

Professor Omar M. E. Abdel-Salam

Name	Omar M. E. Abdel-Salam M.D., Ph. D.
Education	
February 1997	Ph.D. in Medical Sciences, from the Hungarian Academy of Science. Thesis dealt with the role of capsaicin-sensitive sensory nerves in gastric mucosal injury and defense.
May 1991	M. S. in Internal Medicine, Faculty of Medicine, Cairo University, Cairo, Egypt. Thesis dealt with the prevalence of campylobacter pylori in diabetic patients.
October 1985	Bachelor of Medicine and Surgery, Faculty of Medicine, Cairo University, Cairo, Egypt.
Work Experience	
Current Position	Professor and Head of the Department of Toxicology, Narcotics, National Research Center, Tahrir St., Cairo, Egypt.
Dcember 2007-March 2010.	Professor of Pharmacology, Department of Pharmacology, National Research Center, Tahrir St., Cairo, Egypt.
November 2002- November 2007	Associate Professor of Pharmacology, Department of Pharmacology, National Research Center, Tahrir St., Cairo, Egypt.
December 1999- November 2002	Assistant Professor of Pharmacology, Department of Pharmacology, National Research Center, Tahrir St., Cairo, Egypt.
1997-1999	Gastroenterology laboratory, First Department of Medicine, Medical University of Pécs, Hungary
1992-1997	Ph.D. Fellow. First Department of Medicine, Medical University of Pécs, Hungary.
December 1991	Associate Lecturer of Medical Clinic, National Research Center, Cairo, Egypt.
February 1991	Associate Researcher of Medical Clinic, National Research Center, Cairo, Egypt
1989-1992	Medical Resident, Emergency and Internal Medicine, Al-Zerahyeen Hospital, Giza, Egypt
1987	Medical Resident, Internal medicine, Al-Salam International Hospital, Cairo, Egypt.
1986-1987	Medical Resident, Cairo University Hospitals, Cairo, Egypt.

Research Experience:

- Gastric acid secretion and its regulation.
- Inflammation, analgesia, modulation by different agents
- Role of serotonin reuptake inhibitors in inflammation and nociception
- Role of antidepressant drugs in inflammation and nociception
- Gastric cytoprotection.
- Gastric mucosal permeability.
- Role of vagus nerve in gastric mucosal defense.
- Elucidation of the role of afferent nerves in gastric mucosal protection. Effect of capsaicin and its analogue resiniferatoxin on experimental gastric mucosal injury in the rat.
- Gastric acid secretion. Role of capsaicin type agents
- Gastric mucosal blood flow. Effect of capsaicin and its analogue resiniferatoxin on gastric mucosal blood flow in rats.
- NSAIDs-induced gastric mucosal injury
- Gastric acid secretion. Effect of various drugs
- Biliary studies. Effect of various drugs
- Inflammation, modulation by different agents
- Role of serotonin reuptake inhibitors in inflammation, nociception and gastric acid secretion.
- Hepatoprotection
- Drugs of abuse
- Cannabis effects on brain
- Cannabis effects on liver
- Cannabis effects on motor system
- Neurodegeneration

Research Projects (Funded by the National Research Center, Cairo, Egypt)

- Effect of rosiglitazone and nateglinide on serum glucose and lipid profile alone or in combination with the biguanide metformin in diabetic rats (2003-2005).
- Effects of the newer angiotensin converting enzyme (ACE) inhibitors on the activity of oral hypoglycemic agent in rats (2002-2004).
- Pharmacokinetic study in drug toxicity assessment (in vivo and in vitro study)(2001-2004).
- Evaluation of new therapeutic modalities in hepatic protective agents (2001-2004).
- Evaluation of the potential therapeutic benefit and gastric mucosal ulcerogenic effects of the cyclo-oxygenase-2 selective inhibitors rofecoxib and celecoxib as compared with the non-selective nonselective COX inhibitors indomethacin and ibuprofen in rats (1998-2001).
- New strategic approaches for cancer treatment (2009-2010).
- Neurobiological and Neurochemical Studies on the Effects of *Cannabis Sativa* preparations In Rodent Brain (2010-2013).
- Identification of Biomarkers for Subtle Brain Injury Following Cannabis and/or Tramadol Abuse (2013-2016).

