

UNIVERSITY OF MALTA
FACULTY OF MEDICINE AND SURGERY
DEPARTMENT OF CLINICAL PHARMACOLOGY &
THERAPEUTICS

BSc Biology and Chemistry
CPH4500 February 2008

Please hand in to CLPH Departmental Secretary, room 207, 1st floor
Chemistry building, by Monday 28th April 2007

You are all provided with the name of a drug.

1. Describe the clinical indications and therapeutic actions of this drug.
2. What different formulations (e.g. oral, intravenous) are available? How is the drug administered? What are the doses and usual dosage regimen? Name some trade names of this drug. How should it be stored?
3. For your drug find the value of these pharmacokinetic parameters for the parent drug in Adults and Children
 - a. Bioavailability
 - b. Volume of distribution and degree of protein binding
 - c. Half life and rate of elimination
 - d. Metabolism and elimination pathways
4. Discuss the values you have found. How do these values relate to the pharmacological activity and thus the dosage regimen of the drug?

List all references used and enclose copies of the articles/abstracts used. Limit to 1500 words (excluding references). Use diagrams/figures/tables whenever possible.

Useful resources:

University of Malta library <http://www.lib.um.edu.mt/>

Free full text medical journals online <http://www.freemedicaljournals.com>

Free full text medical books online <http://freebooks4doctors.com/>

PubMed Medline database <http://www.pubmed.gov>

National Library of Medicine Medline Plus and Health Information

<http://www.nlm.nih.gov/medlineplus/>

Resource Guide for Life Sciences and Health Studies <http://www.jisc.ac.uk/subject/health-life/>

Merck Manual of Diagnosis and Therapy

<http://www.merck.com/mrkshared/mmanual/sections.jsp>

Malta Medicines Authority SPC database

<http://www.medicinesauthority.gov.mt/products/search.htm>

European Medicines Agency <http://www.emea.eu.int/>

US Food and Drug Administration <http://www.fda.gov>

Student	Drug
Apap Charlene	Levocabastine
Attard Joanne	Levomepromazine
Calleja Joseph	Lomefloxacin
Calleja Marco A.	Lopinavir
Camilleri Mario Noel	Loratadine
Cauchi Gustaf Karl	Lymecycline
Chircop Beck Ruth	Mebendazole
Cremona Rachel	Mebeverine
Fiorini Teresa	Memantine
Galea George	Sirolimus
Gatt Ariana	Telithromycin
Magro Maria	Telmisartan
Rizzo Joanna	Tiagabine
Schemrbi Mark George	Topiramate
Scicluna Maria-Liza	Topotecan
Spiteri Christian	Trastuzumab