

## Unit -9

# Clinical Pharmacy

### Unit -9

## Clinical Pharmacy

\* Definition →

..clinical Pharmacy, Pharmacy and its branch staff & in Patient care

\* Scope →

① Patient counselling →

• clinical Pharmacist, patient counselling service and perform our stand by

② Training →

# Hospital Pharmacy || D Pharm 2nd Year

Unit-9

Clinical Pharmacy

\* Definition →

- Clinical Pharmacy, Pharmacy and its branch deals with patient care and related various aspects of their concerned and it.
- It only drug dispensing and their deals with patient, Patients and drug and rational use and their advise their it.

\* Scope →

① Patient counselling →

- clinical Pharmacist, patient counselling service and perform and their it.

② Training →

- clinical Pharmacist new pharmacist and trains and their it.

③ Rational Prescription →

- drug clinical Pharmacist -

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physician or drug selection or help order etc

- 4) Drug information.
- 5) Drug utilisation.
- 6) Patient care.
- 7) Patient monitoring.
- 8) Preparation of I.V admixture.
- 9) Preparation of Patient medication histories.  
etc.....

\* Development of clinical Pharmacy →

- clinical Pharmacy term or Pharmacy or history or according 1953 of usa 1947 or 1941

\* In India →

- Pharmacy education or drug and cosmetics act 1940 or implementation or 1919 started 1947 or 1941

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- 2) But of Pharmacist drugs of production, distribution and sale of और उत्पन्न हैं।
- 3) 1980s and 1990s में और many drugs में boom and misuse outcome दिखाई देना शुरू
- 4) Now सेना और realise हुए 1970s में Pharmacist अपने knowledge and skills में contribution patient care में हैं खण्ड है।
- 5) से 1991 में education, regulation revised हुआ।

6) And community Pharmacy, health education, Hospital Pharmacy etc. subjects में diploma in pharmacy में added दिखाई देना शुरू

7) first master in pharmacy program, Jss college of Pharmacy Mysore and Ooty में 1997 में start हुआ।

\* In other Countries →

- 1960 से 1970 में और

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many efforts will be or are  
of possible for pharmacist  
patient care if participate and  
start it  
etc.....

\* Technical Definitions And  
Common Terminologies Used  
in clinical Pharmacy And  
their Significance →

\* Paediatrics →

• of medicine or branch related to  
of children and diseases or  
that dealing with it

\* Geriatric →

• of medicine or branch related to  
of old age or diseases

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∴ an also dealing order of

\* Anti-Natal care →

- Pregnancy or after in care healthcare professionals or after with to start anti-natal care order of

- start pregnancy care in order of

\* Post-Natal care →

- New born baby and mother of delivery or 1 hours to 6 weeks later in

care in Post-natal care order of

\* Daily Activities of clinical

Pharmacists →

- Definition.
- local.
- Procedure.

following activities order of in

own clinical Pharmacist performance order stand of

① Ward Round Participation →

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## \* Definition →

ward sound, routine clinical sound  
എന്തും നേടുന്ന ആരോഗ്യപരിപാലന  
-onals (a doctor with or without nurse,  
Pharmacist) visit and & patients

ന്റെ ആരോഗ്യനിലയെ മെച്ചപ്പെടുത്തുന്നതിനും  
health condition ന്റെ progress നേടുന്നതിനും  
ന്റെ ഭാഗമായി

## \* Goals →

- 1) Patients health ന്റെ improve നേടുന്നു
- 2) drug orders and dose ന്റെ

investigate നേടുന്നു

3) Adverse drug reaction ന്റെ  
detects നേടുന്നു

4) Patients dis-charge planning  
ന്റേ participate നേടുന്നു

5) Drugs availability ന്റെ status-  
ad. appropriate information  
provide നേടുന്നു

etc. ....

## \* Procedure →

- 1) ഏതൊരു affective clinical  
decision ന്റെ ഭാഗമായി

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- Rational use of drugs.  
etc...
- \* Procedure →
  - Pharmacist not verify order till pharmacist medication order complete and unmistakable & not error
  - Right terminology not use order till pharmacist and medication names short.
  - Pharmacist not doctor or other consult order till pharmacist and specific patients related advises give pharmacist

### ③ Adverse drug Reaction

Monitoring →

\* Definition →

- Adverse drug reaction monitoring won't process till & ,
- Medical product or undesirable effects or continuously monitoring order of
- \* Goals →
- ADRs or frequency and

nature of detect or not

• Adverse drug reaction of control

or not

etc.....

\* Procedure →

1) Patient or air or information.

2) suspected drug or air or information.

3) drug regulatory authority or informing or not etc.....

#### ④ Drug Information And

Poisons Information →

\* Definition →

\* Drug Information →

• drug information knowledge

air or (About drug cur-

-ently being used in the

hospital)

\* Poison information →

• Poison information as- spacia-  
-lised area air or drug.

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Information on the chemicals and pesticides and their toxic effects and information and covers on it.

\* Goals →

- Pharmacy profession and advance and the community and Pharmacists and their interaction and improve on it.
- Patients and drugs and poisoning effects and prevent on it.

\* Effectiveness functions for it →

- \* Procedures →
  - Pharmacist and participation in patient care and medication compliance and medication errors and possibility and directly effect on it.
  - Pharmacist and information manufacturers and on it.
  - Physician Pharmacist and poison and drug information and on it and consult on it and on it.

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⑤ Medication History →

\* Definition →

- Medication history most detailed, accurate and complete recorded data of all prescribed and non-prescribed medication on/

\* Goals →

- 1) Drug interactions of examining if help on/off
- 2) Pharmaceutical help on need of

for determining if help on/off

- 3) Adverse drug reactions if help on/off (Allergic reaction) etc.....

