Department of Pharmacology and Therapeutics  
Dow Dental College (DDC),  
Dow University of Health Sciences (DUHS), Karachi.  
2ND YEAR, BDS, Batch VII, 2020 TERM 1  
WEEK-WISE PHARMACOLOGY SCHEDULE

<table>
<thead>
<tr>
<th>WEEK</th>
<th>Monday Lecture 11:00 am-12:00 pm</th>
<th>Monday Practical (Group A) 12:00-03:00 pm</th>
<th>Thursday Practical (Group B) 12:00-03:00 pm</th>
<th>Thursday Lecture 11:00 am-12:00 pm</th>
<th>Saturday Tutorial (Group A) 11:00 am-12:40 pm (Group B) 12:40 pm-2:20 pm</th>
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</thead>
<tbody>
<tr>
<td>3</td>
<td>Pharmacokinetics: Excretion</td>
<td>Pharmacological preparations</td>
<td>Pharmacological preparations</td>
<td>Pharmacokinetics: Factors modifying the dose and action of a drug. Dosage regimens</td>
<td>Tutorial Pharmacological preparations</td>
</tr>
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<td>Page 2 of 4</td>
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<td><strong>6</strong></td>
<td><strong>ANS</strong></td>
<td><strong>Parasympathomimetics</strong></td>
<td><strong>Calculations of solutions &amp; ointments II</strong></td>
<td><strong>Calculations of solutions &amp; ointments II</strong></td>
<td><strong>ANS</strong></td>
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<td><strong>7</strong></td>
<td><strong>ANS</strong></td>
<td><strong>Sympathomimetics</strong></td>
<td><strong>Dosage calculations I</strong></td>
<td><strong>Dosage calculations I</strong></td>
<td><strong>ANS</strong></td>
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<td><strong>8</strong></td>
<td><strong>Drugs used in Pain management and Arthritis.</strong></td>
<td><strong>NSAIDs (Aspirin)</strong></td>
<td><strong>Dosage calculations II</strong></td>
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<td><strong>Drugs used in Pain management and Arthritis.</strong></td>
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<td><strong>9</strong></td>
<td><strong>Drugs used in Pain management and Arthritis.</strong></td>
<td><strong>NSAIDs (Acetaminophen)</strong></td>
<td><strong>Prescription Writing</strong></td>
<td><strong>Prescription Writing</strong></td>
<td><strong>Drugs used in Pain management and Arthritis.</strong></td>
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<td><strong>10</strong></td>
<td><strong>Drugs used in Pain management and Arthritis.</strong></td>
<td><strong>Treatment of Arthritis (Osteoarthritis, Rheumatoid arthritis, Gout)</strong></td>
<td><strong>Presentation By Students: SUB GROUP # A 1 (Roll No. 1-3) Routes of drug administration</strong></td>
<td><strong>Presentation By Students: SUB GROUP # B 1 (Roll No. 26-28) Routes of drug administration</strong></td>
<td><strong>Chemotherapeutic Drugs.</strong></td>
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<td><strong>11</strong></td>
<td><strong>Chemotherapeutic Drugs</strong></td>
<td><strong>Cell wall synthesis inhibitors (Penicillins &amp; Cephalosporins)</strong></td>
<td><strong>Presentation By Students: SUB GROUP # A 2 (Roll No. 4-5) Pharmacokinetics: Biotransformation/Metabolism</strong></td>
<td><strong>Presentation By Students: SUB GROUP # B 2 (Roll No. 29 – 30) Pharmacokinetics: Biotransformation/Metabolism</strong></td>
<td><strong>Chemotherapeutic Drugs</strong></td>
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</tbody>
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| 12 | **Chemotherapeutic Drugs**  
