

## Research and review articles published or accepted for the Academic Year 2007-2008

### DEPARTMENT OF PHARMACOLOGY AND THERAPEUTICS

Sharma, J. N. (2008). Cardiovascular activities of the bradykinin system. *The Scientific World Journal (USA)* 8: 384-393.

Sharma, J. N., Al-Omran, A and Parvathy, S. S. (2007). Role of nitric oxide in inflammatory diseases. *Inflammopharmacology (U.K.)* 15: 252-259

Sharma, J. N. and Kesavarao, U. (2007). Changes in plasma prekallikrein activity, blood pressure and left ventricular thickness in hypertensive and normotensive diabetic rats. *Methods and Findings in Experimental and Clinical Pharmacology (Spain)* 29: 75- 78.

Sharma, J. N. (2007). The kinin-forming system and cardiovascular disorders. *Journal Salud (i) Ciencia (Argentina)* 15: 972-976.

Ananthalakshmi, K.V.V., Bartl, T., Aziza, M.H., Novotný, L., Marek, R., Beneš, L., Kombian, S.B. Synthesis and structure-activity relationship studies of theophylline analogs on population responses in the rat hippocampus *in vitro*. *Bioorg. & Med. Chem.* 16 (17), 8142-8150 (2008). IF= 2.29

Kombian, S.B., Ananthalakshmi, K.V.V. and Edafiogho, I.O. Norepinephrine and E139 interactions on epileptiform activity in the rat hippocampus *in vitro*. *Med. Princ. Pract.*, 17(5), 365-372 (2008). IF= 0.57

Ananthalakshmi, K.V.V., Edafiogho, I.O. and Kombian, S.B. Anticonvulsant enaminone E139 suppresses epileptiform activity in the rat hippocampal slices. *Epilepsy Research*, 76, 85-92 (2007). IF= 2.088

Matar K. (2008) Quantification of levetiracetam in human plasma by liquid chromatography-tandem mass spectrometry: application to therapeutic drug monitoring. *J Pharm Biomed Anal.* 48: 822 – 828.

Ahmed Z El-Hashim, PhD; Heba T Abduo, BPharm; Ousama M Rachid, MSc; Yunus A Luqmani, PhD; Bushra. Y Al Ayadhy, MD, PhD; Ghanim M Al-Khaledi, MD. Intranasal administration of NECA can induce both anti-inflammatory and pro-inflammatory effects in BALB/c mice: evidence for A2A receptor-subtype mediation of NECA-induced anti-inflammatory effects. Accepted in *Pulmonary Pharmacology and Therapeutics*

### DEPARTMENT OF PHARMACEUTICS

Nada, A.H., Sharaf, M.A., El Gholmy, Z.A., Khalafallah, N.M., Comparative Bioavailability and Pharmacokinetics of Norfloxacin Tablets Based on Blood and Urine Data. *Medical Principles and Practice*, 16, 426-431 (2007).

*N.B. The paper appeared in the list of Top 10 articles-June 2008 on the Karger website ([www.karger.com](http://www.karger.com)).*

Khattab, I.S. Al-Saidan, S.M., Nada, A.H., Zaghloul, A.A., Using factorial design to improve the solubility and in-vitrodissolution of nimesulide hydrophilic polymer binary systems, *Drug Discoveries and Therapeutics*, 2, 122-127 (2008).

Ibrahim S Khattab, Abdel-Azim A Zaghloul, Mohsen Afouna, Studies on the development of rapidly disintegrating hyoscine butylbromide tablets, *Drug Discov Ther* 2007; 1(1):61-64.

Khattab IS. Studies on development of insoluble drugs as pharmaceutical suspensions by response surface methodology. *Pharmazie*, 63(10): 726-730 (2008).

Zaghloul A. A., Taha E., Afouna M., Khattab I., Nazzal S., Ex vivo mucoadhesion and in vivo bioavailability assessment and correlation of ketoprofen tablet dosage form containing bioadhesives. *Pharmazie*, 62, 346-350 (2007).

Zaghloul A., Khattab I., Nada A., Al-Saidan S. Preparation, characterization and optimization of probucol self-emulsified drug delivery system to enhance solubility and dissolution. *Die Pharmazie*, (in press).

Krishnaiah YSR, Rama B, Raghumurthy V, Ramanamurthy KV, Satyanarayana V (2008). Effect of PEG6000 on the *in vivo* and *in vivo* transdermal permeation of ondansetron hydrochloride from EVA1802 membranes. *Pharmaceutical Development and Technology*, DOI: 10.1080/10837450802409404.

Krishnaiah YSR, Srinivas BP (2008). Effect of 5-Fluorouracil Pretreatment on the *In Vitro* Drug Release from Colon-targeted Guar Gum Matrix Tablets. *The Open Drug Delivery Journal*, 2: 71-76.

Krishnaiah YSR, Raju V, Shiva Kumar, Rama B, Raghumurthy V, Ramanamurthy KV (2008). Studies on optimizing *in vitro* transdermal permeation of ondansetron hydrochloride using nerodilol, carvone and limonene as penetration enhancers. *Pharmaceutical Development and Technology* 13: 177-185. .

Krishnaiah YSR, Shiva Kumar M, Raju V, Lakshmi M, Rama B (2008). Penetration enhancing effect of ethanolic solution of menthol on transdermal permeation of ondansetron hydrochloride across rat epidermis. *Drug Delivery*, 15: 227-234.

