



Curriculum Vitae (CV)

Name in full: Amaneh Mohammadi Roushandeh

Affiliation:

- Department of Anatomical Sciences, Medicine Faculty, Medical University of Hamadan, Hamadan, Iran.

-Medical Biotechnology Research Center, Paramedicine Faculty, Guilan University of Medical Sciences, Rasht, Iran

E-mail: mohammadi_roushnadeh@gums.ac.ir

dinachal@yahoo.com

dinachal@gmail.com

Tel: 09143078216

Languages: Persian, English

Educational history and teaching experiences:

♣ Ph.D., in Anatomical Sciences, (2001-2006), Faculty of Medicine, Tehran University of Medical Science, Tehran, Iran

♣ M.Sc, in Anatomical Sciences, (1998-2001), Faculty of Medicine, Iran University of Medical Science, Tehran, Iran

♣ B.Sc, in Physical Therapy, (1993-1986), Faculty of Rehabilitation, Shahid beheshti University of Medical Science, Tehran, Iran

♣ Teaching of Gross Anatomy, Histology and Embryology (2006- present).

♣ Teaching experience in Animal cell culture for postgraduate students (2006-present)

Activities:

♣Member of Royan Institute Referee committee from 2013 till now

♣Scientific member of heart team of council for stem cell sciences and technology

♣Membership of Iranian Anatomical Sciences Association

♣Director of educational affair of medicine faculty of Hamadan University of Medical Sciences

♣ Member of Educational council of medicine faculty of Hamadan University of Medical Sciences

♣Member of selected committee of Hamadan University of Medical Sciences

♣Partial Membership of Cell therapy Division, HUMS, Hamadan-Iran (2015-present)

♣Partial Membership of molecular Genetic research center, HUMS, Hamadan-Iran (2011- present)

♣ Member of E-learning committee of medicine faculty of Hamadan University of Medical Sciences

♣Member of EDO of Hamadan University of Medical Sciences

♣ Physiotherapy in Imam Khomeini hospital of Ilam and private physical therapy clinic

Work experiences in abroad:

♣ Work as a Ph.D student in Obstetrics and Gynecology Department of Tohoku University, Japan from 2004-2005 by Six months scholarship from Iran Health Ministry

♣ Work as an investigator at Pathology department of Institute of development, aging and Cancer (IDAC), Tohoku University, Japan (2015)

♣ Work as an investigator in Division of Dynamic Proteome and IDAC Fellow Research Group for DNA Repair and Dynamic Proteome, Institute of Development, Aging and Cancer (IDAC), Tohoku University (2015-2016)

Research field of interest:

♣ Mesenchymal stem cells and their therapeutic effects on animal model of diseases

♣ Cancer Biology

♣ Tissue engineering

♣ Antioxidants and IVM and IVF

♣ Herbal extract on cancer

Technical experience:

Animal cell culture, Animal model, Immunohistochemistry, Immunocytochemistry, , Collection of oocyte and sperm, Sperm parameters analysis, IVM, IVF, IVC, PCR, Western blotting, Recombinant protein expression system, Experience in proteomics, Insect cell culture system

Awards:

- ♣ Scholarship for PhD from faculty of medicine, Medical university of Tabriz.
- ♣ Distinguished researcher selected by health ministry, 2009
- ♣ Distinguished researcher selected by Tabriz medical university, 2011
- ♣ Distinguished educational project in new methods in anatomy learning in Shahid Motahari festival of Tabriz, 2011
- ♣ Distinguished teacher selected by medicine faculty of Hamadan University of Medical Sciences, 2014

Students in my supervision

- ♣ 1 Ph.D student of Anatomical sciences (Supervisor)
- ♣ 1 Ph.D student of pediatrics Dentistry (Supervisor)
- ♣ 6 Ms student of Anatomical sciences (supervisor)
- ♣ 4 Ms student of developmental biology (supervisor)
- ♣ 2 Ms student of genetic (supervisor)
- ♣ 4 Ms student of anatomical sciences (adviser)
- ♣ 2 Ms student of physiology (adviser)
- ♣ 1 Ms student of developmental biology(adviser)

Projects (supervisor):

- ♣ Effects of hyaloronan of motility, morphology and viability of human sperm.

