

Curriculum Vitae

Dr. Mohamed Adel Mohamed Mahmoud Abul- Enein



Mohamed Adel Mohamed Mahmoud

Age: 45, Married, **Mother Language:** Arabic
Physiology Department, Faculty of
Medicine,

Mansoura University, Mansoura, Egypt.

E-mail: madel7744@yahoo.com

madel@mans.edu.eg

Employment History

- **10/6/2003– 30/3/2009 Demonstrator, Physiology** Department – Faculty of **Medicine** - Mansoura University, Egypt.
- **31/3/2009: Assistant Lecturer,** Physiology Department – Faculty of **Medicine** - Mansoura University, Egypt.
- **26/8/2013: Lecturer,** Physiology Department – Faculty of **Medicine** - Mansoura University, Egypt.
- **29/3/2020 and until now: Associate professor,** Physiology Department – Faculty of **Medicine** - Mansoura University, Egypt.

Education

- ✓ **Bachelor Degree in Medicine (09/1995 – 2003):** Faculty of medicine, Mansoura University with general cumulative grade **excellent with honor**.
- ✓ **A year of Internship Necessary for The Completion of The Bachelor Degree in medicine (1/3/2002– 28/2/2003):** Faculty of medicine, Mansoura University.
- ✓ **Master Degree of Physiology (2009):** Title of Research being: **Role of renin- angiotensin system in stress-induced hypertension in male rats**
- ✓ **Doctor of Physiology (2013):** Title of Research being: **Some metabolic effects of ghrelin.**

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Teaching Experience

- 1) Practical courses for undergraduate Egyptian and Malaysian students from 09/2003-04\2016
- 2) Lectures of Physiology for undergraduate Egyptian and Malaysian students in Faculty of medicine and Dentistry- Mansoura University from 09/2012 until now
- 3) Lectures of Physiology for undergraduate student in **Mansoura-manchester programme** at 2013, 2014, 2015 2016, 2017 and 2018.
- 4) Lectures of Physiology for undergraduate Malaysian students in Faculty of medicine at 2012, 2013.
- 5) Lectures of Physiology for post graduate student in Faculty of medicine- Mansoura (cardiology and ENT) University from 09\2014 until now

- 6) **PBL tutor** in MMP semester 5, 2014-2015, 2015-2016.
- 7) The person responsible for **all dentistry exams** for Physiology 8 years ago until now.
- 8) The person responsible for **cardiovascular system** teaching for 5 years 2013-2020.
- 9) The person responsible for teaching for **MMP for faculty of dentistry since its start until now**.
- 10) The person responsible for physiology of **level 1, semester 1 block 2a for first year medical students 2018-2019, Block IIa coordinator until now**.

- 11) **Physiology Coordinator of block III and block IV faculty of medicine 2019**.
- 12) **The doctor with the best student feedback at faculty of medicine, Mansoura university 2018-2019**.
- 13) **The doctor with the best student feedback at faculty of medicine 2019-2020**.
- 14) **The person responsible for teaching for orthopedics master students since 2 years and until now**.

- 15) The person responsible for physiology for semester 4 exams REB, neurophysiology two years ago and until now.**
- 16) Coordinator of PHYSIOLOGY in AEP module , faculty of medicine, Mansoura university.**
- 17) Coordinator of portofolio SEM 7 MMPME.**
- 18) PBL tutor MMPME semester 3.**
- 19) The lecturer of Physiology for MMPME semester 3.**

Publications

1-Effect of L-Carnitine on the Lingual Mucosa of Streptozotocin-Induced Diabetic Albino Rats. E.D.J. 2016; Vol. 62, No. 1:1-8 .

2- L-carnitine Increases Skeletal Muscle GLUT4 Expression and Improves Metabolic Control in Type 2 Diabetes

3- Tocotrienol and Liver Functions and Its Hepatoprotective Effects Against CCL4 Induced Liver Fibrosis in Rats.

