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Fatemeh Nabavizadeh Rafsanjani

Personal Information

Department: Physiology

Academic Rank: Professor of Physiology

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Birth Date: 15/4/1339

Birth Place: Rafsanjan

Marital status: Married with two children

Education

- 1- Bachelor of Biology, Shahid Bahonar University of Kerman
- 2- Master of Sciences of Medical Physiology, Kerman University of Medical sciences
- 3- Ph.D of Medical Physiology , Ahwaz University of Medical Sciences

Positon Held

- 1- Staff of Department of Physiology, Medical School, Tehran University Of Medical Sciences
- 2- Educational Deputy of Medicine, Medical School, Tehran University Of Medical Sciences

Experiences

- 1- Head of Department of Physiology and Pharmacology in Kerman University of Medical Sciences(From 2/12/79 to 6/11/81)
- 2- Manager and member of Research Committee of Gastrointestinal and Endocrine in Kerman University of Medical Sciences(From13/12/80 to 1/11/83)
- 3- Guidance Teacher for Shahed and ordinary Medical students (From 1372 to 1383 in Kerman University of Medical Sciences and from 1/11/83 to present in Tehran University of Medical Sciences)
- 4- Scientific Manager of 17th Congress of Physiology and Pharmacology in Kerman University of Medical Sciences(Mehr 1384)
- 5- Director of Applied Physiology in Department of Physiology in Tehran University of Medical Sciences(from 11/7/84 to 1/7/87)
- 6- Director of postgraduate education of Department of physiology in Tehran University of Medical Sciences (from 2/9/85 to 1/3/89)
- 7- Vice - in for postgraduate Education, Medical School, Tehran University of Medical Sciences(from 15/7/88 to paian Farvardin 93)

8- Educational director of international campus, Tehran University of Medical Sciences (from 1/9/93 to present).

Honors, Distinctions and Scientific Societies Membership

A:

- 1- First rank in grade of Bachelor Science of Biology
- 2- First rank in grade of Master Science of Medical Physiology
- 3- First rank in grade of Ph.D of Medical Physiology

B:

- 1- Member of Iranian Physiology and Pharmacology Association
- 2- Member of Editorial Board of Physiology

افتخارات:

۱- دارنده لوح افتخار چهارمین کنگره بین المللی تازه ترین دستاوردهای پژوهش دانش پزشکی (چهارمین جشنواره بزرگداشت پروفیسور یلدا) دانشگاه علوم پزشکی تهران

Language Skills

English

Computer Knowledge

Microsoft office program: Words, Excell, Powerpoint and Ststistical works

Interests

Gastrointestinal Physiology

Endocrine Physiology

Books

۱- **تالیف:** فیزیولوژی دستگاه گوارش، **فاطمه نبوی زاده رفسنجانی**، معصومه گلستان جهرمی، انتشارات ارجمند (غزال جوان)، ۱۳۸۹

۲- **ترجمه:** فیزیولوژی پزشکی گایتون و هال، **فاطمه نبوی زاده رفسنجانی**، آرزو نهاوندی، شهرزاد خاکپور، علیرضا فتح اللهی، مسعود خدایی، محمد رستم پور، پروین بابایی، ویراست دوازدهم، ۱۳۸۹

۳- **تالیف:** خلاصه فیزیولوژی پزشکی گایتون و هال، شهاب الدین صدر، **فاطمه نبوی زاده**، سید مهرداد مظفر، حنا نه ضیاء غریب، محمد ناصر جلالیان، انتشارات آبژ با همکاری انتشارات ابن سینا، ۱۳۹۰

۴- **ترجمه:** خلاصه فیزیولوژی پزشکی گایتون و هال، معصومه گلستان جهرمی، علی علیرضایی، زیر نظر: **فاطمه نبوی زاده**، انتشارات ارجمند، ویراست دوازدهم، ۱۳۹۲

