenc.

Essential Medicine List

- Essential medicines are those medicines that satisfy the priority of healthcare needs of the majority population.
- The essential medicine list needs to be country specific.
- The medicines in the National List of Essential Medicines (NLEM) should be available at an affordable price with assured quality.
- The medicines used in the national health programme, emerging and re-emerging infections should be included in the list.
- The primary purpose of NLEM is to promote rational use of medicines considering the three important aspects, i.e. cost, safety and efficacy.
- It promotes prescription by generic names.
- The first National List of Essential Medicines of India was prepared and released in 1996.

Standard Treatment Guidelines STGs.

- According to WHO 'Standard Treatment Guidelines' is a systemically developed statement designed to assist practitioners and patients in making decisions about appropriate health care for specific clinical circumstances.
- It is also called Standard Treatment Protocols or Standard Treatment Policies.
- Essential Medicine List and Standard Treatment Guidelines are an important component of promoting rational use of Medicine.
- STG list the preferred pharmacological and non pharmacological treatment for common health problems.
- The most common disease and serious medical condition that have high morbidity and mortality rate are selected in STGs.