

Principles of Drug Action
SCPM 502, 2 Credits (2-0-4)
Academic Year 2560 (2017)

Date: 18 October 2017 – 20 November 2017

Time: Mon, Wed, Fri 09.00-12.00

Room: Pr.501, Department of Pharmacology

Date	Topics	Instructors
18 October Wednesday	L1: Introduction to pharmacodynamics & pharmacokinetics L2-3: Pharmacokinetics I and II	NS
20 October Friday	L4: Drug dosing regimen Conference 1: clinical pharmacokinetics (2 h)	NS
25 October Wednesday	Conference 2: Effect of liver and kidney diseases on pharmacokinetics (3 h)	NS
30 October Monday	L5: Drug discovery and development (1 h) L6-7: Biotransformation and factors affecting drug biotransformation I and II	NS PK
1 November Wednesday	L8: Drug transporters L9: Pharmacogenomics I L10: Pharmacogenomics II	PK PK PK
3 November Friday	L11: Physiologically-based pharmacokinetics L12: Individual variation & drug interactions L13: Molecular targets of drug action	PK PK DP
6 November Monday	Examination 1 (L1-10, C1-2)	
8 November Wednesday	L14: Ligand-receptor interaction L15: Dose-effect and concentration-effect analysis Conference 3: pharmacodynamics calculations (1 h)	PT PT
10 November Friday	L16: drug addiction and abuse Conference 4: drug addiction treatment (2 h)	PP
13 November Monday	L17: Drug uses in pediatric and geriatric patients L18: Drug uses in pregnancy and lactation	DP
17 November Friday (13.00-16.00)	L19: Adverse drug reactions (ADR) Conference 5: ADR (2 h)	NJ
20 November Monday (13.00-15.00)	Examination 2 (L11-19, C3-5)	

Summary

Lectures (L1-19)	19 hours
Conference 1-5	10 hours
Total time	29 hours