- ♣ Effects of cysteamine on IVM, IVF and IVC rate, glutathione level and cytoskeleton system of oocytes in mouse
- ♣ Effects of LIF on IVM rate and gp130 gene expression in mouse oocytes
- ♣ Effects of EMF on lipocalin 2 and metallothionein genes expression
- ♣ Effects of polygonum aviculare on apoptosis and proliferation of MCF-7 cell line
- ♣ Effects of polygonum aviculare on apoptosis and proliferation of induced breast cancer with DMBA in rat
- ♣ Biomimetics and biosteel project (spider silk)
- ♣ Differentiation of mesenchymal stem cell to germ cell with TTC medium in busulfan induced azospermia
- ♣ Effects of MS14 on lcn2 gene expression and remyelination in EAE induced mouse.
- ♣ Preparation of human brain coronal, sagittal and axial sections and comparison of the advanced method in Neuroanatomy education with traditional methods
- ♣ Preconditioning of Mesenchymal stem cell with H₂O₂ and in vivo study in liver failure model of mouse.
- ♣ Mir-143 and mir-93 as biomarkers in digestive system cancers
- ♣ Preconditioning of stem cell with hypoxia and study its effects on proliferation and apoptosis of the cells
- ♣ Effects of digoxin and bufalin on cancer cell lines (HeLa, KB and HepG2)
- ♣ Preconditioning of stem cells with hypoxia and H₂O₂ and study its effects on proliferation and apoptosis of the cells
- ♣ Preconditioning of stem cells with food deprivation and H₂O₂ and study its effects on proliferation and apoptosis of the cells
- ♣ Effects of trimix antibiotics on mesenchymal stem cells isolated from human Pulp
- ♣ Study of the neurotrophic effects of H₂O₂-preconditioned bone marrow derived mesenchymal stem cells in spinal cord injury in rat

♣ Combined effects of cerebral dopamine neurotrophic factor and preconditioned bone marrow- driven mesenchymal stem cells in contusion spinal cord injury

Publications:

* Denotes corresponding author

Year 2017

67- Yoshikazu Kuwahara, Mehryar Habibi Roudkenar, Yusuke Urushihara, Yohei Saito, Kazuo Tomita, **Amaneh Mohammadi Roushandeh**, Tomoaki Sato, Akihiro Kurimasa, Manabu Fukumoto. Clinically relevant radioresistant cell line: a simple model to understand cancer radioresistance. Med Mol Morphol DOI 10.1007/s00795-017-0171-x

66- Yoshikazu Kuwahara¹, Mehryar Habibi Roudkenar, Yusuke Urushihara, Yohei Saito, Kazuo Tomita, **Amaneh Mohammadi Roushandeh**, Tomoaki Sato, Akihiro Kurimasa, Manabu Fukumoto. X-Ray Induced Mutation Frequency at the *Hypoxanthine Phosphoribosyltransferase* Locus in Clinically Relevant Radioresistant Cells. International Journal of Medical Physics, Clinical Engineering and Radiation Oncology. DOI: 10.4236/****.2017.***** **** **, 2017 (In press).

65-Reiko Watanabe, Shin-ichiro Kanno, **Amaneh Mohammadi Roushandeh**, Ayako Ui, Akira Yasui. Nucleosome remodelling, DNA repair and transcriptional regulation build negative feedback loops in cancer and cellular aging. Philosophical Transactions. Philos Trans R Soc Lond B Biol Sci. 2017 Oct 5;372(1731).

64- Shiva Khatibi,¹ Zahra Farzaneh Taban,¹ and **Amaneh Mohammadi Roushandeh**. In Vitro Evaluation of Cytotoxic and Antiproliferative Effects of *Portulaca oleracea* Ethanolic Extract on HeLa Cell Line. Gene Cell Tissue. 2017 January; 4(1):e41565.

63-**Amaneh Mohammadi Roushandeh**, Marzie Bahadori, Mehryar Habibi Roudkenar
Mesenchymal Stem Cell-based Therapy as a New Horizon for Kidney Injuries. Arch Med
Res. 2017 Feb;48(2):133-146

62-- Mehryar habibi Roudkenar, Raheleh halabian, Hossein Abdol Tehrani, Fatemeh
Amiri, Ali jahanian Najafabadi, **Amaneh Mohammadi Roushandeh**, Zahra Abbasi
Malati, Yushikazu Kuwahara. Lipocalin 2 enhances mesenchymal stem cells-based cell
therapy in acute kidney injury rat model. Cytotechnology. DOI : 10.1007/s10616-017-
0107-2 (In press)

61- Atefeh Tahervand , Behnaz Parnian , Mehryar Habibi Roudkenar and **Amaneh
Mohammadi Roushandeh**. Digoxin Effectively Inhibited Cell Growth and Induced
Senescence in Cervical Cancer Cell Line. Gene, Cell and Tissue: Apr 2017, 4 (2).