Owners and Awards

1998

The Prize of The Hungarian Academy of Sciences and The Academic Press for the best book in medicine for the year 1998.

(Capsaicin-Sensitive Afferent Nerves in Gastric Mucosal Damage and Protection. Mózsik Gy, Abdel-Salam O.M.E., Szolcsányi J (eds). Akadémiai Kiadó, Budapest, 1997).

October 1992-1997	PhD fellowship. First Department of Medicine, (Gastroenterology laboratory) and collaborative work in the Department of Pharmacology, Medical University of Pécs, Hungary.
1983-1984	Academic Achievement Award Scholarship, Faculty of Medicine, Cairo University, Egypt.
1982-1983	Academic Achievement Award Scholarship, Faculty of Medicine, Cairo University, Egypt.
1981-1982	Academic Achievement Award Scholarship, Faculty of Medicine, Cairo University, Egypt.
1980-1981	Academic Achievement Award Scholarship, Faculty of Medicine, Cairo University, Egypt.
1979-1980	Academic Achievement Award Scholarship, Faculty of Medicine, Cairo University, Egypt.
2009	Certificate of Excellency in Scientific Publication- NRC
2011	Certificate of Excellency in Scientific Publication- NRC
2012	Certificate of Excellency in Scientific Publication- NRC

Computer Software

Microsoft Office, SPSS, SigmaPlot, DrawPerfect, GraphPad Prism

Other activities

Membership of Editorial Board of:

1. Inflammopharmacology
2. World Journal of Gastrointestinal Pharmacology and Therapeutics
3. Orphan Drugs: Research and Reviews
4. American Journal of Medicine and Medical Sciences
5. Journal of the Egyptian Society of Toxicology.
6. The World Journal of Gastroenterology
7. Digestive Diseases and Sciences
8. Journal of Neurorestoratology
9. Trends in Molecular Biology (TMB)
10. Journal of Neurology and Epidemiology
11. Dataset Papers in Science
12. Lead Guest Editor for a special issue of “Advances in Pharmacological

Sciences” 2011.

13. Membership of Executive committee International Union of Pharmacologists (IUPHAR).

14. Membership of The Egyptian Society of Toxicology.

15. Membership of The Board of Egyptian Society of Toxicology.

16. Membership of The Egyptian Society of Pharmacology and Experimental Therapeutics.

Supervisor of a number of M.Sc. dissertations:

1. Comparative study of some pharmacological actions of octreotide, meloxicam or their combination.

2. Pharmacological studies on the potential hepatoprotective effects of lisinopril, fosinopril & losartan in the rats.

3. Study of possible role of ATP-dependent K⁺ channel agonist and antagonist on inflammatory process and gastric ulceration in rats.

4. Pharmacological studies on the ischemic rat lower limbs using Laser Doppler Blood Flowmetry.

5. Study of the possible pharmacological effects of Pumpkin seed oil on certain pathological disorders induced in experimental animals.

6. Study of possible effect of certain natural products in animal experimental model of Parkinson's disease.

7. The effect of statins on gastric mucosal integrity

8. Possible effects of *Cannabis sativa* extract on gastric acid secretion and gastric mucosal integrity in rats

Supervisor of Ph.D. dissertations:

