

CHAPTER ONE
INTRODUCTION

CHAPTER TWO
LITERATURE REVIEW

CHAPTER THREE
HPLC MATERIALS AND METHODS

CHAPTER FOUR

IN-VITRO DOSE EMISSION AND AERODYNAMIC PARTICLE SIZE DISTRIBUTION OF THE DOSE EMITTED FROM TERBUTALINE SULPHATE BRICANYL TURBUHALER AT DIFFERENT FLOW RATES

CHAPTER FIVE

IN-VITRO DOSE EMISSION AND AERODYNAMIC PARTICLE SIZE DISTRIBUTION OF THE DOSE EMITTED FROM TERBUTALINE SULPHATE BRICANYL METERED DOSE INHALER WITH AND WITHOUT DIFFERENT SPACERS

CHAPTER SIX

IN-VITRO DOSE EMISSION AND AERODYNAMIC PARTICLE SIZE DISTRIBUTION OF THE DOSE EMITTED FROM TERBUTALINE SULPHATE BRICANYL RESPULES BY DIFFERENT NEBULISERS

CHAPTER SEVEN

RELATIVE BIOAVAILABILITY OF TERBUTALINE TO THE LUNG FOLLOWING INHALATION, USING URINARY EXCRETION

CHAPTER EIGHT

**APPLICATION, RELATIVE LUNG AND SYSTEMIC
BIOAVAILABILITY OF TERBUTALINE INHALED FROM
DRY POWDER SYSTEM, METERED DOSE INHALER
WITH AND WITHOUT SPACER AND NEBULISERS USING
URINARY DRUG EXCRETION POST INHALATION**

CHAPTER NINE

APPLICATION, RELATIVE LUNG AND SYSTEMIC BIOAVAILABILITY OF NEBULISED TERBUTALINE TO NON-INVASIVELY VENTILATED PATIENTS USING URINARY DRUG EXCRETION POST INHALATION

CHAPTER TEN
SUMMARY AND FUTURE WORK

CHAPTER ELEVEN

REFERENCES

CHAPTER TWELVE

APPENDIX