Krishnaiah YSR, Al-Saidan SM (2008). Limonene enhances the *in vitro* and *in vivo* permeation of trimetazidine across a membrane-controlled transdermal therapeutic system. *Current Drug Delivery*, 5: 70-76.

Krishnaiah YSR, Al-Saidan SM (2008). Transdermal Permeation of Trimetazidine from Nerodilol-based HPMC Gel Drug Reservoir System across Rat Epidermis. *Medical Principles and Practice*, 17: 37-42.

## **DEPARTMENT OF PHARMACEUTICAL CHEMISTRY**

### ***Published Research articles:***

Denola, N., Quiming, N., Catabay, AP., Saito, Y. and Jinno, K. 2008. Effects of alcohols on CE enantioseparation of basic drugs with native  $\gamma$ -cyclodextrin *J. Sep. Sci.* 4(14):2701-2706.

Quiming NS, Denola, NL, Saito Y, Catabay AP and Jinno K, 2008. Chromatographic behavior of uric acid and methyl uric acids on a diol column in hydrophilic interaction chromatography, *Chromatographia* 67:507-515.

Phillips OA; Abdel-Hamid ME (2008). Determination of novel antibacterial triazolymethyl oxazolidinones concentrations in human plasma by APCI-LC-MS: Application to stability study. *J. Pharm Pharmceut Sci* 11(2):22s-31s.

Phillips OA; Udo EE; Samuel S. (2008). Synthesis and structure-antibacterial activity of triazolyl oxazolidinones containing long chain acyl moiety. *Europ. J. Med. Chem.* 43:1095-1104.

El-Zawahri M; Luqmani YA (2008). Molecular genotyping and frequencies of A1, A2, B, O1 and O2 alleles of the ABO blood group system in a Kuwaiti population. *Int J Hematol* DOI 10.1007/s12185-008-0036-0.

Novotny L; Mego M; Saiko P; Schott H; Szekeres T (2007). *In vitro* and *in vivo* antileukemic effect of novel dimers consisting of arabinofuranosylcytosine and 5-fluorodeoxyuridine. *Neoplasma* 54, 2007, 68-74.

Abdel-Hamid ME; Klara T; Sharaf LH; Ramadan DG (2007). Development, validation and application of tandem mass spectrometry for screening of inborn metabolic disorders in Kuwaiti infants, *Med Principles & Practice* 16, 215- 221.

Al-Lanqawi Y; Capps PAG; Abdel-Hamid ME; Abdulmalek K; Phillips OA; Matar K, Sharma PN (2007). Therapeutic drug monitoring of gentamicin: evaluation of five monograms for initial dosing at Al-Amiri hospital. *Medical Principles and Practice* 16, 348-354.

#### **Review articles:**

Orabi KY (2008). The Pharmacy of the Sea. *Kuwait Pharmacy Bulletin*, 12 (3), 1-6.

Novotny L; Rauko P; Cojocel C (2007). Alpha-Lipoic acid – the potential for use in cancer therapy. *Neoplasma* 55, 2008, 81-86.

#### **DEPARTMENT OF PHARMACY PRACTICE**

Al-Lanqawi Y, Capps P, Abdel-Hamid ME, Abdulmalek K, Phillips D, Matar K, Sharma PN, Thusu A. Therapeutic Drug Monitoring of Gentamicin: Evaluation of Five Nomograms for Initial Dosing at Al-Amiri Hospital in Kuwait. *Med Princ Pract* 2007: 16 (5): 348-354.

Ball D, Norris P, Enlund H, Tagwireyi D, Awad A. Diversity amongst international pharmacy students. *Pharmacy Education* 2007: 7 (4) 379-386.

Awad AI, Shahd Al-Rabiy, Abahussain E. Self –medication Practices among Diabetic Patients in Kuwait. *Med Princ Pract* 2008: 17(4):315-20.

Abdelhamid E, Awad AI, Gismallah A. Evaluation of a hospital pharmacy-based pharmaceutical care services for asthma patients. *Pharmacy Practice* 2008: 6(1): 25-32.

Awad AI, Fatma Sarkhoo. Public Knowledge and Attitudes toward Epilepsy in Kuwait. *Epilepsia* 2008: 49 (4):564-72.

Matowe WC, Abahussain E, Awad AI, Capps PAG. Self-monitoring of Blood Pressure and the Role of Community Pharmacists in Kuwait. *Med Princ Pract* 2008;17(1):27-31.

Saastamoinen L, Enlund H, Klaukka T. Repeat prescribing in primary care: A prescription study. *Pharmacy World and Science* 2008; 30:605-609.

Buabeng K, Duwiejua M, Matowe L, Smith F, Enlund H. Availability and choice of anti-malarials at medicine outlets in Ghana: The question of access to effective medicines for malaria control. *Clin Pharmacol Ther* 2008; 84:613-619.

Al-Lanqawi Y, Capps P, Abudlmalek K, Al-Anezi K, Thusu A, Sharma P. Clinical pharmacokinetics of gentamicin: estimation of initial dosing parameters in hospitalized patients at Al-Amiri hospital Kuwait. *Med Princ Pract* 2008 (accepted).

Hiitola P, Enlund H, Sulkava R, Kettunen R, Hartikainen S. Postural changes in blood pressures and prevalence of orthostatic hypotension among home-dwelling elderly aged 75 years and more. *J Human Hypertension* 2008 (accepted).

Edafiohio IO, Phillips OA, Udo EE, Samuel S, Retish B. Synthesis, antibacterial and anticonvulsant evaluations of some cyclic enaminones. *European J Med Chem* 2008 (accepted)