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PERSONAL DETAILS

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PUBLICATIONS

A. Papers in Refereed Journals (Published)

- 1) **Shiran, M.-R.**, Lennard, M.S., Iqbal, M.-Z., Lagundoye, O., Seivewright, N., Tucker, G.T., Rostami-Hodjegan, A. Pharmacokinetic-pharmacodynamic modeling of mood and withdrawal symptoms in relation to plasma concentrations of methadone in patients undergoing methadone maintenance treatment . Journal of Clinical Psychopharmacology 2012 ,32 (5) , pp. 666-671
- 2) Hashemi-Soteh, S.M.B., Shahabi-Majd, N., Gholizadeh, A.-R., **Shiran, M.-R.** Allele and genotype frequencies of CYP2C9 within an Iranian population (Mazandaran). Genetic Testing and Molecular Biomarkers 2012, 16 (7) , pp. 817-821

- 3) Zarghami, M., Masoum, B., **Shiran, M.-R.** Tramadol versus methadone for treatment of opiate withdrawal: A double-blind, randomized, clinical trial *Journal of Addictive Diseases* 2012, 31 (2) , pp. 112-117
- 4) Hashemi-Soteh, S.M.B., Sarzare, F., Merat, F., Salehifar, E., **Shiran, M.-R.** Frequencies of three CYP2D6 nonfunctional alleles (CYP2D6*3, *4, and *6) within an Iranian population (Mazandaran) *Genetic Testing and Molecular Biomarkers* 2011, 15 (11) , pp. 821-825
- 5) Mirhosseini, N., Najafi, N., **Shiran, M.R.**, Moghadamnia, A.A. Pharmacokinetics characteristics of clomiphene citrate in patients with polycystic ovary syndrome (PCOS) *Journal of Babol University of Medical Sciences* 2011
- 6) **Shiran, M.-R.**, Hosseinzadeh, R., Hamidikenari, A., Zarghami, M., Lamsehchi, N., Rafati, M.-R. Population pharmacokinetics and pharmacokinetic-pharmacodynamic relationships of methadone in a sample of Iranian (Mazandarani) opiate users undergoing methadone maintenance treatment *Iranian Journal of Psychiatry and Behavioral Sciences* 2011, 5 (2) , pp. 53-61
- 7) **Shiran, M.R.**, Gharooee Ahangar, S., Rostamkolae, S., Sefidgar, S.A.A., Baradaran, M., Hashemi, M., Baleghi, M., Moghadamnia, A.A. Phenotyping of CYP3A by oral midazolam in healthy Mazandarani volunteers (Iran) *Journal of Babol University of Medical Sciences* 2011, 13 (4)
- 8) **Shiran, M.R.**, Sarzare, F., Merat, F., Salehifar, E., Moghadamnia, A.A., Soteh, S.M.B.H. Metabolic capacity of CYP2D6 within an Iranian population (mazandaran province) *Caspian Journal of Internal Medicine* 2011, 2 (2) , pp. 213-217
- 9) Cyrus Ghobadi, Nahid Mirhosseini, **Mohammad Reza Shiran**, Ali Moghadamnia, Martin S. Lennard, William L. Ledger, and Amin Rostami-Hodjegan (2009). Single-Dose Pharmacokinetic Study of Clomiphene Citrate Isomers in Anovular Patients With Polycystic Ovary Disease. *J. Clin. Pharmacol.*, 49: 147 - 154.
- 10) **Mohammad-Reza Shiran**, Martin S. Lennard, Mohammad-Zafar Iqbal, Oldwale Lagundoye, Nicholas Seivewright, Geoffrey T. Tucker & Amin Rostami-Hodjegan (2009). Contribution of the activities of CYP3A, CYP2D6, CYP1A2 and other potential covariates to the disposition of methadone in patients undergoing methadone maintenance treatment. *B J Clin Pharmacol* 67(1); 29-37
- 11) **Shiran, M.R.**, Proctor, N., Howgate, E.M., Rowland-Yeo, k., and Tucker, G.T., Rostami-Hodjegan, A. (2006). Prediction of human xenobiotic clearance: *In vitro* - *in vivo* extrapolation (IVIVE) vs allometric scaling. *Xenobiotica* 36 (7):567-580
- 12) **Shiran, M.R.**, Lennard, M.S., Iqbal, M.Z., Lagundoye, O., Seivewright, N., and Tucker, G.T, Rostami-Hodjegan, A. (2005). Can saliva replace plasma for the monitoring of methadone? *Ther Drug Monit.* 27(5); 580-586.

