

DEPARTMENT OF PHYSIOLOGY
 Medical Research Institute
 ALEXANDRIA UNIVERSITY, EGYPT

Name	Mona Ibrahim Shehata Moustafa
Current academic degree	Professor at physiology department
Email address	Mona_mri@yahoo.com
Professional activities	<p>1-Participating in teaching Physiology to MSC and PhD students in postgraduate program of MRI.</p> <p>2-Participating in practical ,written ,Oral exam work and in correcting exams to postgraduate students of MRI.</p> <p>3-Participating in scientific meetings that are held in Physiology department in MRI every month.</p> <p>4-Course co-ordinator of Elementary Physiology I in Physiology department in MRI.</p> <p>5-Participating in judgment of protocols in MRI.</p> <p>6-Participating in theses judgment committee at Faculty of Science.</p> <p>7-Participating in scientific journals and medical associations :</p> <p>The journal of MRI.</p> <p>The Egyptian association of advancement of medical basic sciences (EMBS).</p>
<u>Attended conferences:</u>	<p>Medical Research Institute conferences</p> <p>EMBS conference</p>

<p>Active participation (speaker/ chairman)</p> <p>Attendance</p>	<p>Physiological conferences held at the faculty of medicine</p> <p>Yes</p>
<p><u>Publications:</u></p>	<p>1- " Effect of raloxifen on some cognitive markers and homocystein level in ovariectomized rats" 2017</p> <p>Under publication in Egyptian Journal of Biomedical science</p> <p>2- Shady H. Tawfik, Bothaina F. Mahmoud, Mohamed I. Saad, Mona Shehata, Maher A. Kamel, and Madiha H. Helmy. Similar and Additive Effects of Ovariectomy and Diabetes on Insulin Resistance and Lipid Metabolism. Biochemistry Research International 2015; 2015: 8 pages</p> <p>3- Mona Shehata, Maher Abd El-nabi Kamel. Protective effect of antioxidant adjuvant treatment with hormone replacement therapy against cardiovascular diseases in ovariectomized rats. Endocrine Regulation 2008; 42:69-75.</p> <p>4- Maher Abd El-nabi Kamel and Mona Shehata. Effect of Toluene exposure on the antioxidant status and apoptotic pathway in organs of rat. British Journal Of Biomedical Science 2008 65(2.(</p> <p>5- Nabil Mikhail, Mona Shehata, maher Abd El-nabi Kamel, mona rashad, Sherine Abd El-Malak Sultan. The protective effect of antioxidants on renal ischemia-reperfusion injury in the rat. The Journal of the Egyptian Society of Endocrinology,</p>

metabolism and Diabetes, 2008; 40(1.(

6- Magda Mohassaeb, Mona Shehata, Hoda Nour. Effect of hyper-homocysteinemia on erythrocyte function and its impact on erythropoiesis in experimental rats. The journal of the Egyptian Society of Endocrinology, metabolism and Diabetes, 2008; 40(1.(

7- Mona Shehata and Amal Soliman. Effect of swimming exercise on lipid peroxidation, leptin-insulin axis and brain Na⁺-k⁺-ATPase enzymatic activity in rats. The journal of the Egyptian Society of Endocrinology, metabolism and Diabetes, 2007; 39(1): 101-108.

8- Nabil Mikhail, Amal Wadie, Farida Mansour, Nagwa Megahed, Mervat El-Toukhy, Mona Shehata, Abd El Naser I. Adam, Mamdouh El-Yamani. Functional significance of lipid changes under the effect of inhalational anesthetic. The journal of the Egyptian Society of Endocrinology, metabolism and Diabetes, 2007; 39(1): 77-84.

9- Nabil Mikhail, Mona Shehata, Mona Rashad, M. Yosry, Sherine Abd El-Malak Soltan. Effect of hemodialysis on hexose monophosphate pathway of red blood cells in end stage renal disease patients. The journal of the Egyptian Society of Endocrinology, metabolism and Diabetes, 2006; 38(1.(

10- Nabil Mikhail, Magda Mohasseb, Mona Shehata, Mamdouh El-yamani. Pathophysiological effect of mobile phone radiations on the brain. An experimental study. Bulletin of High Institute of Public Health 2005; 35(2):281-290.

