

Dr. Tarek Saad M. Hanna

, Cairo, Egypt.
+2012 2220 15 25

tarekmakram@yahoo.com



PhD in Pharmaceutical science, Faculty of Pharmacy, Cairo University 2000.

SUBJECT	<p>“A contribution to the Study of the Phenomenon of Mass transfer of Furosemide”.</p> <ol style="list-style-type: none">1. Effect of cyclodextrins on physicochemical characteristics of Furosemide: The data revealed formation of 1:1 complexes between Furosemide and the investigated CyDs. The investigated CyDs. Where found to increase the solubility of the drug in water. The degradation rate constant as well as the half-life were improved and marked protection of the drug against chemical degradation. The solubility of Furosemide in CyD-complexes is improved.2. Implication on Bioavailability: The bioavailability of the drug was studied on normal human volunteers. The excretion rate of the drug was determined by HPLC for a period of 24 hrs. Post dosing. Inclusion complexation of Furosemide in CyDs leads to a more or less delay in its onset of action, a significant increase in its duration of action as well as significant augmentation in its over all biological availability.3. Experimental:<ol style="list-style-type: none">a. Preparation of complexes according to kneading method.b. Assessment of bioavailability: The bioavailability of Furosemide and its CyD complexes was assessed in 6 healthy human volunteers, average age of 28 years and average weight 65 kg. After an overnight fast, each subject received a single dose (20 mg/70 kg b.w) of Furosemide or the equivalent amount of its inclusion complex.<ol style="list-style-type: none">i. Urine samples: Urine samples were calculated at 1, 2, 3, 4, 6, 9, 12, 15, 18 and 24 hrs. post dosing.ii. HPLC assay:<ol style="list-style-type: none">1. Preparing the sample: Urine samples were extracted with 3 ml ethyl acetate in a vortex mixer for 1 min, and phase separation was achieved by centrifugation. 2 ml of organic layer were transferred to be evaporated using temperature-regulated sand bath. Each sample residue was injected into the HPLC equipment using mobile phase.
---------	---

M. Sc. in Pharmaceutical Science, Faculty of Pharmacy, Cairo University 1995.

SUBJECT	<p>“A contribution to the Study of the Phenomenon of Mass transfer of Oral Anticoagulants”.</p> <ol style="list-style-type: none">1. Interaction of Oral anticoagulants with methyl Xanthines: The results revealed formation of equimolar complex with caffeine and theophylline, such complex improves solubility of dicumarol and Warfarine sodium and dissolution rate.2. Improvement of biological performance of oral antiagulants:<ol style="list-style-type: none">a. Warfarine: Coevaporates of Warfarine sodium containing different weight fraction of polyvinyl-pyrrolidone (kollidon 25 & 30) polymers. The coevaporate of Warfarine with an equal weight fraction of kollidon 30 was found to exhibit optimum biological properties beside highest dissolution rate.b. Dicumarol: Polyethylene glycols enhance the dissolution properties of the drug and the dissolution rate, increase with increasing polymer weight fraction. PEG improve the biological effect of Dicumarol.3. Assessment of Bioavailability of Anticoagulant Drugs: By using single oral dose of Anticoagulant drugs or the equivalent amount of its physical mixture or co evaporates packet in transparent gelatin capsules were administrated to 6 main healthy Albino rabbits weighing 2.5 ± 0.2 kg in a cross-over design system. The animals were kept on dry meal, excluding any green fodder for 1 week before as well as during the experiment. The bioavailability of the drug was assessed by determining the prothrombin time of blood samples taken from an animal ear vein after different time intervals following administration of the drug.
---------	--

B.Sc. of Pharmaceutical sciences, Faculty of Pharmacy, Cairo University 1990.

Grade: Very Good with Honors

Dr. Tarek Saad M. Hanna

, Cairo, Egypt.