1. Study of the influence of certain dopamine agonists and/or antagonists on gastric mucosal integrity in rats.

2. Studies some drugs on cyclosporine-induced renal toxicity

3. The Neurobiological effects of nicotine-cannabis addiction on memory and neurochemistry of brain in mice.

4. Evaluation of the role of standardized cannabis extract in experimentally-induced Parkinson's disease.

5. Effect of interferon alpha versus pegylated interferon alpha on hepatic damage.

PUBLICATIONS

I. Books

1. Capsaicin-Sensitive Afferent Nerves in Gastric Mucosal Damage and Protection. Mózsik Gy, **Abdel-Salam O.M.E.**, Szolcsányi J (eds). Akadémiai Kiadó, Budapest, 1997.
2. Capsaicin as a Therapeutic Molecule. Editor: Abdel-Salam, Omar M. E. (Ed.). [Progress in Drug Research](#). Volume 68 2014. ISBN: 978-3-0348-0827-9 (Print) 978-3-0348-0828-6 (Online)
3. **Co-editor of the book:** Twenty Five Years of Peptic Ulcer Research in Hungary. From basic sciences to clinical practice (1971-1995), Akadémiai Kiadó, Budapest, 1997.
4. Capsaicin - Sensitive Neural Afferentation and the Gastrointestinal Tract: from Bench to Bedside", book edited by Gyula Mozsik, Omar M. E. Abdel- Salam and Koji Takeuchi, ISBN 978-953-51-1631-8, Published: July 16, 2014. InTech

II. Chapters in Books

1. Mózsik Gy., **Abdel-Salam O.M.E.**, Bódis B., Kárádi O., Király Á., Süto G., Rumi Gy., Szabó I., Vincze Á. Gastric Mucosal protective effects of prostacyclin and β -carotene and their biochemical backgrounds in rats treated with ethanol and HCl in dependence of their doses and of their time after administration of necrotizing agents. In: Mózsik Gy., Nagy L., Pár A., Rainsford K.D., (eds.). Cell Injury and Protection in Gastrointestinal Tract: From Basic Science to Clinical Perspectives. Kluwer Academic Publisher, Dordrecht, Boston, London, 1997, pp.33-50.
2. **Abdel-Salam O.M.E.**, Mózsik Gy., Szolcsányi J. The effect of intragastric capsaicin and resiniferatoxin on the indomethacin-induced gastric mucosal damage in rats. In: Mózsik Gy., Nagy L., Pár A., Rainsford K.D., (eds.). Cell Injury and Protection in Gastrointestinal Tract: From Basic Science to Clinical Perspectives. Kluwer Academic Publisher, Dordrecht, Boston, London, 1997; pp. 95-105.
3. **Abdel-Salam O.M.E.**, Szolcsányi J., Mózsik Gy. The Effect of resiniferatoxin on experimental gastric ulcer in rats. In: Gaginella T., Mózsik Gy., Rainsford K.D., (eds). Biochemical Pharmacology as an Approach to Gastrointestinal Disease: From Basic Science to Clinical Perspectives. Kluwer Academic Publisher, Dordrecht, Boston, London 1997, pp.269-285.
4. **Abdel-Salam O.M.E.**, Mózsik Gy., Szolcsányi J. The role of afferent sensory nerve in gastric mucosal protection. In: Mózsik Gy, Nagy L, Király Á (eds.). Twenty Five

Years of Peptic Ulcer Research in Hungary: From Basic Sciences to Clinical Perspectives. Akadémiai Kiadó, Budapest, 1997, pp. 295-308.

5. Bódis B., Karádi O., **Abdel-Salam O.M.E.**, Faludi R, Nagy L., Mózsik Gy. Organoprotection and cytoprotection of histamine differ in rats. Biochemical Pharmacology as an Approach to Gastrointestinal Disease: From Basic Science to Clinical Perspectives. Kluwer Academic Publisher, Dordrecht, Boston, London 1997, pp. 373-385.

6. Mózsik Gy., **Abdel-Salam O.M.E.**, Király Á., Moron F., Nagy L., Sütő G., Tárnok F., Jávorka T. The development and the prevention of peptic ulcer diseases in light of gastrointestinal mucosal biochemistry. In: Mózsik Gy., Nagy L., Király Á (eds.). Twenty Five Years of Peptic Ulcer Research in Hungary. From basic sciences to clinical practice (1971-1995), Akadémiai Kiadó, Budapest, 1997, pp. 159-170.