- 11- Hoda Nour, Azza Saad, Mona Shehata, Magda Mohasseb, Mamdouh El-Yamani. Association between serum OPG/s Rankl system and leptin with aging in male rats. Bulletin of Alexandria Faculty of Medicine 2005; 41(4):765-771.
- 12- Hoda Nour, Samia Ebaid, Samia Elewa, Mona Shehata, Omar El-Ghamrawy. Dysfunctional nitric oxide and 8-epi-prostaglandin F₂ α synthesis in healthy smokes. Bulletin of High Institute of Public Health 2005; 35(2):291-302.
- 13- Nabil Mikhail, Mona Shehata, Adel Michail. Osmotic fragility of normal human red blood cells (RBC) in solutions of different combinations of cations and anions. J MRI 2002; 23(2): 108-116.
- 14- Azza Saad Abdou, Yosria El-Sayed, Mona Shehata, Magda Mohasseb, Wafaa Abd El Rehim. Effect of thyroid stutus on erythrocyte membrane sodium-potassium adenosine triphosphate and phospholipids in relation to plasma nitric oxide. Alexandria Medical J 2002; 44(2): 405-423.
- 15- Mona Shehata, Wafaa M. Abdel Rehim, Amal S.M. Soliman. Alterations of lipid profile, insulin and bile acids in patients with and without gallstones: Role of lipid peroxidation in gallstones formation. Bull Alex Fac Med 2001; 37(1): 131-138.
- 16- Nabil Mikhail, Mona Shehata, Wafaa M. Abdel Rehim. Effect of Dietary garlic supplementation on lipid profile, oxidant-antioxidant status and aortic mechanical properties in experimental atherosclerosis. J MRI 2001; 22(2):

148-162.

- 17- Magda Mohasseb, Mona Shehata, Morsi MI. Relationship between insulin sensitivity and plasma leptin in non diabetic offsprings of individuals with type II diabetes. J MRI 2000; 21(1): 102-114.
- 18- Hoda Nour, Adam Al, Mona Shehata. Effect of antioxidants (vitamin C and vitamin A) on gentamicin mediated nephropathy in rats. Bull Alex Fac Med 1998; 34(4): 483-490.
- 19- Azza Saad Abdou, Mona Shehata, Amal M. Soliman. Effect of smoking on lipid profile, erythrocyte function and free radical markers in female subjects. J MRI 1998; 19(3): 128-140.
- 20- Nabil Mikhail, Mona Shehata, Maha M. Attia. Effect of exposure of rats to low frequency electromagnetic field (E.M.F) on the RBC, heart, kidney and liver. J MRI 1998; 19(3): 13-22.
- 21- Alaam AF, El-Sayad M, Mona Shehata, Abdel Rehim WM. Effect of triclabendazol treatment on lipid peroxides and erythrocyte glutathione reductase in acute and chronic human fascioliasis. J MRI 1998; 19(1): 42-51.
- 22- Nader Mwafi, M. Yosry, Hoda Nour, Raifa Eid, S. El-Banawy, Laila Fahmy, Mona Shehata. The linkage of ANP level to Na⁺-K⁺-ATPase osmotic fragility under the effect of mannitol in CRF patients. Bulletin of Alexandria Faculty of Medicine 1997; 33(1):333-340.
- 23- Nabil Mikhail, H. Nour, A. Wadie, B. Mina, Mona Shehata, N-El Domiaty. Uraemic toxins, The

	<p>Blood Brain Barrier and Uraemic Encephalopathy in Experimental Uraemic Rats. Bulletin of Alexandria Faculty of Medicine 1992; 28(1):141-147.</p>
<p><u>Supervised theses:</u> <u>Master degree:</u></p>	<p>1-Effect of ovarian steroid hormones on the perilipin in diabetic female rats. (Finished)</p> <p>2-The role of peroxisome proliferator activated receptor γ (PPAR γ) in insulin resistance induced Alzheimer's disease pathophysiology : Therapeutic implication. (Finished)</p> <p>3-Comparative effects of raloxifene and estrogen replacement therapy on some biochemical parameters in ovariectomized rats. (Finished)</p> <p>4-The effect of rosemarines officinalis on mammary tumor in rat induced by N-nitro-N methylurea (NMU). (Finished)</p>
<p><u>Ph D:</u></p>	<p>1- The protective effect of antioxidants on renal ischemia-reperfusion injury in the rat. (Finished)</p> <p>2-Effect of erythropoietin on some cognitive markers in streptozotocin induced diabetes in male rats. (Still working on it)</p>
<p>Attended training courses</p>	<p>Yes, practical lessons held at the department</p>
<p>Achievements :</p>	<p>Prizes : Scientific Encouragement Award (2004)</p>