\* Procedure →

- Used Pharmacist on/off patient if introd-use on/off will be
- And consultation on intention explain on/off will be
- Pharmacist on/off disease

treatment and all information and record and history

• Patients and medication taking behaviour and pharmacist history

• Pharmacist and detailed format of record and history etc.....

• If most process either in pharmacist, patients and orally/written form

of information that is (Proper use of medications)

\* Goals →

1) Medication compliance and improve and

2) Drug treatment and more effective and

3) Patients life and improve and

⑥ Patient Counselling →

\* Definition →

- 4) Medication or better knowledge provide or not etc.....
- \* Procedure → (steps during patient counselling)
- 1) Preparing for the session →
- set step or pharmacist patient disease and prescribed drug or or information collect or not ✓/
- 2) Opening of the session →
- set step or pharmacist patient or information or start or not ✓/
- 3) Counselling content →
- set step or pharmacist patient or information or start or not ✓/
- eg → How to take the medication and how it work etc.....

4) closing the session →

- session end करनी है user के check करनी है essential है is patient start में

7) Inter - Professional

collaboration →

\* Definition →

- ये इस process में है effective working relationship with learners, practitioners, patients / clients / families and communities में developing and

maintaining or is में

optimal health outcomes में enable करनी है।

\* Elements of collaboration →

include - Respect, trust, shared decision - making and partnerships.

etc.....

\* Pharmaceutical Care →

\* Definition →

Pharmaceutical care involves order

the process of identifying

Pharmacist, patient and other

health professionals

implementing and monitoring

the therapeutic plan

therapeutic outcomes

order produce order

\* classification of drug related problems →

• Unnecessary drug therapy

• Dose too high.

• Dose too low.

• Adverse drug reaction.

• Wrong drug.

• Need additional drug therapy.

• Drug interaction

• Inappropriate adherence.

• Lack of monitoring

others.....

\* Principles to provide P. care -

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- 1) Knowledge and skill of staff.
  - 2) effective workflow techniques.
  - 3) communication skills.
  - 4) Equipments and Resources.
  - 5) Proper documentation and data collection techniques.
  - 6) Pharmaceutical care is patient-centred.
  - 7) collaboration with patient and healthcare professionals.
- etc.....
- \* Procedure to Provide P. care →

collection of Patient specific information



Assessment of healthcare needs



formulating plan.



Implementation



follow up

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# Medication Therapy Management

## \* Definition →

- MTM was specific service on services are set apart & in certain patients on their therapeutic results are maximised order of MTM services, medication product or provision of order & but some cases coexist in the standard of
- \* Goals →
- Adverse drug effects are reduced order

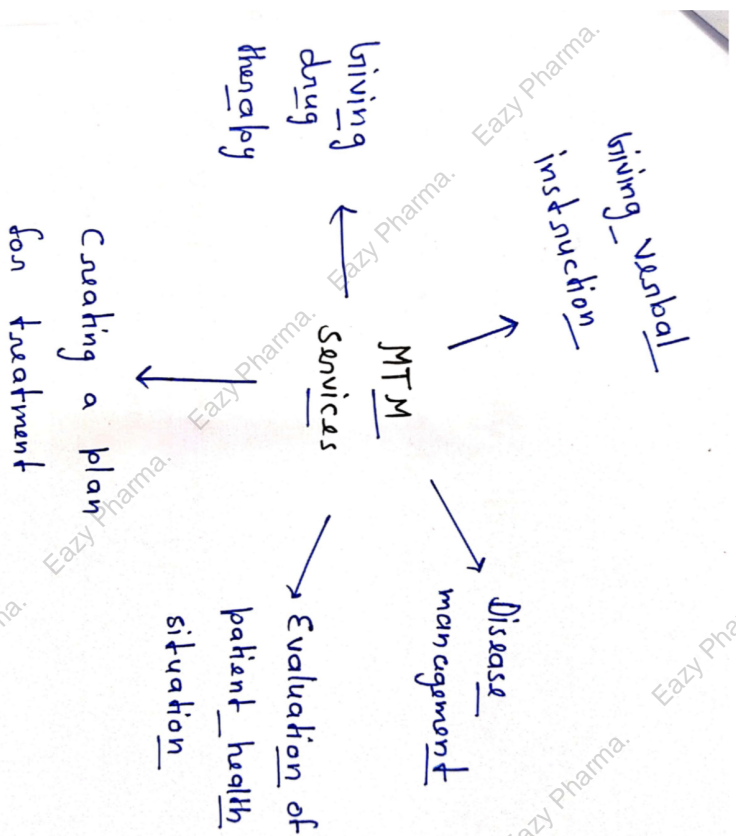
• Medication related problems are solve order

• Pharmacist MTM services are every area in order & in patient medicine order &

• MTM services anybody on their useful order & in herbal remedies, OTC medicine etc order &

\* Services Provided by MTM.

- MTM services are licensed pharmacist or other healthcare professionals or other providers



**Home Medication Review (HMR)**

\* Definition →

- Program that HMR and help on the created that are and medication used in and medication.
- so medication errors and reduce and on the other side of it/

\* Goals →

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- Patients drug related queries and solve and
- Patient medication compliance and improve and
- Patients medication knowledge and improve and
- Quality of life and improve and
- medicine and wastage and decrease and  
etc---

\* Need of HMR →

- Strong requirement and

- Patients one day 5 mins medication
- Medication not get used
- sick feel and following medication use and
- close monitoring and requires and
- Lately hospitalised and  
etc-----

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**THANK YOU.**

**By Dr Firoz khan**

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