

Personality Background

Surname: Bordbar

Name: Hossein

Nationality: Iranian

Academic Rank: Associate professor

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Educational Background:

- PhD Anatomical Sciences, Shiraz University of Medical Sciences, 2012
- Msc Anatomical Sciences, Ahvaz University of Medical Sciences, 2002
- B.Sc Nursing, Shiraz University of Medical Science, 1991

Faculty Appointment:

2022-Present: Associate Professor, Lecturer and Faculty Member in Anatomical Sciences at Shiraz UMS, Shiraz, Iran

2012-2021: Assistant Professor, Lecturer and Faculty Member in Anatomical Sciences at Shiraz UMS, Shiraz, Iran

2015-2021: Head of Medical Student Consulting and member of Consulting center Committee Shiraz University of Medical Sciences

2010-2020: Head of anatomical dissection hall

2017-2021: Supervisor of histomorphometry and stereology research center

2017- Present: Member of histomorphometry and stereology research center

2023- Present: Head of safety and protection of the Anatomical Sciences Department

Teaching History:

*Course of histology for international medical students, Shiraz University of Medical Sciences, Shiraz, Iran

*Courses of Head and Neck, Trunk and Limbs Anatomy for Medical and Dental Students, Shiraz University of Medical Sciences, Shiraz, Iran

*Course of head and neck anatomy for Dental assistant students, Shiraz University of Medical Sciences, Shiraz, Iran

*Courses of General and Specific Histology for Medical and Dental Students, Shiraz University of Medical Sciences, Shiraz, Iran

*Courses of General and Specific Embryology for Medical and Dental Students, Shiraz University of Medical Sciences, Shiraz, Iran

*Courses of Head and Neck Anatomy for Dentistry residents, Shiraz University of Medical Sciences, Shiraz, Iran

*Courses of Oral and Teeth Histology and General Histology, for Ph.D students, Shiraz University of Medical Sciences, Shiraz, Iran

*Course of General and specific histology for MSc. students

*Courses of Anatomy and Histology for Pharmacology Students, Shiraz University of Medical Sciences, Shiraz, Iran

*Courses of General Anatomy for the students of Midwifery, Nursing, Operation Room, Radiology, Environmental Health, General Health and Other Paramedical Fields students, Shiraz University of Medical Sciences, Shiraz, Iran

Research projects:

Reproductive Biology and Medicine:

Stereology, Transmission Electron Microscopy, Histology,

Immunohistochemistry

Publications:

1- **H Bordbar**, M Sattar-Shamsabadi, F Dehghani, F Karimi. Protective effect of platelet-rich plasma against structural and functional changes of the adult rat testis in carbimazole-induced hypothyroidism. Korean Journal of Fertility and Sterility. 2024.

2- F Kiany, N Sarafraz, N Tanideh, **H Bordbar**, A Andisheh-Tadbir, S Zare. Bone repair potential of collagen-poly (3-hydroxybutyrate)-carbon nanotubes scaffold loaded with mesenchymal stem cells for the reconstruction of critical-sized mandibular defects. Journal of Stomatology, Oral and Maxillofacial Surgery. 2024.

3- MH Maleki, E Nadimi, O Vakili, R Tavakoli, M Taghizadeh, A Dehghanian, **H Bordbar**. Bilirubin improves renal function by reversing the endoplasmic reticulum stress and inflammation in the kidneys of type 2 diabetic rats fed high-fat diet. Chemico-biological interactions. 2023.

4- **H Bordbar**, SS Yahyavi, A Noorafshan, E Aliabadi, M Naseh. Resveratrol ameliorates bisphenol A-induced testicular toxicity in adult male rats: a stereological and functional study. Basic and Clinical Andrology. 2023.

5- N Tanideh, A Bordbar, **H Bordbar**, MS Khaghaninejad, S Daneshi. Evaluation of the Bone Formation Potential of Collagen/ β -TCP/Ginger Extract Scaffold Loaded with Mesenchymal Stem Cells in Rat Animal model: A Stereological Study. Journal of Maxillofacial and Oral Surgery. 2022.