60- Shirin darabi, Hooshang Rafighdoost, **Amaneh Mohammadi Roushandeh**. Digoxin
Induced Apoptosis in Mesenchymal Stem Cells: An In Vitro Study. Report in pharmacology.
2017, 6(2), 142-149

Year 2016

59- Atefeh Tahervand, Minoos Mahmoodi, **Amaneh Mohammadi Roushandeh***.
Digoxin Effectively Decreased Proliferation of Liver Cancer Cell Line. Focus Sci.
2016; 2 (1): 1-6

58- Mohammad Hossein Ansari, Shiva Irani, Hourii Edalat, Ruhul Amin , **Amaneh
Mohammadi Roushandeh***. Deregulation of miR-93 and miR-143 in human
esophageal cancer. Tumor Biol. (2016) 37:3097–3103

57 - Zahra Farzaneh Taban, Shiva Khatibi, Raheleh Halabian, **Amaneh
Mohammadi Roushandeh***. The Effects of Preconditioning on Survival of
Mesenchymal Stem Cells in Vitro . Gene Cell Tissue. 2016, doi: 10.17795/gct-
40229.

56- Shiva khatibi, Farzaneh Taban, Raheleh Halabian, **Amaneh Mohammadi
Roushandeh***. Combined preconditioning with hypoxia and
HydrogenPeroxideImprovedefficiency of Mesenchymal Stem Cell in cell culture.
Entomology and applied science letter. (2016); 3 (5): 89-96

55-Hooshang Rafighdoust, **Amaneh Mohammadi Roushandeh** , Shirin Darabi , Motahareh Mortazavi , Amir Rafighdoust. Cytotoxic Effects of Digoxin on Mesenchymal Stem Cells: An in Vitro Study. Anatomical Sciences. 2016; 11 (4):183-188

54- Shiva Khatibi; Zahra Farzaneh Taban; **Amaneh Mohammadi Roushandeh***.In Vitro evaluation of Cytotoxic and Antiproliferative Effects of *Purtulaca oleracea* Ethanolic Extracton on HeLa Cell Line. Gene Cell Tissue.In press.(2016)

Year 2015

53- Amiri F, Halabian R, Dehgan Harati M, Bahadori M, Mehdipour A, **Mohammadi Roushandeh A, et al.**, Positive selection of Wharton's jelly-derived CD105₊ cells by MACS technique and their subsequent cultivation under suspension culture condition: A simple, versatile culturing method to enhance the multipotentiality of mesenchymal stem cells.Hematology. 2014 ; 20(4): 208-216Aug 12.

52- **Amaneh Mohammadi Roushandeh***; Zohreh Alizadeh; Mohammad Ali Owchi; AliehsanSaleh; Yusef Abbasi; Marziyeh Pooladi. Improvement of Motivation and Learning Level in Neuroanatomy Among Hamadan Medical Students Using Human Brain Sections Avicenna J Neuro Psych Physio. 2015; 2(2):1 -5

51- Peiman Brouki Milan, Daryoush Mohammadnejad, Roudkenar M.H, Abbas Delazar, **Amaneh Mohammadi Roushandeh***. Efft of Herbal Extract of Polygonum Aviculare on Lipocalin 2 Expression Aftr EMF Exposure in Mouse Testis. Focus Sci. 2015; 1(1):1-3

50- Bahareh Bahmani, Fatemeh Amiri, **Amaneh Mohammadi Roushandeh**, Marzie Bahadori, et al. The Lcn2-engineered HEK-293 cells show senescence under stressful condition. Iran J Basic Med Sci.2015; 18(.5): 459-464

49- **Amaneh Mohammadi Roushandeh***, Iraj Salehi, and Motahareh Mortazavi. Protective Effects of Restricted Diet and Antioxidants on Testis Tissue in Rats Fed with High-Fat Diet. Iranian Biomedical Journal. 2015; 19 (2): 96-101