۵- **ترجمه:** فیزیولوژی پزشکی گایتون و هال، **فاطمه نبوی زاده** رفسنجانی و سایر اعضا هیئت علمی گروه فیزیولوژی دانشگاه علوم پزشکی تهران، انتشارات چهر، ویراست سیزدهم، ۱۳۹۴ (۲۰۱۶)

Persian publications

۱- **نبوی زاده فاطمه**، سندگل حسین. بررسی تغییرات الکتروفوز پروتئین‌های سرم زنان باردار شهر کرمان، مجله نبض، شماره هفتم، ۱۳۷۴

۲- واحدیان جلال، **نبوی زاده فاطمه**. آیا آپاندکتومی ضمنی بایستی یک اقدام روتین باشد. مجله نبض، شماره ششم، سال پنجم، ۱۳۷۴

۳- واحدیان جلال، دبیری شهریار، **نبوی زاده فاطمه**. بررسی اعتبار FNA در تشخیص ندول‌های تیروئید. نشریه جراحی ایران، دوره چهارم صفحه ۸۷۱-۸۷۴، ۱۳۷۵

۴- **نبوی زاده فاطمه**، زاهدی اصل صالح، غریب ناصری محمد کاظم. اثر هورمون‌های تیروئید بر عملکرد محرک اتساع در ترشح اسیدوپسین معده در موش صحرائی. مجله دانشگاه علوم پزشکی کرمان. دوره هفتم، شماره ۱، ۱۳۷۸

۵- **نبوی زاده فاطمه**، زاهدی اصل صالح، غریب ناصری محمد کاظم. اثر هورمون‌های تیروئیدی بر ترشح اسید و پسین معده در شرایط پایه و تحریک شده با تحریک الکتریکی عصب واگ در موش صحرائی. مجله دانشگاه علوم پزشکی کرمان. دوره نهم، شماره ۱، ۱۳۸۰

۶- **نبوی زاده فاطمه**، زاهدی اصل صالح، غریب ناصری محمد کاظم. بررسی اثر هورمون‌های تیروئیدی بر ترشح پایه و تحریک شده ناشی از هیستامین، کارباکول و پنتاگاسترین بر اسید معده ایزوله موش صحرائی، مجله فیزیولوژی و فارماکولوژی، جلد ۶، شماره ۱، ۱۳۸۱

۷- واحدیان جلال، **نبوی زاده فاطمه**، محمد تقی یاسمی. ارتباط آدنوکارسینوم معده، مجاری صفراوی، روده باریک و کولون با آپاندکتومی، مجله دانشگاه علوم پزشکی کرمان، دوره نهم، شماره ۴، ۱۳۸۱

۸- **نبوی زاده فاطمه**، زاهدی اصل صالح، واحدیان جلال، کمیلی علامرضا. اثر هیپوئیدی بر عوامل خونی موش صحرائی، طبیب شرق، سال چهارم، شماره ۱، ۱۳۸۲

۹- پورقادرى مونا، حسین زاده محمد جواد، جلالی محمود، **نبوی زاده فاطمه**، اشراقیان محمدرضا، سیاسی

فریدون. اثر محدودیت انرژی بر برخی نشانگرهای مرتبط با طول عمر و التهاب در موش صحرائی، مجله دانشگاه علوم پزشکی بیرجند، دوره ۱۷، شماره ۲، ۱۳۸۹

۱۰- سارا نیک سرشت، اعتباری سحابه، صادقی پور حمیدرضا، زرین دست محمد رضا، کریمیان مرتضی **نبوی زاده فاطمه**. نقش سیستم نیتروژیک در اثرات ضد افسردگی تجویز حاد روی، منیزیم و تیامین در افسردگی پس از زایمان القاء شده با پروژسترون در موش سوری، مجله دانشکده پزشکی، دانشگاه علوم پزشکی تهران، دوره ۶۸، شماره ۵، مرداد ۸۹، ۲۶۱-۲۶۷