7. Fouda MFR, **Abdel-Salam O.M.E.**, Ezzat A. Role of Reactivity of Transition Elements in Life. In: Mishra AK (ed.). Transition Metals: Characteristics, Properties and Uses. **Series:** Chemical Engineering Methods and Technology Materials Science and Technologies. Nova Science Publishers, 2013, pp. 1-61.

8. Gyula Mózsik, Tibor Past, Tamás Habon, Zsuzsanna Keszthelyi, Pál Perjési, Mónika Kuzma, Barbara Sándor, János Szolcsányi, **M.E. Abdel-Salam Omar** and MáriaSzalai Capsaicin is a New Gastrointestinal Mucosal Protecting Drug Candidate in Humans — Pharmaceutical Development and Production Based on Clinical Pharmacology. In :Clinical Pharmacological Approach of Capsaicin Action in GI Tract- 2014

9. M. F. Essa, Fayed M. Shahin, Ashour M. Ahmed, and **Omar Abdel-Salam** (2013) EFFECTS OF RADON INHALATION ON SOME BIOPHYSICAL PROPERTIES OF BLOOD IN RATS. Modern Trends in Physics Research: pp. 286-294. Proceedings of the 4th International Conference on MTPR-10 Cairo University, Egypt, 12 – 16 December 2010. doi: 10.1142/9789814504898_0042

10.

III- Refereed Journal Articles

1994

1. **Abdel-Salam O.M.E.**, Szolcsányi J, Barthó L., Mózsik Gy. Sensory nerve-mediated mechanisms, gastric mucosal damage and its protection: A critical overview. Gastroprotection 1994; 2:4-12.

2. Karádi O., Bódis B., Király Á, **Abdel-Salam O.M.E.**, Sütő G., Vincze Á, Mózsik Gy. Surgical vagotomy enhances the indomethacin-induced gastrointestinal mucosal damage in rats. Inflammopharmacology 1994; 2: 389-349.

1995

3. **Abdel-Salam O.M.E.**, Bódis B., Karádi O., Nagy L., Szolcsányi J., Mózsik Gy. Stimulation of capsaicin-sensitive sensory peripheral nerves with topically applied resiniferatoxin decreases salicylate-induced gastric H⁺ back-diffusion in the rat. *Inflammopharmacology* 1995; 3: 121-133.
4. **Abdel-Salam O.M.E.**, Bódis B., Karádi O., Szolcsányi J., Mózsik Gy. Modification of aspirin and ethanol-induced mucosal damage in rats by intragastric application of resiniferatoxin. *Inflammopharmacology* 1995; 3: 135-147.
5. **Abdel-Salam O.M.E.**, Szolcsányi J., Mózsik Gy. Effect of resiniferatoxin on stimulated gastric acid secretory responses in the rat. *J. Physiol (Paris)* 1995; 88:353-358.
6. **Abdel Salam O.M.E.**, Szolcsányi J., Mózsik Gy. Capsaicin and its analogue resiniferatoxin inhibit gastric acid secretion in pylorus-ligated rats. *Pharmacol. Res.* 1995; 31; 341-345.
7. **Abdel-Salam O.M.E.**, Bódis B., Karádi O., Szolcsányi J., Mózsik Gy. Nature of gastric H⁺ backdiffusion approached by cimetidine, vagotomy, RTX and sucralfate. *Ceská A Slovenská Gastroenterologie* 1995; 49; 175-182.
8. **Abdel-Salam O.M.E.**, Mózsik Gy., Szolcsányi J. Studies on the effect of intragastric capsaicin on gastric ulcer and on the prostacyclin-induced cytoprotection in rats. *Pharmacol. Res.* 1995; 32: 209-215.