- 13) **Shiran, M.R.**, Chowdry, J., Rostami-Hodjegan, A., Ellis, S.W., Lennard, M.S., Iqbal, M.Z., Lagundoye, O., Seivewright, N., and Tucker, G.T. (2003). Discordance between cytochrome P450 2D6 genotype and phenotype in patients undergoing methadone maintenance treatment. *British Journal of Clinical Pharmacology*. 56(2); 220-224.
- 14) **Shiran, M.R.**, Gregory, A., Rostami-Hodjegan, A., Tucker, G.T., and Lennard, M.S. (2003). Determination of midazolam and 1'-hydroxymidazolam by liquid chromatography-mass spectrometry in plasma of patients undergoing methadone maintenance treatment. *Journal of Chromatography B-Analytical Technologies in the Biomedical and Life Sciences*. 783(1); 303-307.
- 15) Rostami-Hodjegan, A., **Shiran, M.R.**, Tucker, G.T., Conway, B.R., Irwin, W.J., Shaw, L.R., and Grattan, T.J. (2002). A new rapidly absorbed paracetamol tablet containing sodium bicarbonate. II. Dissolution studies and in vitro/in vivo correlation. *Drug Development and Industrial Pharmacy*. 28(5); 533-543.
- 16) Rostami-Hodjegan, A., **Shiran, M.R.**, Ayesh, R., Grattan, T.J., Burnett, I., Darby-Dowman, A., and Tucker, G.T. (2002). A new rapidly absorbed paracetamol tablet containing sodium bicarbonate. I. A four-way crossover study to compare the concentration-time profile of paracetamol from the new paracetamol/sodium bicarbonate tablet and a conventional paracetamol tablet in fed and fasted volunteers. *Drug Development and Industrial Pharmacy*. 28(5); 523-531.

B. Conference Proceedings and other Publications

- 1) C. Ghobadi1, S, N. Mir-Hosseini, **M.R. Shiran**, W.L. Ledger, M.S Lennard, A. Rostami-Hodjegan (2008). Pharmacokinetics of oral single dose clomiphene citrate (CC) in polycystic ovary syndrome (PCOS) patient with anovulatory infertility. Submitted to BJCP. Submitted to PAGE meeting next month.
- 1) **Shiran, M.R.**, Proctor, N., Howgate, E.M., Rowland-Yeo, K., and Tucker, G.T., Rostami-Hodjegan, A. (2005). Prediction of human xenobiotic clearance: *In vitro* - *in vivo* extrapolation (IVIVE) vs allometric scaling (AS). The proceeding of World Congress on PharmSciFair & Exhibition, Nice (France), June 12-17 2005.
- 2) **Shiran, M.R.**, Rostami-Hodjegan, A., Lennard, M.S., Iqbal, M.Z., Lagundoye, O., Seivewright, N., and Tucker, G.T. (2004). Use of saliva for therapeutic drug monitoring (TDM) of methadone: Role of saliva pH. The proceeding of 8th World Congress on Clinical Pharmacology & Therapeutics Brisbane (Australia), August 1-6, 2004.
- 3) **Shiran, M.R.**, Rezaee, S., Lennard, M.S., Tucker, G.T., and Rostami-Hodjegan, A. (2004). The influence of compliance with therapy in estimating methadone pharmacokinetic parameters. The proceeding of 8th World Congress on Clinical Pharmacology & Therapeutics Brisbane (Australia), August 1-6, 2004..

