

Mohamed Amin Fouda, PhD.

Lecturer and Researcher of Alexandria Univ. in Medical Sciences

Department of Pharmacology and Toxicology

Faculty of Pharmacy, Alexandria University

Alazarita 21521, Alexandria, Egypt

Tel: (+2014)971-3482 (cell), (+203)542-8921 (H)

Fax: (+203)487-3273

Email: mhmmd_fouda@live.com

Personal information

Date of Birth: 17/9/1985

Living City: Alexandria

Country: Egypt

Nationality: Egyptian

Qualifications

2014 PhD., Pharmacology, entitled "Role of estrogenic pathways of nitric oxide synthase and heme oxygenase in the hemodynamic effects of nicotine in female rats". Department of Pharmacology, Faculty of Pharmacy, Alexandria University, Egypt.

2011- present Special PhD courses in Toxicology, Biochemistry, clinical pharmacokinetics and seminar.

2010 M.S., Pharmacology, entitled "Estrogen modulation of the adverse Cardiovascular effects of nicotine in female rats". Department of Pharmacology, Faculty of Pharmacy, Alexandria University, Egypt.

2008-2009 Master postgraduate special courses in Advanced Biochemistry, Advanced Pharmacology, special courses in Antibiotics, Biostatistics, Advanced Toxicology, Advanced Therapeutics and drug interactions with total GPA of 3.4.

2007 B.S., Pharmacy, with the grade of Distinction Honor, Faculty of Pharmacy, Alexandria University, Egypt.

Career History

2014- Lecturer, Dept. of Pharmacology, Faculty of Pharmacy, Alexandria University, Egypt.

2007- Instructor, Dept. of Pharmacology, Faculty of Pharmacy, Alexandria University, Egypt.

Teaching

Pharmacology and Toxicology, undergraduate pharmacy students, Alexandria University, Egypt.

..Biochemistry and Bioassay, undergraduate pharmacy students, Alexandria University, Egypt.

..Cell biology, Clinical program undergraduate pharmacy students, Alexandria University, Egypt.

. Clinical biochemistry , Clinical program undergraduate pharmacy students, Alexandria University, Egypt.

. Therapeutics, Clinical program undergraduate pharmacy students, Alexandria University, Egypt.

Research interests (Cardiovascular)

The detrimental effects of drugs of abuse, namely and nicotine, the cellular and molecular aspects of these interactions and the roles of gonadal hormones and sexual dimorphism in the modulation of cardiovascular influences of these drugs are prime objectives for our research.

International peer-reviewed research papers (5)

Allam AN, Komeil IA, **Fouda MA** and Abdallah OY (2015): Preparation, characterization and in vivo evaluation of curcumin self-nano phospholipid dispersion as an approach to enhance oral bioavailability. Int J Pharm. 489:117-23.

Fouda MA, El-Gowell HM, El-Gowilly SM, Rashed L and El-Mas MM (2014): Impairment of nitric oxide synthase but not heme oxygenase

accounts for baroreflex dysfunction caused by chronic nicotine in female rats. PLoS One. 28;9(5):e98681.

El-Mas MM, El-Gowellli HM, El-Gowilly SM, **Fouda MA** and Helmy MM (2012): Estrogen provokes the depressant effect of chronic nicotine on vagally mediated reflex chronotropism in female rats. J Pharmacol Exp Ther. 342(2):568- 575.

El-Mas MM, El-Gowilly SM, **Fouda MA** and Saad EI (2012): Role of adenosine A2A receptor signaling in the nicotine-evoked attenuation of reflex cardiac sympathetic control. Toxicol Appl Pharmacol. 1;254(3):229-37.

El-Mas MM, **Fouda MA**, El-Gowilly SM and Saad EI (2011): Central estrogenic pathways protect against the depressant action of acute nicotine on reflex tachycardia in female rats. Toxicol Appl Pharmacol. Toxicol Appl Pharmacol. 1: 258:410-417.

Published Abstracts (7)

1. El-Mas MM, El-Gowellli HM, Fouda MA, and El-gowilly SM: The interplay between heme oxygenase and nitric oxide synthase and downstream PI3K/sGC/ERK signaling ameliorates the estrogen-dependant depressant effect of chronic nicotine on reflex bradycardia. FASEB J. 2014. 28:837.2.

2. El-Mas MM, El-Gowellli HM, Fouda MA, and El-gowilly SM: Modulation of the baroreflex depressant effect of chronic nicotine in female rats by nitric oxide synthase and heme oxygenase. FASEB J. 2013 27:654.5.

3. El-Mas MM, El-Gowellli HM, Fouda MA, and El-gowilly SM: Inhibition of the estrogen-mediated cardiac vagal control accounts for the baroreflex

depressant effect of chronic nicotine in female rats. FASEB J 2012, 26:1124.9

4. El-Mas MM, El-Gowellli HM, Fouda MA, Helmy MM. Dose Dependency and autonomic modulation of the depressant effect of chronic nicotine on reflex chronotropic responses in female rats. FASEB J 2011, 25, 1084.1

5. El-Mas MM, El-gowilly SM, Fouda MA, Saad EI. Central adenosine receptors differentially contribute to the nicotine-induced attenuation of reflex tachycardic responses to baroreceptor unloading. FASEB J 2011, 25, 1084.3

6. El-Mas MM, El-gowilly SM, Fouda MA, and Saad EI. Acute nicotine attenuates reflex tachycardia in male rats via inhibition of baroreceptor-mediated cardiac sympathetic control. FASEB J 2010, 24, 961.2

7. El-Mas MM, El-gowilly SM, Fouda MA, and Saad EI. Estrogen Protects Female Rats Against The Nicotine-Induced Attenuation Of Reflex Tachycardia: Role Of Central Estrogen Receptors. FASEB J 2010, 24, 961.3.

Research techniques:

- . Conscious intravascular cannulation and measurement of conscious blood pressure
- . Isolated perfused kidney isolation
- . Homogenization of different tissues isolated from rats
- . Biochemical measurements of plasma urea, creatinine , nitric oxide and estradiol.
- . Intracisternal cannulation in rats
- . Ovariectomy of female rats
- . Usage of AD (powerlab instrument)