1996

9. Kárádi O., **Abdel-Salam O.M.E.**, Bódis B., Mózsik Gy. Preventive effect of atropine on indomethacin-induced gastrointestinal mucosal and vascular damage in rats. *Pharmacology* 1996; 52; 46-55.
10. **Abdel-Salam O.M.E.**, Szolcsányi J., Porszász R., Mózsik Gy. Effect of capsaicin and resiniferatoxin on gastrointestinal blood flow in rats. *Eur. J. Pharmacol.* 1996; 305: 127-136.
11. Mózsik Gy., **Abdel-Salam O.M.E.**, Bódis B., Karádi O., Nagy L., Szolcsányi J. Role of vagal nerve in defense mechanisms against NSAIDs-induced gastrointestinal mucosal damage. *Inflammopharmacology* 1996; 4: 151-172.
12. Mózsik Gy., **Abdel-Salam O.M.E.**, Bódis B., Kárádi O., Király Á., Süt_ G., Rumi Gy., Szabó I., Vincze Á. Gastric Mucosal protective effects of prostacyclin and β-carotene, and their biochemical backgrounds in rats treated with ethanol and HCl in dependence of their doses and of their time after administration of necrotizing agents. *Inflammopharmacology* 1996; 4: 361-378.
13. **Abdel-Salam O.M.E.**, Szolcsányi J., Mózsik Gy. Differences in action of topical and systemic cysteamine on gastric blood flow, gastric acid secretion and gastric ulceration in the rat. *J. Physiol (Paris)* 1996; 90: 63-73.

1997

14. Bódis B., Karádi O., **Abdel-Salam O.M.E.**, Faludi R, Nagy L., Mózsik Gy: Organoprotection and cytoprotection of histamine differ in rats. *Inflammopharmacology* 1997;5 ;29-41.

15. **Abdel-Salam O.M.E.**, Szolcsányi J., Mózsik Gy. The indomethacin-induced gastric mucosal damage in rats. Effect of gastric acid, acid inhibition, capsaicin-type agents and prostacyclin. *J. Physiol (Paris)* 1997; 91:7-19.

16. **Abdel-Salam O.M.E.**, Szolcsányi J., Mózsik Gy. Capsaicin and the stomach. A review of experimental and clinical data. *J. Physiol (Paris)* 1997; 91: 151-171.

1999

17. Gy. Mózsik, A. Debreceni, **Abdel-Salam O.M.E.**, I. Szabo, M. Figler, A. Ludany, I. Juricskay, J. Szolcsányi. Small doses of capsaicin given intragastrically inhibit gastric basal acid secretion in healthy human subjects. *J of Physiol (Paris)* 1999; 93: 433-436.

18. **Abdel-Salam O.M.E.**, A. Debreceni, Gy. Mózsik, J. Szolcsányi Capsaicin-sensitive afferent sensory nerves in modulating gastric mucosal defense against noxious agents. *J Physiol (Paris)* 1999; 93: 443-454.

19. A. Debreceni, **Abdel-Salam O.M.E.**, M. Figler, I. Juricskay, J. Szolcsányi, Gy. Mózsik. Capsaicin increases gastric emptying rate in healthy human subjects measured by ¹³C-labeled octanoic acid breath test. *J Physiol (Paris)* 1999; 93: 455-460.

20. **Abdel-Salam O.M.E.**, A. Debreceni, J. Szolcsányi, Gy. Mózsik Capsaicin inhibits the pentagastrin-stimulated gastric acid secretion in anaesthetized rats with acute gastric fistula. *J Physiol (Paris)* 1999; 93: 461-466.

2000

21. Pakodi F., **Abdel-Salam O.M.E.**, A. Debreceni, Gy. Mózsik *Helicobacter pylori*. One bacterium and a broad spectrum of human disease! An overview. *J Physiol (Paris)* 2000; 94: 139-152.

2001

22. **O.M.E. Abdel-Salam**, A. Debreceni, J. Szolcsányi, Gy. Mózsik. Gastric mucosal damage and its prevention. Role of gastric mucosal blood flow. An overview. *J Physiol (Paris)* 2001; 95: 105-127.

