PHARM.D • YEAR 4

Clinical Pharmacy

CHAPTER 2

Daily Activities of a Clinical Pharmacist

PPT CHAPTER COVER



DAILY WORK OF A CLINICAL PHARMACIST



1. review patients and medication charts
2. monitor efficacy, toxicity and laboratory data
3. participate in ward rounds
4. identify drug-related problems
5. recommend and document interventions
6. counsel patients and caregivers
7. answer drug and poison information queries
8. support medication safety and quality improvement

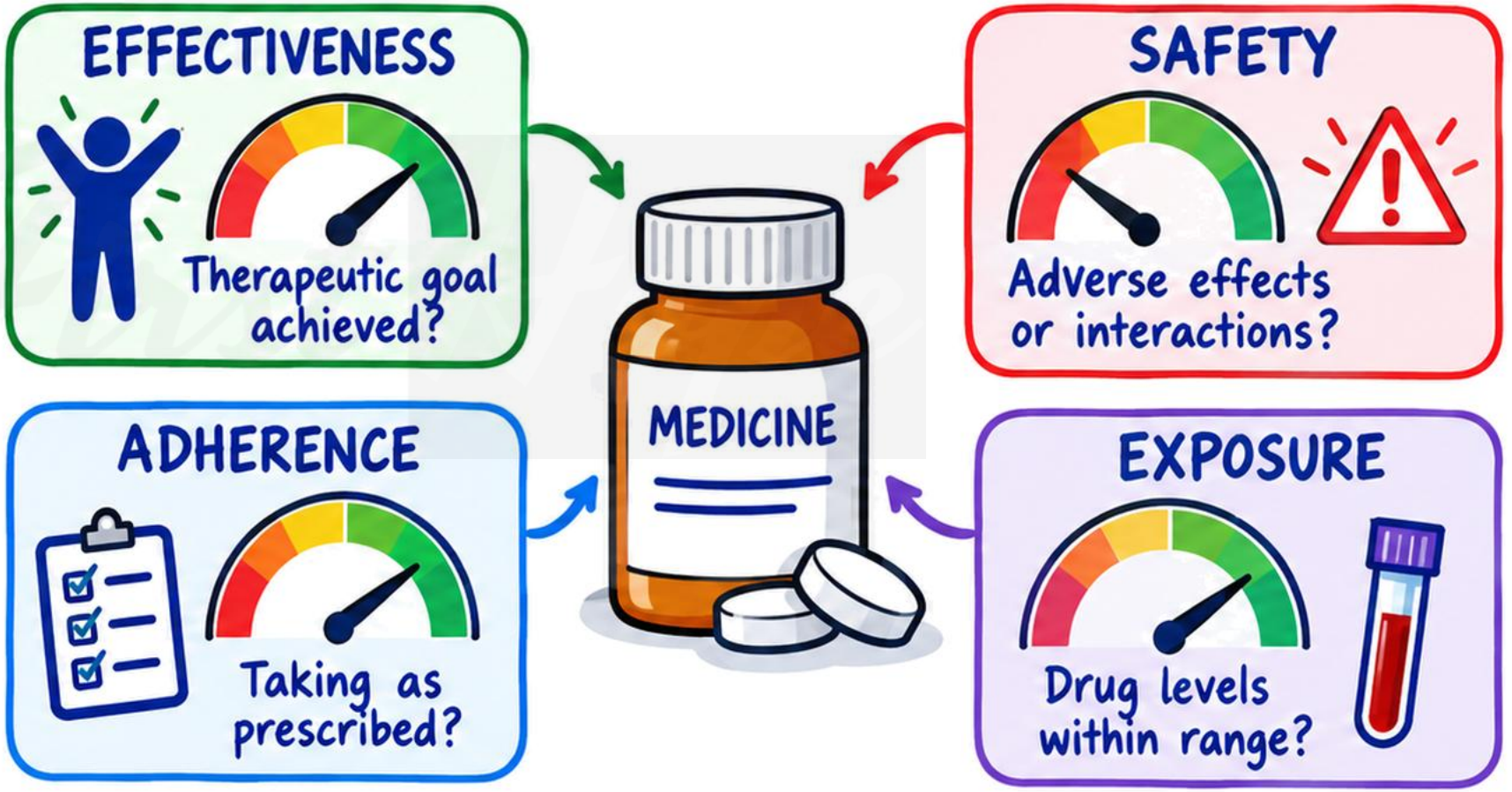
The cycle repeats as the patient's condition and therapy change.

