

# Contents

<b>Subject</b>	<b>Page No.</b>
<b>Chapter One</b>	2
<b>1. Introduction</b>	
<b>1.1 Pharmacokinetics</b>	2
1.1.1 Absorption	3
1.1.1.1 Bioavailability	4
1.1.1.2 Factors affecting drug BA	4
1.1.2 Distribution	5
1.1.2.1 Factors affecting drug distribution	5
1.1.2.2 Volume of distribution	5
1.1.3 Excretion	6
1.1.3.1 Factors affecting drug excretion	6
1.1.4 Metabolism	6
1.1.4.1 Phase I metabolism	7
1.1.4.2 Phase II metabolism	9
<b>1.2 Drug interactions</b>	10
1.2.1 Classification of drug interactions	11
1.2.2 Mechanisms of pharmacokinetic interactions	12
1.2.2.1 Drug interactions affecting absorption	12
1.2.2.2 Drug interactions affecting distribution	12
1.2.2.3 Drug interactions affecting excretion	13
1.2.2.4 Drug interactions affecting metabolism	13
<b>1.3 Propranolol (PRN)</b>	15
1.3.1 Propranolol mechanism of action	16
1.3.2 Propranolol medical uses	17
1.3.3 Propranolol Pharmacokinetics	18
1.3.3.1 Absorption and bioavailability	18
1.3.3.2 Distribution	19