23. **Omar M.E. Abdel Salam**, Siham El-Shenawy, Seham El-Batran and Mahmoud S. The effect of a selective COX-2 inhibitor on the gastric mucosa in the diabetic and steroid-treated rat. *J. Egypt. Soc. Pharmacol. Exp. Ther.* 2001; 20: 653-681.

24. **Omar M.E. Abdel Salam**, Siham El-Shenawy, Seham El-Batran and Mahmoud S. The effect of etodolac on bile salt and histamine-mediated gastric mucosal injury in the rat. *Arbid. J Physiol (Paris)* 2001; 95: 43-49.
25. **Omar Mohamed Abdel Salam**, Seham El-Batran, Siham El-Shenawy, Mahmoud S. *Arbid.* The effect of tolmetin on the rat gastric mucosa. *J. Egypt. Soc. Pharmacol. Exp. Ther.* 2001; 20: 505-530.
26. Siham El-Batran, Somaia A. Nada, **Omar M. Abdel Salam**, Nabila S. Hassan and Mahmoud S. *Arbid.* Alhagi graecorum extract modulate hepato-nephrotoxic effect induced by paracetamol in rat. *J Egypt Ger Soc Zool.* 2001; 36: 459-477.
27. **Omar M.E. Abdel Salam**, Seham El-Batran, Siham El-Shenawy, and Mahmoud S. *Arbid.* Protective Effect for Panax Ginseng in the Rat Stomach. *J Ginseng Res* 2001; 25: 141-149.

2002

28. Ameen A, **Abdel Salam OM**, El Shenawy S. Ulcerogenic effect of some newer antihypertensive drugs in rats. *J. Egypt. Soc. Pharmacol. Exp. Ther.* 2002; 21: 119-144.
29. Ameen A, **Abdel Salam OM**, El Shenawy S. The influence of melatonin on gastric acid secretion and indomethacin-induced gastric ulcers in rats. *J. Egypt. Soc. Pharmacol. Exp. Ther.* 2002; 21: 229-248.
30. **Abdel Salam OME**. Modulation of inflammatory paw oedema by cysteamine in the rat. *Pharmacol Res* 2002; 45: 275-284.
31. **Abdel Salam OME**, Nada SA, *Arbid MS*. The effect of ginseng on bile-pancreatic secretion in the rat. increase in proteins and inhibition of total lipids and cholesterol secretion. *Pharmacol Res* 2002; 45: 349-353.
32. El-Shenawy S, **Abdel Salam OME**, Baiuomy AR, El-Batran SA, *Arbid MS*. Studies on the anti-inflammatory and anti-nociceptive effects of melatonin in the rat. *Pharmacol Res* 2002; 46: 235-243.

2003

33. **Abdel-Salam OME**, Baiuomy AR, El-Shenawy SM, *Arbid MS*. The anti-inflammatory effects of the phosphodiesterase inhibitor pentoxifylline in the rat. *Pharmacol Res* 2003; 47: 331-340.
34. **Abdel-Salam OME**, Nofal SM, El-Shenawy SM. Evaluation of the anti-inflammatory and anti-nociceptive effects of different antidepressants in the rat. *Pharmacol Res* 2003; 48: 157-165.