6- Z Khodabandeh, L Rezaeian, MA Edalatmanesh, A Mogheiseh, **H Bordbar**. Stereological evaluation of liver of rabbit fetuses after

transplantation of human Wharton's jelly-derived mesenchymal stromal/stem cells. *Int J Organ Transplant Med*. 2022.

7- E Rahmani-Moghadam, E Nadimi, A Bordbar, N Ayareh, E Bordbar, **H Bordbar**. A quantitative study on the protective effect of resveratrol against bisphenol-A-induced oral mucosa and tongue toxicity in male rats: a stereological study. *Red Crescent J*. 2022.

8- Z Khodabandeh, L Rezaeian, MA Edalatmanesh, A Mogheiseh, **H Bordbar**. Stereological evaluation of rabbit Fetus Liver after Xenotransplantation of Human Wharton's jelly-derived mesenchymal stromal cells. *International Journal of Organ Transplantation Medicine*. 2022.

9- Z Khodabandeh, P Dolati, MJ Zamiri, D Mehrabani, **H Bordbar**, S Alae. Protective effect of quercetin on testis structure and apoptosis against lead acetate toxicity: a stereological study. *Biological trace element research*. 2021.

10- Z Khodabandeh, P Dolati, MJ Zamiri, D Mehrabani, H Bordbar, S Alae. P-70 the stereological evaluation of testis structure on protective effect of quercetin against lead acetate toxicity. *International Journal of Reproductive BioMedicine*. 2021.

11- **H Bordbar**, F Soleymani, E Nadimi, SS Yahyavi, K Fazelian-Dehkordi. A quantitative study on the protective effects of resveratrol against bisphenol A-induced hepatotoxicity in rats: a stereological study. *Iranian journal of medical sciences*. 2021.

12- **Bordbar H**, Bordbar A, Golafshan F, Rahmani Moghadam E. The protective effect of HMG on rat ovarian structure following the use of nandrolone decanoate: From a histological standpoint. *Scientific Journal of Kurdistan University of Medical Sciences*. 2021.

13- A Bolouki, F Zal, **H Bordbar**. Ameliorative effects of quercetin on folliculogenesis in diabetic mice: a stereological study. 2020.

14- H. Arabion, **H. Bordbar**, S. Dehghani, R. Ebrahimi. E. Aliabadi, I. Ghanbari. Effects of different storage media temperatures and times on osteoblast preservation in autogenous bone grafts: A histomorphometrical analysis. *J Dent Shiraz Unive Med Scien*. 2020.

15- **Bordbar H**, Soleimani F. Fazelian KH. Protective effects of Resveratrol against Bisphenol A- Induced Hepatotoxicity in rats: A stereological study. *IJMS*. 2019.

16- Farzaneh Dehghani, Hamideh Aboutalebi, Tahereh Esmailpour Mohammad Reza Panjehshahin, **Hossein Bordbar***. Effect of Platelet-Rich Plasma (PRP) on Ovarian Structures in Cyclophosphamide- induced Ovarian Failure in Female Rats: A Stereological Study. *Toxicol Mech Methods*. 2018 Nov; 28(9):653-659.

17- Mesbah S.F, **Bordbar H**, Talaei T, Dehghani F, Mirkhani S.H. Non-preventive effects of human menopausal gonadotropins on ovarian

tissue in nandrolone decanoate-treated female rats: A histochemical and ultra-structural study. *Int J Reprod BioMed*.2018, 16(3).

18- Pajokh M, Talaei T, **Bordbar H**, Mesbah S.F. Apoptosis, autophagy and necrosis in the embryonic gonadal ridge and newborn ovaries of mice: an animal model. *IJMS*. 2018.

19- Pajokh M, Talaei T, **Bordbar H**, Mesbah S.F Investigation of different cell death types in the follicular atresia of juvenile mouse ovary. *IJVR* 2018.