4-Effect of L-Carnitine on Insulin Sensitivity and Responsiveness in Skeletal Muscle, Adipose tissue and Hepatic tissues

5. BIOLOGICAL IMPACT OF MELATONIN ON THE HEALING OF ALBINO RATS' TONGUE ULCER.

6. Study the effect of cadmium on some renal functions in albino rats

7. Effects of Activation of GHSR1a on Hepatic Fibrosis in Type 2 Diabetic Rats

8. L-Carnitine Modulates Epileptic Seizures in Pentylene-tetrazole-Kindled Rats via Suppression of Apoptosis and Autophagy and Upregulation of Hsp70

9. Some metabolic effects of ghrelin

10. L-Carnitine protects kidney against ischemia reperfusion injury via suppression of expression of tubular kidney injury molecule (Kim-1) and Wnt proteins (Beta- Catenin)

11. Hydrogen sulfide generation protects against renal ischemia/reperfusion-induced cardiac hypertrophy and arrhythmia via amelioration of connexin- 43 expression and opening of K_{ATP} channels

12. Role of Oxidative Stress, Apoptosis and Autophagy in Cadmium-induced Renal Injury in Rats: Renoprotective Effect of Ghrelin
13. Effect of abscisic acid on gastric motility in normal and diabetic rats
14. Organotypic slice culture model demonstrates interneuronal spreading of alpha-synuclein aggregates.
- 15-Eicosapentaenoic and docosahexaenoic acids attenuate methotrexate-induced apoptosis and suppression of splenic T, B-Lymphocytes and macrophages with modulation of expression of CD3, CD20 and CD68.
- 16-Exercise alleviates osteoporotic changes in glucocorticoids- induced osteoporosis in a rat model: a possible role of endogenous irisin.
- 17- Abscisic Acid Can Protect the Kidney Against Ischemia/Reperfusion Injury Via Antiapoptotic Activity, Downregulation of NOX-4 and Upregulation of Connexin-43.
- 18-Effect of D-Limonene on the Age-Related Androgenic Changes in Male Rats.
- 19- Role of Kidney Injury Molecule-1 Expression, Wnt Proteins (Beta- catenin) and Endogenous Irisin in a Rat Model of Renal fibrosis: Renoprotective Effect of Metformin
- 20- Targeting Hydrogen Sulfide Modulates Dexamethasone-Induced Muscle Atrophy and Microvascular Rarefaction, through Inhibition of NOX4 and Induction of MGF, M2 Macrophages and Endothelial Progenitors
- 21- Cardioprotective effect of abscisic acid in a rat model of type 3 cardio-renal syndrome: Role of NOX-4, P-53, and HSP-70
- 22- Studying the effect of vitamin B12 and folic acid on the levels of brain-derived neurotrophic factor in the blood and the brain of obese male rats.
- 23- Role of Cannabinoid Type 2 Receptor Activation in Renal Fibrosis Induced by Unilateral Ureteric Obstruction in Rats.
- 24- Intermittent fasting and probiotics in non-alcoholic fatty liver in rats: interplay between FGF19 and FGF21

Conferences

- Medical experimental research center MERC scientific day at august 19 th 2010 and shared by talk about: **Role of endothelial progenitor cells and statins in myocardial infarction in rats**
- The 7th Annual Scientific Conference of Medical Physiology Department 27, 28 March, 2013 and shared by this poster: **Some Metabolic Effects of Ghrelin**
- The 8 th Annual Scientific Conference of Medical Physiology Department Entitled Updates in **Neurosciences: From Bench to Bedside** and shared by this poster: **Study the possible protective role of growth hormone secretagogue receptors type 1a in diabetic changes in rat liver**
- **New updates in medical education** 11-4-2018 and 12-4-2018. The conference of faculty of medicine, Mansoura university.
- **Workshop entitled: Experimental uses of biopac system at 27th Dec 2017.**
- **Workshop entitled: stereotaxic targeting and deep brain stimulation in rats at 28 th Dec 2017.**
- **RWD joint webinar with Medical Physiology Department, Mansoura University on Sep 24th, 2021, on the topic of Deep Brain Stimulation and Optogenetics in Neuroscience Research**
- Virtual Patient Learning - Faculty Training Workshop held on the 22nd of December 2021.**
- Attended "Discover Taylor and Francis Journals and Author services Platform " on 1st February 2022
- Attended 'Navigate Taylor and Francis Authors' Platform- Increasing your Research Impact' on 31st January 2022

