

Curriculum Vitae

Personal Details

- Name: Azza Saad Abdou Ibrahim.
- Date of birth: 8 /1/1959 Alexandria, Egypt.
- Job: Professor of Clinical Physiology.
- Phone: 01224134679 - 03/5935478.
- Email: azzasaad_mri@yahoo.com azza.saad@alexu.edu.eg

Affiliation

Medical Research Institute, Human Physiology Department, Alexandria University.

Qualifications

- M.B.Ch.B. Faculty of Medicine, Alexandria University, November 1982, with grade very Good with Honor.
- Master degree in Clinical Physiology, Medical Research Institute, Alexandria University 1989.
- Ph.D in Clinical Physiology, Medical Research Institute, Alexandria University 1996.

Appointments

- 1983-1984: House officer, Alexandria University and Ministry of Health Hospitals.
- 1984-1985: General Practitioner, Ministry of Health Hospitals.
- 1985-1989: Demonstrator of Clinical Physiology Medical Research Institute, Alexandria University, Egypt.
- 1989-1996: Assistant lecturer of Clinical Physiology, Medical Research Institute, Alexandria University, Egypt.
- 1996-2004: Lecturer of clinical physiology, Medical Research Institute, Alexandria University, Egypt.
- 2004-2012: Assistant professor of Clinical Physiology, Medical Research Institute, Alexandria University, Egypt.
- 2012-till now Professor of clinical physiology.
- 2015-2019: Head of Human Physiology department.

Courses, Meetings & Conferences

-The 3rd conference of Human physiology department, Medical Research Institute, Alexandria University. (**Recent advances in Aging**) on November 2018 (Conference president).

-The 5th Egyptian Congress of pediatric pulmonology on May 2018.

-The 6th Conference of Egyptian Society for Physiological Sciences ESPS and 2nd Conference of Human Physiology Department, Medical Research Institute, Alexandria University. (**Recent Advances in Obesity Research**) on November 2017 (conference

president and speaker).

- The 20th Annual international Congress of Egyptian Society of Endocrinology & Obesity on May 2017.
- The 1st Annual symposium of Human physiology department, Medical Research Institute, Alexandria University, (**Exercise in health and disease**) on December 2016 (conference president and speaker).
- The western Blotting Hands on workshop on February 2016.
- Research proposal writing STDF, Alex REP, and WHO on February 2016.
- Advances in adiposity & neuro-cognition on March 2015.
- The 13th conference of the medical association for the study and management of obesity(MASMO): Obesity the disease of diseases (November 2014)
- The international conference of MRI 2014(September 2014)
- The international conference of MRI 2012 as a talk speaker(**overview of obesity**)
- The seventh annual world congress on insulin resistance in San Francisco with a poster presentation (5-7 November 2009).
- Annual international conferences of the Egyptian Society of Endocrinology and obesity (1998-2010).
- The Annual scientific conference of the Egyptian group of Diabetes.
- The second joint meeting of the Egyptian Association of Endocrinology and Obesity with the American Association of Clinical Endocrinologists with a poster presentation (23-25 April 2008).
- Annual conferences of Medical Research Institute (1988-2014).
- Symposia of liver diseases at crossroads of civilizations: East meets West in Bibliotheca Alexandrina (2008).
- The 2nd Joint meeting of the Egyptian Society of Endocrinology and Obesity with the American Association of Clinical Endocrinologists on April 2008.
- Annual Integrated Symposia of the Egyptian Association of Advancement of basic sciences (EAMBS) from 2004-2013).
- Symposia of the scientific committee of Medical Research Institute held monthly.
- Faculty and leadership development courses (2006-2007).
- Quality assurance courses and workshops.
- Basic course in Molecular Biology I held in Medical technology center 2005.

Publications

- 1- Azza Saad Abdou, Mona Shehata, Amal M Soliman. Effect of smoking on lipid profile, erythrocyte function and free radical markers in female subjects. JMRI 1998; 19(3): 128-140.
- 2- Azza Saad Abdou, Maha M Atta. Role of leptin in premenopausal and postmenopausal obese women. JMRI 1999; 20(2): 81-90.
- 3- Amal M Soliman, Azza Saad Abdou. Alteration in enzymes modulating antioxidant balance and oxidative stress indices in the aged rats. Bull High Inst Public Health 2001; 31(1): 47-56.
- 4- Yosria El-Sayed, Azza Saad Abdou, Osama Ahmed Abbas. Influence of short term Aluminium treatment on iron metabolism in young and aged rats. Bull High Inst Public Health 2001; 31(3): 597-606.