48- Pooladi M, Amiri I, Alizadeh Z, Talebzadeh F , Abbasi Y , **Mohammadi Roushandeh A***. Mesenchymal stem cells proliferation exposed to hypoxia. Journal of Gorgan University of Medical Sciences. 2015; 17(3):69-74

47- Maryam Sohrabi,, **Aaneh Mohammadi Roushandeh**, Zohreh Alizadeh, Aliasghar Vahidinia, Mehrangiz Vahabian, Mahnaz Hosseini. Effect of a high fat diet on ovary morphology, in vitro development, in vitro fertilisation rate and oocyte quality in mice. Singapore Med J. 2015; 56(10): 573-579

46- Zahra Azarifar, Motahareh Mortazavi, Rozbeh farhadian, Soraya Parvari, **Amaneh Mohammadi Roushadeh***. Cytotoxicity Effects of Aqueous Extract of *Purtulaca oleracea* on HeLa Cell Line. Pharmaceutical Sciences. 2015; 21: 41-45

45- Iraj Salehi; Shirin Moradkhani; **Amaneh Mohammadi Roushandeh**; Hamideh Nazari; Alireza Pouyandeh Ravan. Controversial effects of *Calendula offinalis* L. on Biochemical and Pathological Factors of nephropathy in Diabetic Wistar Rats. *Avicenna J Med Biochem*. 2015; 3(2): 1-7

44- Molaei S, Roudkenar MH, Amiri F, Harati MD, Bahadori M, Jaleh F, Jalili MA, **Amaneh Mohammadi Roushandeh**. Down-regulation of the autophagy gene, ATG7 protects bone marrow-derived mesenchymal stem cells from stressful conditions *Blood Res*. 2015; 50(2):80-6

43-Sedigheh Molaei , Mehryar Habibi Roudkenar , Fatemeh Amiri, Mozhgan Dehghan Harati , Marzie Bahadori , Fatemeh Jaleh , Mohammad Ali Jalili , **Amaneh Mohammadi Roushandeh**. Down-regulation of the autophagy gene, ATG7, protects bone marrow-derived mesenchymal stem cells from stressful conditions. *Blood research*. 2015; 50(2): 80-6

Year 2014

42-Motahareh Mortazavi, Iraj Salehi, Zohreh Alizadeh, Mehrangiz Vahabian, **Amaneh Mohammadi Roushandeh***. Protective Effects of Antioxidants on Sperm Parameters and Seminiferous Tubules Epithelium in High Fat-fed Rats. *J Reprod Infertil*. 2014;15(1):22-28

41- Sara Ansari, Peiman Brouki Milan, Daryoush Mohammadnejad, Abbas Delazar4, Motahareh Mortazavi, **Amaneh Mohammadi Roushandeh***. Effects of Polygonum avicular Extract on Histological Changes of Mouse Seminiferous Tubules after Electromagnetic Field Exposure. *Pharmaceutical sciences*, 2014, 19(4), 139-144

40- Abbas Ebrahimi Kalan, Jafar Soleimani Rad, Laya Kafami, Daryoush Mohamadnezhad, Amir Afshin Khaki, **Amaneh Mohammadi Roushandeh***. MS14, a marine herbal medicine acts as an immunosuppressive drug in Experimental Autoimmune Encephalomyelitis. *Iran Red Crescent Med J*. 2014; 16(7):1-10

39- Abbas Ebrahimi-Kalan, Jafar Soleimani Rad, Laya Kafami, Daryoush Mohammadnejad, Mehryar Habibi Roudkenar, Amir Afshin Khaki, Zeynab Aliyari Serej, **Amaneh Mohammadi Roushandeh***. MS14 (marine herbal drug) Downregulates Lipocalin2 Expression in Spinal Cord Tissue in Animal Model of Multiple Sclerosis in female C57BL/6. *Iran Biomed J*. 2014;18(4):196-202.