- 4) **Shiran, M.R.**, Rostami-Hodjegan, A., Lennard, M.S., Iqbal, M.Z., Lagundoye, O., Seivewright, N., and Tucker, G.T. (2004). Cytochrome P450 activity and plasma methadone concentration in patients undergoing methadone maintenance treatment (MMT). The proceeding of 8th World Congress on Clinical Pharmacology & Therapeutics Brisbane (Australia), August 1-6, 2004.
- 5) Rostami-Hodjegan, A., Rezaee, S., **Shiran, M.R.**, Newbold, S.G., Lennard, M.S., Grünewald, R.A., and Tucker, G.T. (2004). Assessment of CYP1A2 activity from caffeine (CA) half-life using saliva samples and POPPK. The proceeding of 8th World Congress on Clinical Pharmacology & Therapeutics Brisbane (Australia), August 1-6, 2004.
- 6) **Shiran, M.R.**, Chowdry, J., Rostami-Hodjegan, A., Ellis, S.W., Lennard, M.S., Iqbal, M.Z., Lagundoye, O., Pratt, P., Seivewright, N., and Tucker, G.T. (2003). A discordance of CYP2D6 genotype and phenotype in patients undergoing methadone maintenance treatment. *British Journal of Clinical Pharmacology*. 55(4); 439-439.
- 7) **Shiran, M.R.**, Rostami-Hodjegan, A., Lennard, M.S., Iqbal, M.Z., Lagundoye, O., Seivewright, N., and Tucker, G.T. (2003). Duration of methadone effect on Mood state is shorter than its effect on Subjective Opiate Withdrawal Score in patients undergoing methadone maintenance therapy (MMT). The proceeding of 6th Congress on European Association for Clinical Pharmacology & Therapeutics. Istanbul (Turkey), June 24-28, 2003.
- 8) **Shiran, M.R.**, Rostami-Hodjegan, A., Abdul-Manap, R., Lennard, M.S., and Tucker, G.T. (2003). Optimal number of subjects and sampling time to assess CYP2D6 activity using the plasma dextromethorphan/dextrophan metabolic ratio. *British Journal of Clinical Pharmacology*. 55(4); 439-440.
- 9) **Shiran, M.R.**, Rostami-Hodjegan, A., Lennard, M.S., Iqbal, M.Z., Lagundoye, O., Pratt, P., Seivewright, N., and Tucker, G.T. (2003). The activities of CYPs 3A4, 2D6 and 1A2 in methadone maintenance patients. *British Journal of Clinical Pharmacology*. 55(4); 419-420.
- 10) **Shiran, M.R.**, Abdul-Manap, R., Rostami-Hodjegan, A., Lennard, M.S., and Tucker, G.T. (2002). Optimal sampling time to assess CYP2D6 activity using the plasma dextromethorphan/dextrophan metabolic ratio. *Journal of Psychopharmacology*. 16(3); H6.
- 11) **Shiran, M.R.**, Rostami-Hodjegan, A., Lennard, M.S., Iqbal, M.Z., Lagundoye, O., Pratt, P., Seiveright, N., and Tucker, G.T. (2002). CYP2D6 activity in methadone maintenance patients. *Journal of Psychopharmacology*. 16(3); F2.
- 12) **Shiran, M.R.**, Rostami-Hodjegan, A., Lennard, M.S., Iqbal, M.Z., Lagundoye, O., Pratt, P., Seiveright, N., and Tucker, G.T. (2002). CYP1A2 activity in methadone maintenance patients. *Journal of Psychopharmacology*. 16(3); F1.

- 13) Rostami-Hodjegan A, **Shiran MR**, Tucker GT, Conway B, Irwin W, Shaw L, Darby-Dowman A and Grattan TJ. Panodil Zapp®, a new rapidly absorbed paracetamol tablet: Dissolution studies and in vitro/in vivo correlation, les World Conference on Drug Absorption and Delivery – Benefiting from the New Biology and Informatics. 18-20 June 2001, Copenhagen, Denmark
- 14) Rostami-Hodjegan A, Yang JS, **Shiran MR**, Grattan TJ, Tucker GT. Panodil Zapp®, a new rapidly absorbed paracetamol tablet: Clinical trial simulations to assess the profile of analgesic effects vs conventional paracetamol tablets, World Conference on Drug Absorption and Delivery – Benefiting from the New Biology and Informatics. 18-20 June 2001, Copenhagen, Denmark.