English publications

- 1- **F. Nabavizadeh**, S. Zahedi Asl, M.K. Gharid Naseri. Acid and Pepsin secretion following vagal stimulation in hypothyroid and hyperthyroid rats compared to control. Medical Journal of the Iranian Hospital, Vol. 5, No. 2, 2003.
- 2- **Fatemeh Nabavizadeh**, Saleh Zahedi, Mohammad Kazem G.Naseri. Effect of thyroid Hormones on distension-induced gastric acid and pepsin secretions in rats. Annals of Saudi Medicine, Vol. 22, No. 5-6, 2003.
- 3- **Fatemeh N. Rafsanjani**, Saleh Z. Asl, M. K. Naseri, J. Vahedian. Effect of thyroid hormones on basal and stimulated gastric secretion due to histamine carbachol and pentagastrin in rats. Saudi Medical Journal, Vol. 24, No. 4, 2003.
- 4- J. Vahedian-Ardakani, **F. Nabavizadeh Rafsanjani**, A. Zaro-Mehrijardi. Ligation and drainage of appendix prevents future appendicitis in rat. Ligation and drainage of appendix prevents future appendicitis in rat, Archives of Iranian Medicine, Vol. 6, No. 2, 2003
- 5- **F. Nabavizadeh Rafsanjani**, A. Najafi, F. Esmaili. The Effects of Acute consumption of Heroin on Basal and Vagal Electrical-stimulated Gastric Acid and Pepsin Secretion in Rat. IJMS, Vol. 28, No. 4, 2003.
- 6- **F. Nabavizadeh Rafsanjani**, J. Vahedian-Ardakani. The effect of insulin-dependent diabetic mellitus on basal and distention-induced gastric acid and pepsin. Diabetes Research and Clinical Practice, Vol. 66, No. 1, 2004.
- 7- **F. Nabavizadeh Rafsanjani**, F. Maghouli, J. Vahedian-Ardakani, F. Esmaili. The Effects of chronic consumption of Heroin on Basal and Vagal Electrical-stimulated Gastric acid and pepsin secretion in Rat. Saudi Medical Journal, Vol. 25, No. 10, 2004.
- 8- **F. Nabavizadeh Rafsanjani**, E. Iranmanesh, S.Sohbati. The Effects of Fumitory Parviflora Extract on Gastric Acid and Pepsin Secretion in Rat. MJIRC, Vol.7, No.3, 2005.
- 9- Jalal Vahedian, **Fatemeh Nabavizadeh**, Nouzar Nakhqee, Mohammad Vahedian, Ali Sadeghpour. A Comparison between drainage and curettage in the treatment of acute pilonidal abscess. Saudi Medical Journal, Vol.26, No.4, 2005.
- 10- **Fatemeh Nabavizadeh**, Mehrdad Shahrani, Jalal Vahedian. Garlic Effects on Gastric Acid and Pepsin Secretions in Rat. Pakistan Journal Medical Sciences, Vol.22, No.3, 2006.

11- **Fatemeh Nabavizadeh**, Jalal Vahedian, Zakieh Vahedian, Mehran Moradi, Amir Fakhr Attar. The effect of acute consumption of paraoxon on basal and pentagastrin-stimulated gastric acid and pepsin secretion in rats, Pak J Physiol. Vol.2, No.2, 2006.

12- **Fatemeh Nabavizadeh**, Zakieh Vahedian, Jalal Vahedian, Mehran Moradi, Amir Fakhr Attar. The effect of chronic consumption of paraoxon on basal and pentagastrin-stimulated gastric acid and pepsin secretion in rats, Saudi Gastroenterology, Volume 13, Number 4, 2007.

13- **Fatemeh Nabavizadeh**, Mehrdad Shahrani, Zakieh Vahedian, Mohammad Vahedian. Marjoram increases basal gastric acid and pepsin secretions in rat, Phytotherapy Research, Volume 21, 1036-1039, 2007.