- 5- Azza Saad Abdou, Yosria El-Sayed, Mona Shehata, Magda Mohasseb, Wafaa Abd El-Rehim. Effect of thyroid status on erythrocyte membrane sodium potassium adenosine triphosphatase and phospholipids in relation to plasma nitric oxide. Alexandria Medical J 2002; 44(2): 405-423.
- 6- Magda Mohasseb, Azza Saad Abdou, Ahmed Nagati. Subclinical hypothyroidism and dyslipidemia in pre-eclampsia. J of the Egypt Soc Endocrin Metab and Diab 2003; 35(1): 27-34.
- 7- Azza Saad Abdou, Yosria El-Sayed, Mona M Rashad, Geylan Fadalli, Menat Allah Magdi. Effect of chlorpyrifos insecticide on reproductive system of adult male rats and male offsprings of exposed mothers during pregnancy and lactation. J MRI 2003; 24(4):74-87.
- 8- Mohamed N Atta, Azza Saad Abdou, Seddik Toulan, Ahmed El-Hadi Youssef, Assem Mossad. Effect of exercise training on stimulation of growth hormone\insulin like growth factor-1 axis in short stature children. J MRI 2003; 24 (4): 143-152.
- 9- Hoda Nour, Azza Saad, Mona Shehata, Magda Mohasseb, Mamdouh El Yamany, Geylan Fadali. Association between serum OPG/RANKL system and leptin with aging in male rats. Bull Alex Fac Med 2005; 41: 765-71.
- 10- Gehan M Magour, Azza S Abdou, Manal M Mahmoud. Association of serum Fetuin-A and parameters of insulin resistance in type2 Diabetic patients. JMRI 2006; 27(3):191-6.
- 11- Mohamed El Ghazali, Azza S Abdou, Mamdouh El Yamany. Effects of Acute Exercise Intensity on Anabolic and catabolic mediators in trained and untrained children. JMRI 2007; 28(1): 70-6.
- 12- Magda Mohasseb, Hoda Nour, Azza Saad, Wael Refai, Rania Eid. Plasma Homocysteine and its relationship to insulin status in patients with Hepatitis C virus related chronic liver diseases. JMRI 2007; 28(2): 147-53.
- 13- Azza Saad, Mamdouh El Yamany, Osama Abbas, Mona Yehia. Possible role of low level laser therapy on bone turnover in ovariectomized rats. Bull of High Institute of Public Health 2009; 39: 1-20.
- 14- Saad A, Abbas OA. Ghrelin as a regulator of gonadal function in adult male offsprings exposed to cigarette smoking in utero. Endocrine regulation 2009; 43: 141-8.
- 15- Azza Saad, Eman Salah, Afaf El-Faras, Mona Rashad, Osama Mansour. Plasma adiponectin in chronic renal failure patients on haemodialysis and in patients after kidney transplantation. J of the Egypt soc Endocrinol Metab & Diab 2009; 41: 11-18.
- 16- Azza S Abdou, Gehan M Magour, Manal M Mahmoud. Evaluation of some markers of subclinical Atherosclerosis in Egyptian young adult males with abdominal obesity. Br J Biomed Science 2009; 66.
- 17- Azza saad. Effects of 17β estradiol on hypoxia inducible factor - 1α in ovariectomized rats subjected to transient focal cerebral ischemia. Alexandria Medical journal 2010;52:130-42.
- 18- Azza saad abdou, Maha Mostafa Attia. Effects of exercise on central and peripheral cannabinoid receptor-1 (CB-1) in type 2 diabetic rats. Egypt J Biomed Sci 2011;37:127-43.
- 19- Azza Saad, Mohamed Elghazali, Mervat El-Seweify, Maha Shoukry, Marwa Moaaz. Study of the possible role of central respiratory drive in the sensation of dyspnea in obese subjects. Alexandria Medical journal 2011;53:1-16.