+2012 2220 15 25

tarekmakram@yahoo.com

International Centre for Bioavailability and Clinical Research (ICBR) Akdima Pharmaceutical Company, ElOubour City, Cairo, Egypt	
WORK HISTORY	May 2013: Working as a Bioequivalence and In-vitro Study Technical Director. To date 2015
	October 6 University, 6 of October city, Egypt
Feb. 2018 2008 2014 2014 Aug 2007: To date	<ul style="list-style-type: none">▪ Associate professor in Pharmaceutics & Industrial pharmacy▪ Faculty youth pioneer, Faculty of Pharmacy▪ University youth pioneer▪ Head of the field training in the faculty▪ Working as a Lecturer in the Industrial and Pharmaceutics Department. Job Responsibilities include: <ul style="list-style-type: none">▪ Managing the industrial department to facilitate the achievement of accreditation from National Quality Assurance and Accreditation Agency (NQAAA)▪ Author of 6 books:<ul style="list-style-type: none">○ Industrial Pharmacy 1○ Industrial Pharmacy Practical 1○ Industrial Pharmacy 2○ Industrial Pharmacy Practical 2○ Drug Marketing.○ Pharmaceutical legislation▪ Allocate and put the syllabus for the following subjects including the practical.▪ Teaching the following subjects:<ul style="list-style-type: none">○ Industrial Pharmacy for Year four○ Industrial Pharmacy for Year five○ Drug Marketing for Year five○ Pharmaceutical legislation for year five▪ Teaching Pharmaceutical Industrial Practical▪ Maintaining and supervising the process of regular training of the students in the Drug Marketing sector in local and multinational pharmaceutical companies.▪ Pharmaceutical Consultant for the Industrial Pharmacy Factories in Egypt▪ Youth Advocate in the Faculty of pharmacy and university since 2014 till now & responsible and supervision for student union election▪ Responsible for arranging and evaluating summer trainings for the students of the faculty in pharmaceutical factories, pharmacies, pharmaceutical research centers and pharmaceutical distribution centers.▪ Planning field visits to the pharmaceutical industrial company▪
	National Research Center, Giza, Egypt
Apr 2000: 2006	Working as a Lecturer in Pharmaceutical science department. Job Responsibilities include: <ul style="list-style-type: none">▪ Formulating new pharmaceutical preparations.▪ Reducing drug-food interaction.▪ Reducing drug-drug interaction.▪ Quality control <ul style="list-style-type: none">○ In-Vitro tests<ul style="list-style-type: none">➤ Dissolution efficiency tests➤ Partition coefficient tests➤ Solubility tests➤ Different stability tests○ In-Vivo tests<ul style="list-style-type: none">➤ Animal tests➤ Human volunteers tests

Dr. Tarek Saad M. Hanna

, Cairo, Egypt.

+2012 2220 15 25

tarekmakram@yahoo.com

	Dec 95: Mar 2000	Working as an assistant Lecturer in Pharmaceutical science department. Job Responsibilities include: <ul style="list-style-type: none"> ▪ Reducing drug-food interaction. ▪ Reducing drug-drug interaction. ▪ Quality control <ul style="list-style-type: none"> ○ In-Vitro tests <ul style="list-style-type: none"> ➤ Dissolution efficiency tests ➤ Partition coefficient tests ➤ Solubility tests ➤ Different stability tests
	Sep 91: Nov 95	Working as a T.A. in Pharmaceutical science department Job responsibilities include: <ul style="list-style-type: none"> ▪ Collecting materials needed for new researches. ▪ Supervising the newly joined pharmacists. ▪ Responsible for all the statistical analysis documentation.
	Special Achievements	From 1995: 1998, working on a project for studying the "Contribution to the Study of the Phenomenon of Mass transfer of some pharmaceutical preparations". Work was accomplished through a teamwork basis. The project was sponsored by "The Academy of Scientific research"
	Apparatus	<ul style="list-style-type: none"> - L.K.B. spectrophotometer, model 4050 - L.K.B. biochrome - Infrared spectrophotometer - Computerized Perkin Elmer 7 Series Thermal Analysis System - USP Dissolution rate Apparatus - Waters 600E Multisolvant Delivery System-High Performance Liquid Chromotography - Lichrosorb 5RP-18250mm x 4.6mm and 5U Particle Size Column - Chriss Freezer Dryer - Heidolph Shaker, Model DSG 304 - Vapor Pressure Osmeter
Victoria Pharmacy, Shoubra		
	July 90: Date	Working on daily shift basis as the main pharmacist in the pharmacy. Job responsibilities include: <ul style="list-style-type: none"> ▪ Responsible for managing the daily actions within the pharmacy. ▪ Responsible for reviewing the drugs details and drugs expiration date handling. ▪ Responsible for vendors relations, chemically, financially and administration side. ▪ Responsible for customers handling and medical advisement. ▪ Responsible for any required medical preparations. ▪ Managing large companies' health insurance accounts.
Saad Pharmacy, Shoubra		
	Mar 94: Mar 04	Working on daily shift basis as the main pharmacist in the pharmacy. Job responsibilities include: <ul style="list-style-type: none"> ▪ Responsible for managing the daily actions within the pharmacy. ▪ Responsible for reviewing the drugs details and drugs expiration date handling. ▪ Responsible for vendors relations, chemically, financially and administration side. ▪ Responsible for customers handling and medical advisement. ▪ Responsible for any required medical preparations.
F & T Pharmacy, Zamalek		
	Feb 01: Date	Working on daily shift basis as the main pharmacist in the pharmacy. Job responsibilities include: <ul style="list-style-type: none"> ▪ Responsible for managing the daily actions within the pharmacy. ▪ Responsible for reviewing the drugs details and drugs expiration date handling. ▪ Responsible for vendors relations, chemically, financially and administration side. ▪ Responsible for customers handling and medical advisement. ▪ Responsible for any required medical preparations. ▪ Managing large companies' health insurance accounts.

Dr. Tarek Saad M. Hanna

, Cairo, Egypt.