38- Abbas Bakhtiari, Seyed Mohammad Hosseinipanah, **Amaneh Mohammadi Roushandeh***. Morphine Decreased Peritoneal Adhesion in Addicted Male Rats after Abdominal Surgery. *Pharmaceutical sciences*. 2014; 20(1): 18-21

37- Behrooz Niknafs, Ahmad Mehdipour., **Amaneh Mohammadi Roushandeh**. Melatonin improves development of early mouse embryos impaired by actinomycin-D and TNF- . *Iran J Reprod Med*. 2014; 12(12):

Year 2013

36- Mortoza Rashtbar, Daryoush Mohammadnejad, Ali Abed Elahi, **Amaneh Mohammadi Roushandeh**. Protection Role of GnRH Antagonist on Cisplatin Infertility Side Effects. *Pharmaceutical sciences*. 2013; 19(2): 45-51

35- Mortazavi, Motahareh, **Mohammadi Roushandeh A***. "Anticancerous effects of Polygonum avicular exert through Fas ligand and Bcl2." *Basic & Clinical Cancer Research*. 2013; 3: 1-5

Year 2012

34-Mohammad Mohammadzadeh & Raheleh Halabian & Ahmad Gharehbaghian & Naser Amirizadeh & Ali Jahanian-Najafabadi & **Amaneh Mohammadi Roushandeh** et al. Nrf-2 overexpression in mesenchymal stem cells reduces oxidative stress-induced apoptosis and cytotoxicity. *Cell Stress and Chaperones*. 2012; 17:553–565.

33- Roudkenar M.H, ParisaBahmani, Raheleh Halabian, **Amaneh Mohammadi Roushandeh**, Ali JahanianNajafabadi, Mohammad Ali Shokrgozar. HESA-A exerts its cytoprotective effects through scavenging of free radicals: an in vitro study. *IJMS*. 2012; 37 (1): 47-53 799-804

Year 2011

32- Roudkenar M.H, **Amaneh Mohammadi Roushandeh**, Abbas Delazar, Raheleh Halabian, Jafar Soleimani Rad, Ahmad Mehdipour, Mozhdeh Bagheri. Effects of polygonum aviculare herbal extract on proliferation and apoptotic gene expression of MCF-7. *DARU*. 2011; 19(5): 326-331

31-P. Bahmani, G.H. Hassanshahi, R. Halabian, A. **Mohammadi Roushandeh, A.** et al. The Expression of Heme Oxygenase-1 in Human-Derived Cancer Cell Lines. *IJMS*. 2011; 36(4): 260-265.

30-Beheshti R, **Mohammadi-Roshandeh A**, Giasi Ghalehkandi J., Ghaemmaghami S, Houshangi A.F. Effect of Antioxidant Supplements on in Vitro Maturation of Bovine Oocyte. *Advances in Environmental Biology*. 2011; 5(7): 1473-1475.

29-Hamed-Asl P, Halabian R, Bahmani P, Mohammadipour M, Mohammadzadeh M, **Roushandeh AM**, Jahanian-Najafabadi A, et al. Adenovirus-mediated expression of the HO-1 protein within MSCs decreased cytotoxicity and inhibited apoptosis induced by oxidative stresses. *Cell Stress Chaperones*. 2011; 17:181–190

28- Abbas Ebrahimi-Kalan, Roudkenar M.H, Raheleh Halabian, Peiman Broki Milan, Armin zarrintan, **Amaneh Mohammadi Roushandeh***. Down-regulation of Metallothionein1 and 2 after exposure to Electromagnetic Field in mouse testis. *IBJ*. 2011; 15 (4): 151-156

Year 2010

27- **Amaneh Mohammadi Roushandeh***, Raheleh Halabian, Jafar Soleimani Rad, Behnaz Sadeghzadeh Oskouei, Ahmad Mehdipour, et al. High Frequency Electromagnetic Field Induces Lipocalin 2 Expression in Mouse Liver. Iranian Journal of Basic Medical Sciences. 2010; 13 (3): 139-145

26- Parisa Bahmani, Raheleh Halabian, Mehdi Rouhbakhsh, **Amaneh Mohammadi Roushandeh**, Nasser Masroori, et al. Neutrophil Gelatinase-Associated Lipocalin induces the expression of heme oxygenase-1 and superoxide dismutase. Cell Stress and Chaperones. 2010; 15:395–403

25- **Amaneh Mohammadi Roushandeh***, Hasan Haji Hosseinlou, Behrouz Niknafs, Raheleh Halabian, Ahmad Mehdipour, Roudkenar M.H. Effects of Leukemia Inhibitory Factor on gp130 expression and rate of Metaphase II development during In Vitro Maturation of mouse oocyte. IBJ. 2010; 14 (3): 103-107.