14- **Fatemeh Nabavizadeh**, Mohammad Vahedian, Amir Davoodi, Omid Reza Pirnazar. Chronic Consumption of Paraoxon Changes Thyroid hormone level in Rat. **Turkish Journal of Endocrinology and Metabolism**, Volume 11, 34-6, 2007.

15- **Fatemeh Nabavizadeh Rafsanjani**, Soheila Adeli, Zakieh Vahedian Ardakani, Jalal Vahedian Ardakani, Payam Ghotbi. The Effects of Diabetes Mellitus on Gastric Motility in Rats, Pak J Physiol, Vol. 5(1), 2009.

16- **Fatemeh Nabavizadeh Rafsanjani**, Ehsan Salimi, Zahra Sadroleslami, Seyed Morteza karimian, Jalal Vahedian. *Crocus sativus* (Saffron) Increases Basal and Pentagastrin-Stimulated Gastric Acid and Pepsin Secretions in Rats via Nitric Oxide (NO) increment. African Journal of Pharmacy and Pharmacology, Vol 3(5), 181-4, 2009.

17- Azam Moslehi, **Fatemeh, Nabavizadeh-Rafsanjani***, Mansoor Keshavarz, Nematollah Rouhbakhsh, Masoud Sotudeh, and Ehsan Salimi. Traffic Noise Exposure Increases Gastric Acid Secretion in Rat. Acta Medica Journal, Vol 48, No.2, 77-82, 2010

18- **Fatemeh Nabavizadeh**, Rohallah Molodi, Ahmad Reza Dehpour, Hossein Nahrevanian, Kaveh Shahvaisi, Ehsan Salimi. The effects of cholestasis and cirrhosis on gastric acid and pepsin secretions in rat: Involvement of Nitric Oxide, Iranian Journal of Basic Medical Sciences, Vol.13, No. 4, 207-212, 2010.

19- Masoumeh Golestan Jahromi, **Fatemeh nabavizadeh**, Jalal Vahedian, Hossein Nahrevanian, Ahmad Reza Dehpour, Ali Zare Mehrjardi. Protective effect of ghrelin on acetaminophen-induced liver injury in rat, Peptides, Vol. 31: 2114-2117, 2010.

20- Sayid Mahdi Mirghazanfari, Mansoor Keshavarz, **Fatemeh Nabavizadeh**, Nepton Soltani, Mohammad Kamalnejad. The effect of Teucrium Polium L.” Extracts on insulin release from in situ isolated perfused rat pancreas in a newly modified isolation method: the role of Ca²⁺ and K⁺ channels, Iranian Biomedical Journal, Vol.14, No. 4, 178-185, 2010.

21- Zakieh Vahedian-Ardakani, **Fatemeh Nabavizadeh-Rafsanjani***, Mansoor Keshavarz, Jalal Vahedian, Fatemeh Mirershadi. Lead exposure changes gastric acid secretion in rat: role of NO. Acta Medica Journal, Vol. 49, No. 1: 3-8, 2011.

22- **Fatemeh Nabavizadeh**, Ali Mohammad Alizadeh, Soheila Adeli, Masoumeh Golestan, Hamid Moloudian and Mohammad Kamalnejad. Gastroprotective effects of Stachys Lavandulifolia extract on experimental gastric ulcer, African Journal of Pharmacy and Pharmacology, Vol.5(2), 155-159,2011.

23- **Nabavizadeh Fatemeh**, Mohammad Vahedian, Hedayat Sahraei, Soheial Adeli, Ehsan Salimi. Physical and psychological stress have similar effects on gastric acid and pepsin secretions in rat. Journal of stress Physiology & Biochemistry, Vol. 7, No. 2, 164-174, 2011.

24- J Vahedian – Ardakani, M Vahedian, **F Nabavizadeh**. Aneurysm of Brachial Artery Following Axillary Crutch, Iranian Red Crescent Medical Journal, Vol. 13, No. 4, 285-286, 2011.