+2012 2220 15 25

tarekmakram@yahoo.com

COURSES	
Training course of the seminar on evaluation of drug efficacy. Organized by Agency for cooperation in international health (ACIH) & Japan international cooperation agency (JICA).	
Mar 2000: June 2000	Course Locations: <ul style="list-style-type: none">▪ Faculty of Pharmacy & Faculty of Medicine, Kumamoto University.▪ Kaketsuken kikuchi laboratories.▪ Panapharm laboratories.▪ Pharmaceutical business development Takeda Chemical Industries, Ltd.▪ Kyushu University.▪ Faculty of pharmaceutical science, Kyoto University.▪ Faculty of pharmaceutical science, Tokyo University.▪ National Institute of Hygienic Science (Tokyo).▪ Techno Research Park, faculty of engineering, K.U. University.
June 1995	Training course about Oral contraceptives and other ways of pregnancy control. Course included: field trips to low educated people and areas.
Training at "Al- Raei Al-Saleh" Hospital	
Jan 91: Apr 92	Responsible for conducting the studies on the possibility of reducing the occurrence of tropical diseases and prevention of enzymatic diseases through teamwork and with support of member states. Planning implementation and monitoring of most of the regional tropical diseases and zones programs.
Training at ABI Pharmaceutical company, Egypt (Glaxo Smith Klein)	
Summer of 1988	Training in the Production department and the Quality control department.
CERTIFICATES	<ul style="list-style-type: none">▪ Certificate from "The Egyptian Pharmacists Association" for being outstanding in the practice of pharmaceutical work.▪ Certificate from "Kyushu International Center & Japan International Cooperation Agency" for the attendance of "The General Japanese Language Course from 21 Apr 2000: 9 June 2000.▪ Special certificate from "Cairo University" for the outstanding performance in preparing for the M. Sc.▪ Certificate for successfully completing the group-training course of the seminar on evaluation of drug efficacy. Organized by Agency for cooperation in international health (ACIH) & Japan international cooperation agency (JICA).
Professional occupations	<ul style="list-style-type: none">▪ Member of Giza Syndicate Council since 2015▪ Member of NOR WATTEN NGO COUNCIL

Dr. Tarek Saad M. Hanna

, Cairo, Egypt.
+2012 2220 15 25

tarekmakram@yahoo.com

PUBLISHED PAPERS	<ul style="list-style-type: none"> ▪ “Interaction of Oral Anticoagulants with Methyl Xanthines”. (Pharmazie 52 “1997” 12). ▪ “Improvement of The Biological Performance of Oral Anticoagulants drugs” (Pharmazie 52 “1997” 9). ▪ “Inclusion complexation of Furosemide in Cyclodextrins” <ul style="list-style-type: none"> ➢ Part 1: “Effect of Cyclodextrins on Physicochemical characters of Furosemide” (Pharmazie 54 “1999” 2). ➢ Part 2: “Implications on Bioavailability” (Pharmazie 54 “1999” 3). ▪ “Rapid pain relief using transdermal film forming polymeric solution of ketorolac”. (Informa Healthcare USA, 2011) ▪ “Preparation and Evaluation of Hydrogels as a Vehicle for Tropical Delivery of Lornoxicam, (International Journal of Drug Formulation and Research”. (IJDFR volume 2 Issue 5, Sep.-Oct. 2011) ▪ “Topical liquid crystalline gel containing Lornoxicam/Cyclodextrin complex” (Springer Science+Business Media B.V. 2011) ▪ “Development And Evaluation of Film Forming Polymeric Solution of Ketorolac Transdermal Delivery System”,(FUE International Conference on Pharmaceutical Technologies (ICPT), Feb. 2012) ▪ “Host–guest system of Etodolac in native and modified β-Cyclodextrins: preparation and physicochemical characterization”, (Journal of Inclusion Phenomena and Macrocyclic Chemistry August 2012) ▪ Tailoring of selenium-plated Novasomes for fine -Tuning pharmacokinetic and Tumor Uptake of Quercetin:In VitroOptimization and In vivo Radiobiodistribution Assessment in Ehrlich Tumor-Bearing Mice (Pharmaceutics2022,14,x.https://doi.org/10.3390/) ▪ Vardenafil Oral Dispersible Films(ODFs)with Advanced Dissolution ,Palatability ,and Bioavailability (Pharmaceutics 2022,14,x.https://doi.org ▪ Experimental Design and Optimization of Namo-Transfersomal Gel to Enhance the Hypoglycemic Activity of Silymarin .(Polymers 2022,14,x.http://doi.org. ▪ Exploration of the Safety and Solubilization,Dissolution ,Analgesic Effects of Common Basic Excipients on NSAID Drug Ketoprofen(Pharmaceutics 2023 ,15,713) 	
PERSONAL SKILLS	<p>Language</p> <ul style="list-style-type: none"> ▪ Arabic (Mother Tongue). ▪ Fluent in both spoken and written English. ▪ Fair Knowledge of Japanese. <p>Others</p> <ul style="list-style-type: none"> ▪ Strong Leadership ability. ▪ Excellent Planning and Management Skills. ▪ Excellent Conceptual and analytical skills. ▪ Excellent communication & Negotiation skills. ▪ Able to work and travel abroad. ▪ Able to work extended hours. 	
PERSONAL DATA	Date of Birth	07 January 1968.
	Nationality	Egyptian.
	Marital Status	Married.
	Military Service	Exempted.