Year 2009

24- **Amaneh Mohammadi Roushandeh**, Aligholi Sobhani, Farnaz Sohrabvand, Saeed Amanpour, Parichehr Pasbakhsh, Feridoon Sargolzaei, Mohammad Salehi. Effects of different doses of hyaluronan on human sperm motility and vitality. Acta Medica Iranica. 2009; 47(5): 369-372

23- Roudkenar M.H, Mahshid Mohammadipoor, Arezoo Oodi, Raheleh Halabian, Naser Amirizadeh, Nasser Masroori, **Amaneh Mohammadi Roushandeh**, Kazem Parivar, Hourii Rezvan. Stable expression of recombinant RhD antigen isolated from cord blood in K562 cell line. Iranian Journal of Blood and Cancer. 2009; 2: 69-73

22- Mohammadipoor M., Roudkenar M.H, Masroori N., **Mohammadi Roushandeh A.**, Saki S. Expression of Green Fluorescent Protein (GFP) using In Vitro translation cell free system. DARU. 2009; 17(1): 60-63.

21- **Amaneh Mohammadi Roushandeh**, Roudkenar M.H. . Meiotic spindle configuration is influenced by cysteamine during in vitro maturation of mouse oocytes. 2009; 13 (2): 73-78.

20- R. Halabian, Roudkenar M. H., N. S. Esmaeili, N. Masroori, **A. M. Roushandeh** & A. J. Najafabadi. Establishment of a cell line expressing recombinant factor VII and its subsequent conversion to active form FVIIa through hepsin by genetic engineering method. *Vox Sanguinis*. 2009; 96: 309–315.

19- Roudkenar M.H, Raheleh Halabian, **Amaneh Mohammadi Roushandeh**, Mohammad Reza Nourani, Nasser Masroori, Majid Ebrahimi, Mahin Nikogoftar, Parisa Bahmani , Ali Jahanian Najafabadi , Mohammad Ali Shokrgozar. Lipocalin 2 regulation by thermal stresses: protective role of Lcn2/NGAL against cold and heat stresses. *Cell Experimental Research* 2009; 315(18): 3140-51.

18- **Amaneh Mohammadi Roushandeh**, Raheleh Halabian, Parisa Mozafari, et al.. Down-regulation of lipocalin 2 expression in mouse testis after electromagnetic field exposure. *IJMS*. 2009; 34(4): 265-270

17-Raheleh Halabian, Mahdi Edalati Fathabad, Nasser Masroori, **Amaneh Mohammadi Roushandeh**, Sasan Saki, et al. Expression and purification of recombinant fugen protein, His-tag-FVII, trough gateway technology. *Blood Transfusion*. 2009; 7(4): 305–312

16- **Mohammadi Roushandeh A***. Haji Hosseinlou H., Niknafs B.,Halabian R., Rouhbakhsh M, Daneshvar M. Effects of Different Doses of LIF on IVM Rate and Cumulus Expansion in Mouse Oocytes. *Journal of Iranian Anatomical Sciences*, 2009; 7: 25- 31.

Year 2008

15- Roudkenar M.H, Raheleh Halabian, Arezo Oodi, **Amaneh Mohammadi Roushandeh**, Parichehr Yaghmai, Mohamad Reza Najar, Nasser Amirizadeh, and Mohammad Ali Shokrgozar. Upregulation of Neutrophil Gelatinase-associated Lipocalin, NGAL/Lcn2, in b-Thalassemia Patients. *Archives of Medical Research*. 2008; 39: 402e-407

14- P. Tajik, R. Beheshti – Govij, Soleimani –Rad, H. Ghasemzadeh-Nava and A. Mohammadi Roushandeh. Effects of different concentrations of Bovine Follicular Fluid and Estrous Cow Serum on development of Murine 2-Cell Embryo. Pakistan Journal of Biological sciences. 2008; 11(4): 628-632

13- A. Mohammadi Roushandeh*, P. Pasbakhsh, M. Habibi Roudkenar. Presence of Antioxidant in in vitro Maturation Medium and its Effects on Glutathione Level, Spindle Area and Rate of in vitro Fertilization. IJMS. 2008; 33(1): 37-43.