25- Jalal Vahedian, Mohammad Reza Karamati, **Fatemah Nabavizadeh**. Persistent Sciatic artery presenting as blue toe: Diagnostic dilemma, Pak J Med Sci, Vol. 27, No. 3, 2011.

26- Mohammad Vahedian, **Fatemeh Nabavizadeh***, Jalal Vahedian, Mansoor Keshavarz, Hosein Nahravanian, Fatemeh Mirershadi. Lead Exposure Changes Gastric Motility in Rats: Role of Nitric Oxide (NO), Archives of Iranian Medicine (AIM), Vol. 14, Number 4, July 2011.

27- **Fatemeh Nabavizadeh***, Ali Mohammad Alizadeh, Zahra Sadroleslami, Soheila Adeli. Gastroprotective effects of amygdalin on experimental gastric ulcer; Role of NO and TNF- α , Journal of Medicinal Plants Research Vol. 5(14), pp. 3122–3127, 18 July, 2011

28- Rohallah Moloudi, **Fatemeh Nabavizadeh***, Hossein Nahrevanian, Gholamreza Hassanzadeh. Effect of different doses of GLP-2 (Tedglutide) on acute esophageal lesion due to acid-pepsin perfusion in male rats. *Peptides* 32: 2086-2090, 2011.

29- Soghra Fallahi, **Fatemeh Nabavizadeh***, Seyed Shahabaddin Sadr, Ali Mohammad Alizadeh, Soheila Adeli, Hossein Nahrevanian, Hamid Reza Sadeghipour, Gholamreza Hasanzadeh. The Effects of Leptin on gastric ulcer due to physical and psychological stress: Involvement of nitric oxide and prostaglandin E2. *Journal of Stress Physiology & Biochemistry*, Vol. 7(4): 301-310, 2011.

30- Jalal Vahedian Ardakani, Ali Zare Mehrjardi, **Fatemeh Nabavizadeh Rafsanjani**. Eosinophilic Abscesses of the liver due to enterobius vermicularis. *Jpms*. Vol.1(3): 92-94, 2011

31- Jalal Vahedian, Amir Mohsen Jalayfar, Mohammad Reza Keramati, **Fatemeh Nabavizadeh**, Mohammad Vahedian. Primary Success of Bifurcated Vein Patch Arteriovenous Fistula and Brescia- Cimino Methods. *IJKD*, 6:124-8, 2012.

32- Jalal Vahedian, Toraj-Reza Mirshekari, **Fatemeh Nabavizadeh**. Effect of opium dependency on secondary intention wound healing in a rat model: an experimental study. *International wound journal*, 1742-48, 2012 .

33- Nikseresht S, Etebary S, Karimian M, **Nabavizadeh F**, Zarrindast MR, Sadeghipour HR: Acute administration of Zn, Mg, and Thiamine improves postpartum depression conditions in mice. *Arch Iran Med* , 15(5):306-311, 2012.

34- Mandana Sadeghi Niaraki, **Fatemeh Nabavizadeh**, Gholam H. Vaezi, Ali M Alizadeh, Hossein Nahrevanian, Azam Moslehi, Saleh Azizian. Protective Effect of Ghrelin on Sodium Valproate-induced Liver Injury in Rat, *Journal of Stress Physiology & Biochemistry*, Vol. 9 No. 1, pp. 96-105, 2013.

35- Shadi Sar Kheyr Kheyabany , **Fatemeh Nabavizadeh**,Gholam Hassan Vaezi, Ali Mohammad Alizadeh, Hossein Nahrevanian,Azam Moslehi, Saleh Azizian, Protective Effect of Ghrelin on Isoniazid-induced Liver Injury in Rat, *Journal of Stress Physiology & Biochemistry*, Vol. 9 No. 1, pp. 273-282 , 2013.

