



PRINCIPAL K. M. KUNDNANI COLLEGE OF PHARMACY

(GOVT. AIDED, PCI APPROVED, ACCREDITED BY NBA & AFFILIATED TO UNIVERSITY OF MUMBAI)
Plot No. 23, Jote Joy Building, Rambhau Salgaonkar Road, Cuffe Parade, Mumbai-400005.



Industry visit: Visit to P.D. Hinduja Hospital and Medical Research Centre

Day & Date: 10th August 2024 (Saturday)

Name of organization visited: P.D. Hinduja Hospital and Medical Research Centre

Type of Organization: Private

No of attendees: 17 Students and 01 Faculty

Content: On 10th August 2024, 17 Final Year B. Pharm students of Sem VII from Principal K.M. Kundnani College of Pharmacy had the opportunity to visit the esteemed P.D. Hinduja Hospital and Medical Research Centre with Faculty Dr. Mrinal Sanaye. The visit provided an insightful overview of the roles and responsibilities of hospital pharmacists. The team guiding the students included Dr. Geetali Sonal, a pharmacist; Dr. Ravindra Pandhe; and Dr. Deepak Bharambe, a clinical pharmacist. The session began with an introduction to the critical roles played by hospital pharmacists. The discussion covered various aspects of hospital pharmacy, including the importance of accurate dispensing, medication storage, and the role of clinical pharmacists. **Key functions discussed and shown to the students are as follows:**

1) Medication Management

- a) **Dispensing Medications:** The pharmacists are responsible for ensuring that medications prescribed by doctors are accurately dispensed at the correct dosages. This process starts with the transcription of prescriptions into the system by a nurse.
- b) **Medication Reconciliation:** The clinical pharmacist reviews patients' medication histories to prevent errors such as duplications or drug interactions, particularly during patient admission, transfer, or discharge.
- c) **Formulary Management:** Pharmacists maintain the hospital's formulary—a list of approved medications readily available in the facility. This list is approved by the Pharmacy and Therapeutics Committee (PCT).
- d) **Look-Alike, Sound-Alike (LASA) Medications:** Special attention is given to LASA medications to prevent mix-ups. These drugs are clearly labeled and stored separately to avoid errors during dispensing.
- e) **Cold Storage Unit:** Certain medications require cold storage to maintain their efficacy. The hospital ensures these drugs are stored in specialized cold storage units, adhering to strict temperature control protocols.
- f) **Narcotic Drugs:** Narcotic and other controlled substances are securely stored in a designated cupboard with lock and key and its accessibility is strictly regulated with the authorized person so as to comply with legal and safety requirements.
- g) **Alphabetical Drug Arrangement:** To streamline the dispensing process and reduce errors, drugs in the pharmacy are systematically arranged in alphabetical order.



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A consolidated report on medication management is generated every two hours, with 11 rounds conducted daily on a floor-wise basis. On average, 1,200 vouchers are generated per day, encompassing the punching of vouchers, dispensing of medicaments, and billing based on usage.

2) Patient Education and Counseling

- a) **Discharge Counseling:** Pharmacists provide essential information to patients about their medications upon discharge, including usage instructions, potential side effects, and possible interactions with other drugs or food.
- b) **Education for Special Populations:** Pharmacists tailor educational efforts for patients with chronic conditions or those on complex medication regimens.

3) Collaboration with Healthcare Team

- a) **Interdisciplinary Rounds:** Pharmacists often participate in medical rounds, contributing to treatment plans and ensuring that medication-related decisions are evidence-based.
- b) **Consultation:** Pharmacists serve as a resource for physicians and nurses, offering expert advice on drug selection, dosing, and therapy optimization.

4) Regulatory and Compliance

- a) **Ensuring Compliance:** Pharmacists ensure the hospital complies with regulatory requirements related to medication storage, dispensing, and documentation.
- b) **Handling Controlled Substances:** They manage the secure storage and dispensing of controlled substances, ensuring compliance with relevant laws and regulations.

5) Inventory and Supply Chain Management

- a) **Inventory Control:** Hospital pharmacists manage medication supplies, ensuring critical drugs are available while efficiently maintaining inventory to prevent waste.
- b) **Vendor Relations:** Pharmacists negotiate with suppliers to source cost-effective, high-quality medications. One of their partners is the Wellness Pharmacy Store, which provides emergency medication supplies when in-house stock is depleted.

6) Emergency Response

- a) **Code Blue and Trauma Response:** Pharmacists play a crucial role in emergency situations, quickly and accurately providing medications during codes or trauma events.

Outputs:

1. **Knowledge and Understanding:** Students gained a comprehensive understanding of the medication management processes within a hospital setting, including dispensing, medication reconciliation, formulary management, and the handling of controlled substances and regulatory compliance.

- 2. Skill Development:** The visit enhanced students' ability to apply clinical pharmacy knowledge in a real-world setting, particularly in patient education, discharge counselling, and medication reconciliation and understood the role of pharmacists within the interdisciplinary healthcare team.
- 3. Real-World Application:** The visit provided students with practical exposure to the operations of a hospital pharmacy, including inventory control, cold storage management, and the handling of Look-Alike, Sound-Alike (LASA) medications and emergency response.
- 4. Professional Development:** The visit reinforced the importance of ethical practices and legal responsibilities in pharmacy operations, particularly in the management of narcotic drugs and controlled substances.
- 5. Reflective Learning:** The visit encouraged students to critically reflect on the processes and decisions made in hospital pharmacy settings, understanding the rationale behind various medication management strategies

The session concluded with an interactive Q&A where students' queries were addressed, and valuable guidance was provided on future opportunities and further career options available after completing a B.Pharm degree.

Photo:



Visit to P.D. Hinduja Hospital and Medical Research Centre