DRUG THERAPY MONITORING

Drug therapy monitoring is the continuous assessment of a medicine's effectiveness, safety and appropriateness.

Objectives:

- confirm the therapeutic goal is being achieved
- detect adverse effects and interactions early
- identify under-treatment or excessive dosing
- check adherence
- modify therapy when patient factors change

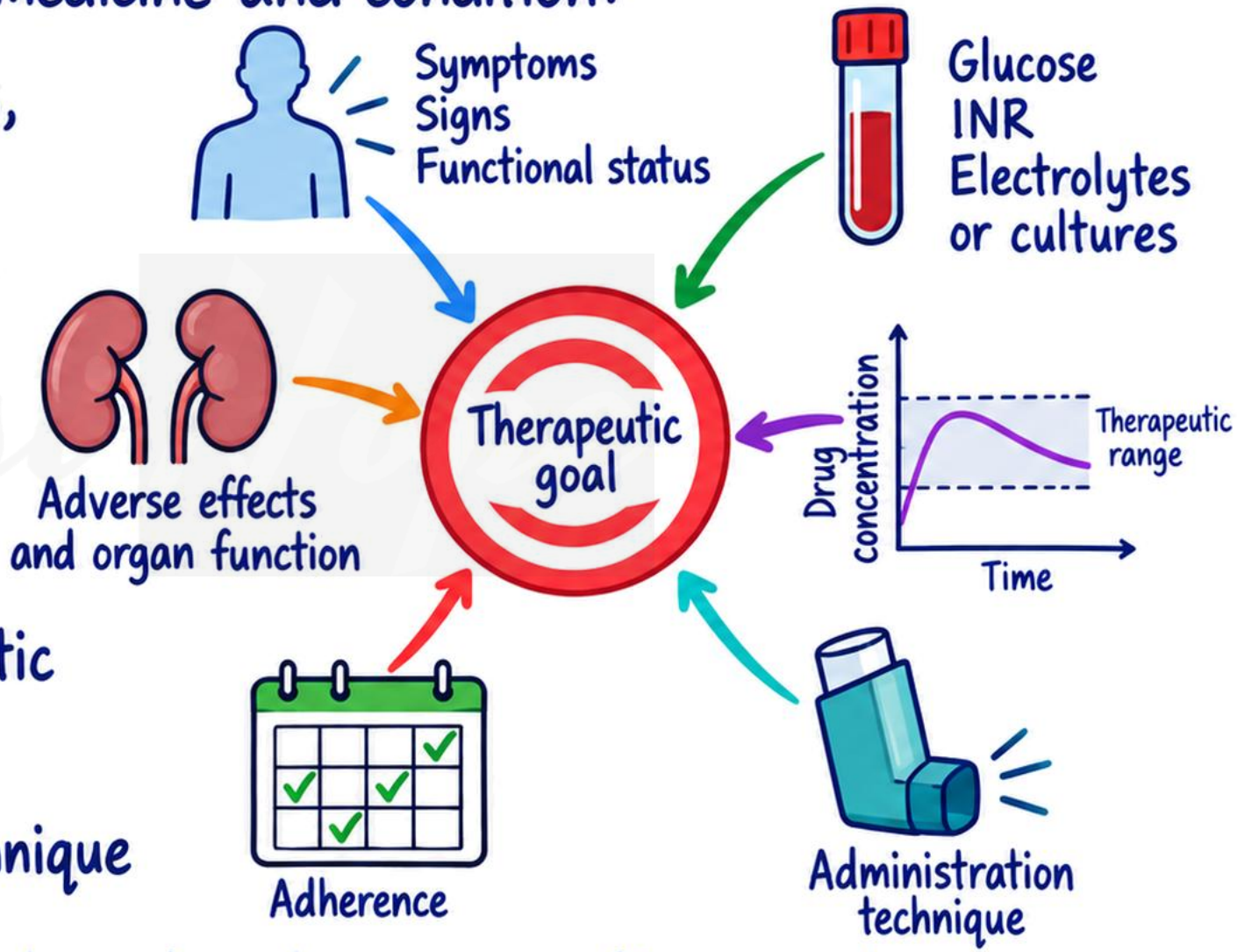


Monitoring combines symptoms, vital signs, laboratory results and medicine exposure.

WHAT TO MONITOR

Monitor the right parameter for the medicine and condition:

- clinical response: symptoms, signs, functional status
- safety: adverse effects and organ function
- laboratory markers: glucose, INR, electrolytes or cultures
- drug concentration when therapeutic drug monitoring is indicated
- adherence and administration technique



Compare each result with a defined goal and reassess after any change.