2004

35. **Abdel Salam OME**, Hadajat I, Bayomy AR, El-Shinawy S, Arbid MS. Early alterations in bile secretion after exposure to whole body irradiation in the rat. *J. Egypt. Soc. Pharmacol. Exp. Ther.*2004; 24: 95-109.
36. **Abdel-Salam OME**, Baiuomy AR, Arbid MS. Studies on the anti-inflammatory effect of fluoxetine in the rat. *Pharmacol Res.* 2004; 49: 119-131.
37. **Abdel-Salam OME**, Baiuomy AR, El-Batran S, Arbid MS. Evaluation of the anti-inflammatory, anti-nociceptive and gastric effects of ginkgo biloba in the rat. *Pharmacol Res* 2004; 49: 133-142.
38. **Abdel-Salam OME**. Fluoxetine and sertraline stimulate gastric acid secretion via a vagal pathway in anaesthetised rats. *Pharmacol Res* 2004; 50:309–316.
39. **Abdel-Salam OM**, Nofal SM, Baiuomy AR, El-Shenawy SM. Evaluation of the gastric mucosal effects of different antidepressant drugs in the rat. *J Egypt Soc Toxicol.* 2004; 30: 35-43.
40. **Abdel-Salam OME**, El-Shenawy SM, Baiuomy AR, Nofal S. The gastric mucosal protective effects of pentoxifylline in the rat. *J Egypt Soc Toxicol.* 2004; 30: 29-34.
41. Nofal S, El-Shenawy S, Baiuomy AR, **Abdel-Salam OM**, El-Eraky W. Evaluation of the potential therapeutic benefit and side effects of the cyclo-oxygenase-2 selective inhibitors rofecoxib and celecoxib as compared with the non-selective cox inhibitors indomethacin and ibuprofen in rats. *Egypt Med. J. N.R.C.* 2004; 4: 237-262.
42. El-Batran SA, El-Shenawy SM, Nofal SM, **Abdel-Salam OME**, Arbid MS. Studies on the glycemic and lipidemic effect of monopril and losartan in normal and diabetic rats. *Pharmacol Res.* 2004; 50: 131–136.

2005

43. **Abdel Salam OM**, Hadajat I, Bayomy AR, El-Shinawy S, Arbid MS. Acute effect of gamma irradiation on gastric acid secretion and gastric mucosal integrity in the rat. *Scientific World Journal.* 2005; 5: 195-204.
44. **Abdel-Salam OME**, Baiuomy AR, Ameen A, Hassan NA. A study of unfractionated and low molecular weight heparins in a model of cholestatic liver injury in the rat. *Pharmacol Res.* 2005; 51; 59-67.
45. **Abdel Salam OME**, Heikal OA, El-Shenawy SM. Effect of capsaicin on bile secretion in the rat. *Pharmacology* 2005; 73: 121-126.
46. Hedayat I, **Abdel Salam OME**, Baiuomy AR. Effect of ginkgo biloba extract on carrageenan-induced acute local inflammation in gamma-irradiation and rats. *Di Pharmazie* 2005; 60: 614-619.
47. **Abdel Salam OM**, Baiuomy AR, El-Shenawy SM. The effect of cysteamine on bile secretion in the rat. *Pharmacol Rep.*2005; 57:345-351.

48. **Abdel Salam OME**, Baiuomy AR, El-Shenawy SM, Hassan NS. Effect of pentoxifylline on hepatic injury caused in the rat by the administration of carbon tetrachloride or acetaminophen. *Pharmacol Rep.* 2005; 57:596-603.
49. **Abdel Salam OM**, Hadajat I, Bayomy AR, El-Shinawy S, Arbid MS. Acute effect of gamma irradiation on gastric acid secretion and gastric mucosal integrity in the rat. *The Scientific World JOURNAL* 2005; 5: 195-204.
50. **Abdel-Salam OME**, El-Batran S. Pharmacological investigation of trimetazidine in models of inflammation, pain and gastric injury in rodents. *Pharmacology* 2005;75:122-132.
- 51 . **Abdel-Salam OME**. Anti-inflammatory, anti-nociceptive and gastric effects of *Hypericum Perforatum* in rats. *The Scientific World JOURNAL* 2005; 5: 585–596.
52. Elbatran SA, **Abdel-Salam OME**, Abdel shfeek KA, Nazif NM, Ismail SI, Hammouda FM. Phytochemical and Pharmacological Investigations on *Moringa peregrina* (Forssk) Fiori. *Natural Product Sciences* 2005; 11: 199-206.
53. **Abdel Salam OME**, Baiuomy AR, Sleem AA, Ellithy M. Studies on the effect of the opioid receptor agonist trimebutine on inflammation, pain and gastric ulceration in the rat. *Bull. N.R.C. Egypt.* 2005; 30: 433-446.
54. **Abdel Salam OME**, Baiuomy AR, Sleem AA, Ellithy M. Investigation of the effect of unfractionated and low molecular weight heparins on inflammation and gastrointestinal mucosal injury in rats. *Bull. N.R.C. Egypt.* 2005; 30: 419-431.
56. **Abdel Salam OME**, Baiuomy AR, Sleem AA. Comparison of the anti-inflammatory, analgesic and gastric effects of vinpocetine and piracetam in rats. *Bull. N.R.C. Egypt.* 2005; 30: 575-585.
57. **Abdel-Salam OME**, Sleem AA, Baiuomy AR, Morsy F. Effect of the novel anti-ischæmic drug trimetazidine on hepatic injury caused by carbon tetrachloride in the rat. *Bull. N.R.C. Egypt.* 2005; 30: 587-599.