20- The use of platelet-rich plasma (PRP) to improve structural impairment of rat testis induced by busulfan. Farzaneh Dehghani, Narges Sotoude, **Hossein Bordbar**, Saied Karbalay-Doust. *Platelet J*.2018.

21- Bordbar H, Mesbah S.F, Talaei T, Dehghani F, Mirkhani S.H. Modulatory effect of gonadotropins on the rat's ovaries after administration of nandrolone decanoate: A stereological study. *Iran J Med Sci*. 2014; 39(1): 44-50.

22- **Bordbar H**, Esmailpour T, Dehghani F, Panjehshahin M.R. Stereological study of the effect of ginger's alcoholic extract on the testis in busulfan- induced infertility in rats. *Iran J Reprod Med*. 2013; 11(6): 467-72.

23- F Mesbah, MA Ghayyoumi, MA Tozihian, **H Bordbar**. The Effects of Formaldehyde among Medical Students in Anatomy Dissection Laboratory of Shiraz School of Medicine. *Journal of Iranian Anatomical Sciences*, 2010.

24- Safikhani Z, Afzali N, **Bordbar H**. Comparing the brain growth in normal children and those with congenital heart disease. *Pakistan J Med Sci*. 2007; 232(3): 398-400.

25- Safikhani Z, Afzali N, **Bordbar H**. Determination of anatomical type of head and face in children under 6 years in Ahvaz. *Acta Medica Iranica*. 2007; 45(1): 43-5.

Participation in congresses:

1-Ebrahim Rahmani Moghadam, **Hossein Bordbar** and et.al. The protective effect of resveratrol against bisphenol-A induced oral mucosa and tongue toxicity in male rats. International congress on veterinary anatomical sciences. March 3-4. 2021.

2-Ebrahim Rahmani Moghadam, **Hossein Bordbar**. Glaucium flavum induction autophagy in HT-29 cancer cells. 26th international congress of Isfahan biomedical sciences. 1st October, 2020.

3-Sedigheh Saberifar, **Hossein Bordbar**. Effect of glaucium flavum extract on bax and Bcl2 genes expression in HT-29 cancer cells. 26th international congress of Isfahan biomedical sciences. 1st October, 2020.

- 4- **Bordbar H**, Soleimani F, Fazelian KH. Protective effects of resveratrol against bisphenol A induced hepatotoxicity in rat. 24th Iranian 3rd international congress of physiology and pharmacology. 30 Oct – 01 Nov 2019.
- 5- **Bordbar H**, Rahmani Moghadam E. Comparative study of the effect of hydro alcoholic extract of glaucium flavum and vitamin c on leukocyte levels in male rats. 12th international congress of medical lab. And clinic.2018.
- 6- Yahyavi S, Bordbar H, Aliabadi E, Dehghani F, Noorafshan A. Resveratrol protects the testis in bisphenol A-treated rats: A stereological study. 17th Royan International Twin Congress. 31 August-2 September. 2016.
- 7- **Bordbar H**, Mesbah S.F, Talaei T, Dehghani F, Mirkhani S.H. Ultrastructural and histochemical studies of ovarian follicles after nandrolone decanoate administration in adult rat. 2nd International Congress on Reproduction. Tehran. 2016.
- 8- **Hossein Bordbar** , Fakhroddin Mesbah. Reversible effects of Gonadotropins on Rat's uterus structure after Nandrolone Decanoate Administration: A Stereological Study. 2nd International Congress of Microscopic Studies. Shiraz. 2016.
- 9- **Bordbar H**, Mesbah S.F, Talaei T, Dehghani F, Mirkhani S.H. Ultrastructural and histochemical studies of ovarian follicles after nandrolone decanoate administration in adult rat. 2nd International Congress on Microscopic Studies. Shiraz. 2016.
- 10- Dehghani F, Setoodeh N, Karbalaey doust S, **Bordbar H**. The effects of plasma rich protein on rat testes after busulfan administration: A stereological study. International Congress on Reproductive. 1st ISERB 2015.
- 11- **Bordbar H**, Noorafshan A, Yahyavi S, Aliabadi E, Dehghani F. Possible protective effects of grape seed oil on the testes after bisphenol- A administration in rat : A stereological study. 2nd International Congress on Microscopic Studies. Shiraz. 2016.
- 12- Dehghani F, Abutalebi H, **Bordbar H**. Study of therapeutic effects of Platelet Rich Plasma (PRP) on the cyclophosphamide

induced pre-mature ovarian failure in adult female rat (a stereological study). 2nd International Congress on Microscopic Studies. Shiraz. 2016.