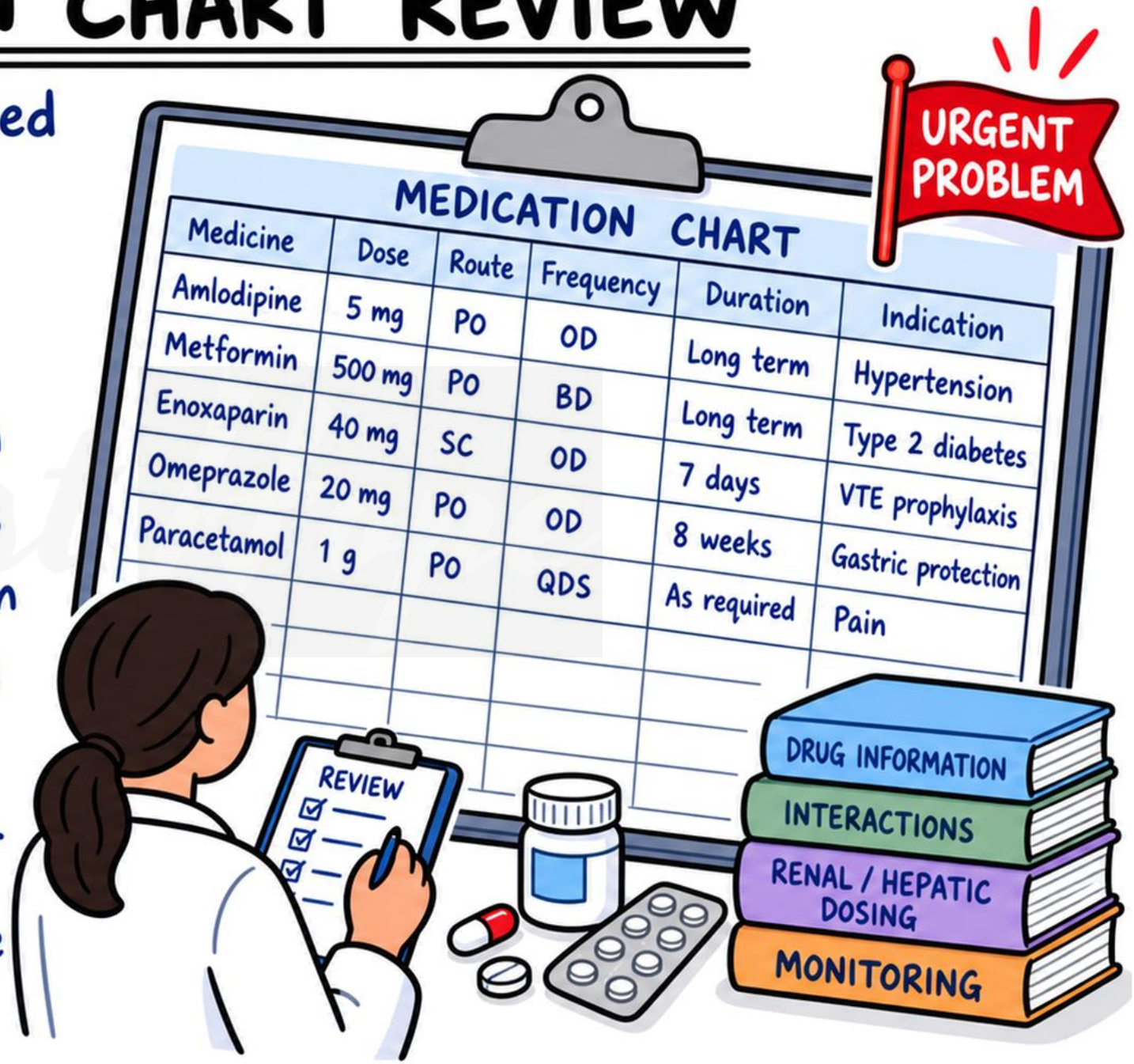
MEDICATION CHART REVIEW

Purpose: detect medication-related problems before harm occurs.

Review:

- ☑ indication for every medicine
- ☑ dose, route, frequency and duration
- ☑ allergy and contraindication status
- ☑ duplication, interaction and omission
- ☑ renal or hepatic dose requirements
- ☑ monitoring and stop dates
- ☑ clarity and completeness of the order

Document important findings and communicate urgent problems promptly.



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