Oncology Clinical Pharmacy One Team.....

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Objectives

- Highlight strategies for implementation of an Oncology Clinical Pharmacy model, and the impact the clinical pharmacists can have on patient safety, satisfaction, and overall healthcare costs.
- Elaborate on our Clinical Pharmacy model and show you our daily work flow as a team of healthcare professionals working together.
- Explain the global shift in pharmacy practice over the past few years.





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Caring for patient is our first priority

Clinical pharmacists work in collaboration with the other health providers to deliver comprehensive medication management that optimizes patient outcomes.

> To maximize the clinical effect of medicines and Minimize the risk of treatment-induced adverse events.

> > To provide high-quality, coordinated, patient-centered care.







Checkpoint #1: Order Evaluation

Our workflow begins at the point the order is entered by the prescriber, followed by pharmacist review.





Checkpoint #1: Order Evaluation

<u>Chemotherapy order sheet review :</u>

- ✓ Check the date a patient was last treated and the next planned treatment date should be compared to ensure that an appropriate interval has elapsed since treatment was last administered.
- ✓ Evaluate the lab. Results and physical assessment values to determine whether they are within acceptable ranges or if treatment modifications are indicated.

 Alert physicians to the need for a potential dose adjustment according to hematological toxicities, renal and hepatic dysfunctions.

A patient's allergy, drug sensitivity, and adverse drug effect histories and evaluate the current medication profile for potential drug interactions with planned chemotherapy treatment.















Checkpoint #4: Chemotherapy Preparation

Each chemotherapy drug will be prepared with the proper diluent(s) for reconstitution and/or admixture, and given the appropriate expiry date and time, as indicated in the Chemotherapy Preparation and Stability Chart .



Checkpoint #4: Chemotherapy Preparation

- Protect from light the photosensitive drugs.
- Visual Inspection of the final product.





Checkpoint # 5: Administration check

- ✓ Confirm that the medication will be administered to the intended patient by comparing a patient's name and unique identifying code or number with medication labels.
- ✓ Before starting treatment, recheck each chemotherapy medication independently against the prescriber's orders.

✓ Check the infusion rate at the initiation and periodically throughout the infusion.

✓ Examine the medication container and it's general appearance before administration.









Multidisciplinary Monitoring System of Medication Use and Verification

Clinical pharmacists are a crucial component of a system of double-checks that ensure safe care, optimal charge capture, and compliance with both external and internal guidelines.



Challenges

Oral Chemotherapy

Drug Information Center

Inpatient monitoring and Clinical Rounds

Conclusion

- Clinical Pharmacists have a significant role to play in the management of cancer patients, and should be members of multi-professional teams of each hospital.
- Pharmacy input can lead to a decrease in healthcare costs and to an improvement of the quality of patient care.
- Interaction with the healthcare team in patient rounds, identification of drug-related problems, and provision of information to patients and clinicians, can result in an improved outcome for the patient and hospital.