- 13- Dehghani F, Setoodeh N, Karbalaey doust S, **Bordbar H**. The effects of plasma rich protein on sperm parameters after busulfan administration in rat. International Congress on Reproductive. 1st ISERB 2015.
- 14- **Hossein Bordbar** , Fakhroddin Mesbah . Reversible effects of Gonadotropins on Rat's uterus structure after Nandrolone Decanoate Administration: A Stereological Study. 2nd Veterinary Basic Sciences Congress. Shiraz, IRAN. 2014.
- 15- **Bordbar H**, Mesbah S.F, Talaei T, Dehghani F, Mirkhani S.H. Modulatory effect of gonadotropins on rats's ovarian follicles apoptosis after nandrolone decanoate administration: A stereological study. 2nd Veterinary Basic Sciences Congress. Shiraz, IRAN. 2014.
- 16- **Bordbar H**, Mesbah S.F, Talaei T, Dehghani F, Mirkhani S.H. Effect of nandrolone decanoate on ultrastructural alternations of rat ovarian follicles. 11th Iranian Congress of Anatomical Sciences. Ahvaz, IRAN. 19-21 Feb. 2014.
- 17- **Bordbar H**, Mesbah S.F, Talaei T, Dehghani F, Mirkhani S.H. Modulatory effect of gonadotropins on the structure of rats' ovaries after administration of nandrolone decanoate: A stereological study. 11th Iranian Congress of Anatomical Sciences. Ahvaz, IRAN. 19-21 Feb. 2014.
- 18- **Bordbar H**, Mesbah S.F, Talaei T, Dehghani F, Mirkhani S.H. Programmed cell death in rat ovary after nandrolone decanoate administration. 11th Iranian Congress of Anatomical Sciences. Ahvaz, IRAN. 19-21 Feb. 2014.
- 19- **Hossein Bordbar**, Tahereh Esmailpour, Farzaneh Dehghani, Mohammad Reza Panjehshahin. Stereological study of the effect of ginger's alcoholic extract on the testis in busulfan-induced infertility in rats. 11th Iranian Congress of Anatomical Sciences. Ahvaz, IRAN. 19-21 Feb. 2014.

- 20- **Bordbar H**, Dehghani F, Panjehshahin M.R, Esmailpour T. Stereological study of the effect of ginger's alcoholic extract on the testis in busulfan- induced infertility in rats. Iranian congress of Reproductive Medicine.2010.
- 21- F Mesbah, MA Ghayyoumi, MA Tozihian, **H Bordbar**. The Effects of Formaldehyde among Medical Students in Anatomy Dissection Laboratory of Shiraz School of Medicine. 9 th Iranian Congress of Anatomical Sciences. Hamedan, Iran. 2010.
- 22- Safikhani Z, Afzali N, **Bordbar H**. The comparation study of the brain growth and its volume by using anthropological indexes in under 6 years' normal and those who suffering congenital heart disease. 4th Asian-Pacific International Congress of Anatomists. Kusadasi- Turkey. 7-10 Sep 2005.
- 23- Safikhani Z, Afzali N, **Bordbar H**. Determination of anatomical type of head and face in children under 6 years in Ahvaz. Iranian Congress of Anatomical Sciences. Shiraz, Iran. 2005.

BOOKS:

- 1-Respiratory system. By Zahra Vojdani, Farzaneh Ketabchi, Hossein Bordbar. 2014.
- 2-Nervous system and sensory organs (anatomy, histology and embryology). By Fakhredin Mesbah Ardekani, Hossein Bordbar. 2023.