2006

58. **Abdel-Salam OME**, Sleem AA, Baiuomy AR, Morsy F. Effect of trimebutine on hepatic injury caused by carbon tetrachloride in the rat. *Bull. N.R.C. Egypt.* 2006; 31: 21-36.
59. **Abdel Salam OME**, Sleem AA, Baiuomy AR. An experimental studies of the anti-inflammatory and gastric effects of ribavirin in rats. *Bull. N.R.C. Egypt.* 2006; 31: 37-48.
60. **Abdel Salam OME**, El-Shenway SM, Hassan NS. Effect of silymarin mixed with biphenyldimethyl-dicarboxylate versus silymarin alone in liver of rats treated with carbon tetrachloride. *Bull. N.R.C. Egypt.* 2006; 31: 121-133.

61. **Abdel-Salam OME**, Hassan NS. Evaluation of the hepatoprotective effect of ginkgo biloba extract and its comparison with silymarin on acute hepatic injury caused in rats by the administration of carbon tetrachloride. *Bull. N.R.C. Egypt.* 2006; 31: 197-209.
62. **Abdel-Salam OME**, Oraby FHS, Hassan NS. Vinpocetine prevents acute hepatic damage caused by administration of carbon tetrachloride in rats. *Bull. N.R.C. Egypt.* 2006; 31: 211-221.
63. **Abdel-Salam OME**, Sleem AA. Effect of alpha-2-adrenoceptor blockage on analgesia induced by different antidepressant drugs in mice. *Bull. N.R.C. Egypt.* 2006; 31: 223-234.
64. El-Batran SA, **Abdel-Salam OME**, Noval SM, Baiuomy AR. Effect of rosiglitazone and nateglinide on serum glucose and lipid profile alone or in combination with the biguanide metformin in diabetic rats. *Pharmacol. Res.* 2006; 53: 69-74.
65. **Abdel-Salam OME**, Baiuomy AR, Sleem AA. Inhibition of gastric acid secretion by unfractionated and low molecular weight heparins in the rat. *The Scientific World JOURNAL.* 2006; 6: 221-230.
66. **Abdel-Salam OME**, El-Batran SA, Baiuomy AR. Noradrenergic and dopaminergic modulation of melatonin visceral antinociception in mice. *J Pharmacol Toxicol.* 2006; 1: 234-244.
67. **Abdel-Salam OME**. Modulation of visceral nociception by capsaicin in mice. *J Pharmacol Toxicol.* 2006; 1: 493-504.
68. **Abdel Salam OME**, Sleem AA, Shaffie NM. Effect of the selective serotonin reuptake inhibitor fluoxetine on carbon tetrachloride induced hepatic damage in rats. *J Pharmacol Toxicol.* 2006; 1: 395-406.
69. **Abdel-Salam OME**. Antinociceptive and behavioral effects of ribavirin in mice. *Pharmacol Bioch Behav.* 2006; 83: 230-238.
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