12- Amaneh Mohammadi Roushandeh*, Mohammad karimipour, Abbas Ebrahimi kalan. Left hepatic artery arising from the superior mesenteric artery: A rare anatomic variation in liver supply. Physician and laboratory. 2008; 30: 16-18

11- Roudkenar M.H, Raheleh Halabian, Zahra Ghasemipour, Amaneh Mohammadi Roushandeh, Mahdi Rouhbakhsh, Mahin Nekogoftar, Yoshikazu Kuwahara, Manabu Fukumoto and Mohammad Ali Shokrgozar. Neutrophil gelatinase-associated lipocalin acts as a protective factor against H₂O₂ toxicity. Arch Archives of Medical Research. 2008; 39: 560e566.

10- Roudkenar M.H, Arezoo Oodi, Raheleh Halabian, Mahshid Mohammadipour, Naser Amirizadeh, Naser Massrori, Parisa Mozafari , Essmat Kamali, Amaneh Mohammadi Roushandeh, Hourii Rezvan, Isolation, Cloning, Expression and purification of recombinant RhD antigen from cord blood. Iranian J Publ Health. 2008; 37(3): 36-43

9- Roudkenar M.H, Ghasemipour Z., Halabian R., Mohammadi Roushandeh A., Yaghmai P., Gharehbaghian A., Oodi A., Massrori N., Amirizadeh N., Shokrgozar M.A. Lipocalin 2 acts as a cytoprotective factor against cisplatin toxicity, an in vitro study. DARU. 2008;16(2): 106-111.

Year 2007

8- Amaneh Mohammadi Roushandeh. Mohammad Hossein Noori Mooghahi Mirabbas abdoLVahhab. Mohammad Akbari. Parichehr Pasbakhsh. Mohammad Ali Shokrgozar . Aligholi Sobhani. Fardin Amidi . Roudkenar. M.H. Intracytoplasmic glutathione level in MII oocyte during in vitro maturation of germinal vesicle: Effect of cysteamine. DARU. 2007; 15(1): 12-16

7- Roudkenar MH, Kuwahara Y, Baba T, **Roushandeh AM**, Ebishima Abe S, Ohkubo Y, Fukumoto M. Oxidative Stress Induced Lipocalin 2 Gene Expression: Addressing its Expression under the Harmful Conditions. J Radiat Res. 2007; 48(1):39-44.

6- Roudkenar M.H , Saeid Bouzari, Mana Oolomi, Yoshikazu Kuwahara, **Amaneh Mohammadi Roushandeh**, Taisuke Baba, Manabu Fukumoto. Assessment of GM-CSF receptors by real – time RT - PCR on various cell lines expressing high and low affinity receptors and their relation to cytotoxic effect of chimeric protein (StxA1-GM-CSF) Daru 2007; 15 (3): 151-155

5- **Amaneh Mohammadi Roushandeh***, Parichehr Pasbakhsh, Zohreh Alizadeh, Roudkenar M.H. In vitro maturation media, cysteamine concentration and glutathione level affect blastocysts development in mouse. Iranian Journal of Reproductive Medicine. 2007; 5 (4): 159-163

Year 2006

4- **Amaneh Mohammadi Roushandeh**. Mohammad Hosein Noori Mooghahi, Mohammad Akbari. Parichehr Pasbakhsh. Mohammad Ali Shokrgozar . Aligholi Sobhani . Effect of cysteamine on the rate of In vitro maturation of oocytes in two media. .Acta Medica Iranica. 2006; 44 (3): 167-171.

3- Roudkenar MH, Bouzari S, Kuwahara Y, **Roushandeh AM**, Oloomi M, Fukumoto M. Recombinant hybrid protein, Shiga toxin and granulocyte macrophage colony stimulating factor effectively induce apoptosis of colon cancer cells. World J Gastroenterol. 2006 ; 12(15):2341-4.

2- Roudkenar MH, Oloomi M, Shokrgozar M.A, Shahrokhi N, **Roushandeh AM**, Kuwahara Y, Fukumoto M. Cytotoxic evaluation of stxA1-GM-CSF recombinant hybrid on different cancer cell lines expressing GM-CSF receptor. Blood. SJIBTO 2006; 3(1): 1-8

Year 2005

1- **Amaneh Mohammadi Roushandeh**, Mohammad Taghi Joghatai, Maliheh Noubakht, Kasem Parivar. Neurotoxicity of manganese chloride on cortex thickness and cellular changes in mouse embryo. Iranian Journal of Anatomy. 2004; 3: 45-51