20- Maha Mostafa, Mamdouh El-yammany, Azza Saad. Relation between obestatin and metabolic dysfunction in rats subjected to partial sleep deprivation. Egypt J Biomed Sci 2014;45:225-38.

21- Yosria E. Aly , Azza S. Abdou, Mona M. Rashad, Menatallah M. Nassef. Effect of exercise on serum vitamin D and tissue vitamin D receptors in experimentally induced type2 Diabetes Mellitus. Journal of Advanced Research 2016;7:671–9.

22- Azza Saad Ibrahim, Mona Mohamed Eldeeb, Ola Ahmed Salama, Mona Mohamed Rashad , Khaled Mohamed Okasha. Possible association of ghrelin/obestatin balance with cardiometabolic risk in obese subjects with Helicobacter pylori. Endocrine regulations 2018; 52: 101– 9.

23- Hebatallah Mohammed Aboudeya , Trez Nagy Michel, Maha Mostafa Attia, Azza Saad. Neuroprotective effect of Exercise on Alzheimer's disease in rats: Role of Nuclear Factor Erythroid 2- Related Factor 2 (NRF2). Bull. of Eryp.Soc. Physiol. Sci 2021;41(3):1-13.

24- Neveen A. Hussein , Mona M. Rashad , Azza S. Abdou , Amr M. Hussein & Hagar M. Mohamed. Gene profiling of SEC13, SMAD7, GHRL, long non-coding RNAGHRLOS, HIF-1 α in gastric cancer patients. Scientific reports 2022;12(1):6555

Supervision of Thesis

Master thesis:

- Possible association of ghrelin/obestatin balance with cardiometabolic risk in obese subjects with Helicobacter pylori (2018).
- Possible involvement of Beta3 adrenergic receptors in the pathophysiology of bronchial asthma in obese subjects (2016).
- Study of the possible role of central respiratory drive in the sensation of dyspnea in obese subjects (2011)
- Plasma adiponectin in chronic renal failure patients on haemodialysis and in patients after kidney transplantation (2009).
- Cannabinoid receptors in chronic hepatitis C virus obese and non-obese patients (2008).
- Plasma Homocysteine and its relationship to insulin status in patients with Hepatitis C virus related chronic liver diseases (2007).
- Evaluation of homocysteine, fibrinogen and lipoprotein a in chronic renal failure patients with coronary ischemia (2005).
- Effect of chlorpyrifos insecticide on reproductive system of adult male rats and male offsprings of exposed mothers during pregnancy and lactation (2003).

Ph D thesis:

- Effect of exercise on adipose tissue remodeling markers in obese male rats.
- The role of Lnc RNAGHRLOS, SEC13, GHRL, SMAD7 expression and HIF-1 level in gastric cancer patients (2019).
- Possible role of alveolar macrophage polarization in the pathophysiology of obese asthma phenotype (2019).
- Effect of exercise on serum vitamin D and tissue vitamin D receptors in

- experimentally induced type2 Diabetes Mellitus (2016).
- Nutritional status and physiological responses to insulin like growth factor with different intensity body loads (2006).
 - Effect of using different ionized air to retain recovery from different resistant loads for football players (2003).
 - Effect of exercises with different intensities and resistance to stimulate growth hormone in short stature boys aged 9-12 years (2003)

Experiences

Teaching & Research:

- Teaching basic and clinical physiology for master and Ph D students, Medical Research Institute (1996-till now).
- Teaching physiology I&II courses for undergraduates, faculty of pharmacy, Pharos university of alexandria.
- Research experience in endocrine, metabolic physiology and obesity research (clinical & experimental).
- Practical experience in experimental and clinical physiology functional assessment using different techniques.

Others:

- Programme coordinator in PH d degree in human physiology department.
 - Academic advisor of PhD clinical physiology programme.
 - Course coordinator of advanced clinical physiology Ph d clinical physiology programme(1703802).
 - External evaluator of physiology programmes.
 - Reviewing of scientific papers & articles in national and international journals.
 - Participating as quality coordinator in department and institute.
 - Supervision of weekly seminars and journal clubs in human physiology department.
 - Member in the Bylaws committee in physiology department.
 - Member in the scientific and conference committee in physiology department.
 - Member in the medical association for the study and management of obesity (MASMO)
 - Member in the Egyptian Association of advancement of basic sciences (EAMBS).
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