Professional Sessions

- **Faculty and Leadership Development Project "FLDP" Training Courses in Mansoura University:**

Attendance of 18 courses

Research Interest

- Nephrology research.
- Heart research.
- Brain research and management of epilepsy.

Memberships

- **Member of the Egyptian society of physiological sciences (ESPS) (Membership No. 25, 2012 until now).**

- **Member of medical education unit** of faculty of medicine, Mansoura University.
- Member in student faculty committee for 6 months 2014.
- The coordinator for accreditation for Physiology department.
- **EKB** faculty of Medicine, Mansoura university coordinator since, **for INCISION ACADEMY**, 8-2021 and **until now**.

إشراف وتحكيم رسائل الماجستير والدكتوراه

- ألفا - سينيوكلين و مرض باركنسون : كهدف مستقبلي لعلاج الامراض العصبية , الدور **مشرف** في جامعة المنصورة - كلية الطب
- الدور المحتمل لبوابات البوتاسيوم في إحداث اعتلال عضلى ناتج عن الجلوكوكورتيكويد , **الدور محكم في جامعة المنصورة - كلية الطب**
- الصيام المتقطع والبروبيوتك في الكبد الدهني غير الكحولي في الفئران : التفاعل بين عوامل نمو الخلايا الليفية 19 و 21 , الدور **مشرف** في جامعة المنصورة - كلية الطب
- **Intermittent fasting and probiotics in non-alcoholic fatty liver in rats: interplay between FGF19 and FGF21**
- تأثير د-ليمونين على التغيرات الذكورية المرتبطة بالعمر في الفئران , الدور **مشرف** في جامعة المنصورة - كلية الطب
- تأثير حمض الابسيسيك على حركية المعدة والقولون في كل من الفئران السليمه والفئران المصابه بمرض السكرى , الدور **مشرف** في جامعة المنصورة - كلية الطب
- دراسة تأثير فيتامين ب 12 وحمض الفوليك على مستوى عامل التغذية العصبية المشتقة من الدماغ
في الدم والمخ في فئران ذكور تعاني من السمنة , الدور **مشرف** في جامعة المنصورة - كلية الطب
- **Studying the effect of vitamin B12 and folic acid on the levels of brain-derived neurotrophic factor in the blood and the brain of obese male rats.**
- دور التمارين الرياضية على افراز الايريسين في الفئران المصابة بهشاشة العظام بواسطة (الكورتيكوستيرويد , (الدور **مشرف** في جامعة المنصورة - كلية الطب)
- دور تحفيز مستقبلات الكانابنويد من النوع الثاني على التليف الكلى الناتج عن انسداد الحالب في جهة واحدة في الجرذان , الدور **مشرف** في جامعة المنصورة - كلية الطب

- Role of Cannabinoid Type 2 Receptor Activation in Renal Fibrosis Induced by Unilateral Ureteric Obstruction in Rats
- المحددات في ديناميكيات البول في سلس البول الناجم عن الاجهاد في اناث الفئران المصابة بداء السكري: الدور المفيد المحتمل لحمض الأبسيسيك. ;nbsp& الدور مشرف في جامعة المنصورة - كلية الطب

Urodynamic changes in stress-induced incontinence in diabetic rats: Possible beneficial role of abscisic acid

Referees

Dr. Atef Mansour

Professor of physiology, physiology Department, Faculty of medicine, Mansoura University.

E-mail: atefalseidi@yahoo.com