36- Laya Rahbar Nikoukar, **Fatemeh Nabavizadeh***, Seyed Mahdi Mohamadi, Azam Moslehi, Gholamreza Hassanzadeh, Hossein Nahrevanian, Shahram Agah. Protective effect of ghrelin in a rat model of celiac disease. *Acta Physiologica Hungarica*, Volume 101 (4), pp. 438–447 (2014)

37- Azam Moslehi ,**Fatemeh Nabavizadeh** ,Ahmad-Reza Dehpour ,Seyed Mohammad Tavangar , Gholamreza Hassanzadeh ,Ali Zekri and Hossein Nahrevanian , Hamid Sohanaky. Involvement of endogenous opioid system in endoplasmic reticulum stress induced hepatic steatosis, *Acta Physiologica Hungarica*, Volume 101 (3), pp. 341–352 (2014)

38- Kamran Rakhshan, Alireza Imani, Mahdih Faghihi, **Fatemeh Nabavizadeh**, Masoumeh Golnazari, and Seyed Morteza Karimian. Evaluation of Chronic Physical and Psychological Stress Induction on Cardiac Ischemia / Reperfusion Injuries in Isolated Male Rat Heart:The Role of Sympathetic Nervous System. *Acta Med Iran*, Vol.53(8):482-490, 2015

39- Seyed Mahdi Mohamadi, **Fatemeh Nabavizadeh***, Mahdih Faghihi, Gholamreza Hasanzadeh, Hamideh Afzali and Hamid Sohanaki. Effects of exogenous ghrelin on experimental reflux esophagitis model in male rat. *Journal of Physiology and Pathophysiology*, Vol. 6(2), pp. 6-12, July 2015

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41- Azam Moslehi, **Fatemeh Nabavizadeh***, Mansoor Keshavarz, Nematollah Rouhbakhsh,Masoud Sotudeh, Ehsan Salimi, and Amir Barzegar Behrooz, Traffic Noise Exposure Increases Gastric Pepsin Secretion in Rat. *Acta Med Iran*, Vol; 54(3):191-195,2016

42- **Fatemeh Nabavizadeh**, Hafseh Fanaei, Alireza Imani, Jalal Vahedian, Fahimeh Asadi Amoli, Jamal Ghorbi, Hamid Sohanaki, Seyed Mehdi Mohammadi, and Ravieh Golchoobian. Evaluation of Nanocarrier Targeted Drug Delivery of Capecitabine-PAMAM Dendrimer Complex in a Mice Colorectal Cancer Model. *Acta Med Iran*, Vol. 54, No. 8 (2016)

43- Amir Barzegar Behrooz | **Fatemeh Nabavizadeh** | Jamal Adiban |Mehdi Shafiee Ardestani | Rouhollah Vahabpour |Mohammad Reza Aghasadeghi | Hamid Sohanaki. Smart bomb S1411 aptamer-functionalized/PAMAMdendrimer nanocarriers for targeted drug

delivery in the treatment of gastric cancer. *Clinical and Experimental Pharmacology* 2017; 44: 41–51

44- Azam Moslehi, **Fatemeh Nabavizadeh**, Ali Zekri, Fatemeh Amiri ,
Naltrexone changes the expression of lipid metabolism-related proteins in the
endoplasmic reticulum stress induced hepatic steatosis in mice, *Clinical and
Experimental Pharmacology and Physiology*, 2017; 44: 2, 207–212

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Vahedian, Seyed Mehdi Mohamadi , Acute physical and sychological stress effects on visceral
hypersensitivity in male rat: role of central nucleus of the amygdala, *Journal of Coloproctology*,
2017,in press, Available online 27 February 2017

46- Ravieh Golchoobian, **Fatemeh Nabavizadeh**, Mehrdad Roghani, Alireza
Foroumadi, Maryam Izad, Maryam Bahrami, Hafseh Fanaei , Ghrelin could not
ameliorate 3,4-methylenedioxymethamphetamine-induced acute liver injury in the
rat: involved mechanisms, *Biomedicine and pharmacology journal* , 2017,under
review