Protein synthesis inhibitors-II  
(Tetracyclines & Chloramphenicol) | Presentation By Students:  
SUB GROUP # A 3 (Roll No. 6-8)  
**Pharmacodynamics:**  
Mechanism of action: Receptors: Types and Actions, Signaling mechanisms | Presentation By Students:  
SUB GROUP # B 3 (Roll No. 31 – 33)  
**Pharmacodynamics:**  
Mechanism of action: Receptors: Types and Actions, Signaling mechanisms | **Chemotherapeutic Drugs**  
Protein synthesis inhibitors-III  
(Aminoglycosides) | Tutorial Pharmacokinetics:  
Dose response relationship |
|---|---|---|---|---|---|
| 13 | **Chemotherapeutic Drugs**  
Anti-metabolites  
(Sulfonamides & Trimethoprim) | Presentation By Students:  
SUB GROUP # A 4 (Roll No. 9-10)  
**Pharmacodynamics:**  
Adverse drug reactions & Drug-Drug interactions | Presentation By Students:  
SUB GROUP # B 4 (Roll No. 34 – 35)  
**Pharmacodynamics:**  
Adverse drug reactions & Drug-Drug interactions | **Chemotherapeutic Drugs**  
Quinolones | Tutorial ANS  
Parasympathomimetics  
Parasympatholytics |
| 14 | **Chemotherapeutic Drugs**  
Anti-fungal drugs | Presentation By Students:  
SUB GROUP # A 5 (Roll No. 11-13)  
**ANS**  
Sympathomimetics and Sympatholytics | Presentation By Students:  
SUB GROUP # B 5 (Roll No. 36 – 38)  
**ANS**  
Sympathomimetics and Sympatholytics | **Chemotherapeutic Drugs**  
Anthelmintics | Tutorial  
Drugs used in Pain management and Arthritis. |
| 15 | **Chemotherapeutic Drugs**  
Anti-viral drugs | Presentation By Students:  
SUB GROUP # A 6 (Roll No. 14-15) | Presentation By Students:  
SUB GROUP # B 6 (Roll No. 39 – 40) | **Chemotherapeutic Drugs**  
Antiprotozoal drugs-I  
Anti-amaebiasis | Tutorial **Chemotherapeutic Drugs**  
Protein Synthesis inhibitors-I  
(Macrolides)  
Protein synthesis inhibitors-II  
(Tetracyclines & Chloramphenicol  
Protein synthesis inhibitors-III  
(Aminoglycosides) |
| 16 | **Chemotherapeutic Drugs**  
|    | Antiprotozoal drugs-II  
|    | Anti-malarial drugs  
|    | **Presentation By Students:**  
|    | SUB GROUP # A 7  
|    | (Roll No. 16-18)  
|    | **Chemotherapeutic Drugs**  
|    | Anti-metabolites (Sulfonamides & Trimethoprim)  
|    | **Presentation By Students:**  
|    | SUB GROUP # B 7  
|    | (Roll No. 41 – 43)  
|    | **Chemotherapeutic Drugs**  
|    | Anti-metabolites (Sulfonamides & Trimethoprim)  
|    | **Presentation By Students:**  
|    | SUB GROUP # A 8  
|    | (Roll No. 19 -21)  
|    | **Chemotherapeutic Drugs**  
|    | Anti-viral drugs  
|    | **Chemotherapeutic Drugs**  
|    | Anti-viral drugs  
|    | **Revision**  
|    | **Presentation By Students:**  
|    | SUB GROUP # A 9  
|    | (Roll No. 22-23)  
|    | **Chemotherapeutic Drugs**  
|    | Anti-cancer drugs / Cytotoxic drugs  
|    | **Presentation By Students:**  
|    | SUB GROUP # B 9  
|    | (Roll No. 47 – 48)  
|    | **Chemotherapeutic Drugs**  
|    | Anti-cancer drugs / Cytotoxic drugs  
|    | **Revision**  
|    | **Presentation By Students:**  
|    | SUB GROUP # A 10  
|    | (Roll No. 24-25)  
|    | **Chemotherapeutic Drugs**  
|    | Anti-tuberculous drugs  
|    | **Revision**  
|    | **Presentation By Students:**  
|    | SUB GROUP # B 10  
|    | (Roll No. 49 – 51)  
|    | **Chemotherapeutic Drugs**  
|    | Anti-tuberculous drugs  

**Professor DR. Muhammad Yousuf Salat**  
**Head Department of Pharmacology and Therapeutics,**  
**Dow Dental College (DDC),**  
**Dow University of Health Sciences (DUHS), Karachi.**