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**EDUCATION**

**Ph.D In Veterinary Surgery**University of Tehran 1995-2001  
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**PUBLICATIONS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1720** | **25** | **158** | **108** | **1** |
| Citations | h-Index | Article | Conference | Book |

***Articles***

**1.** A comparison between therapeutic effects of Salvia Officinalis. Extract, meloxicam and dexamethasone following acute sciatic nerve injury due to analgesic drug injection in rats. Katebian Mahdieh, Pedram Sepehr, Dehghan Mohammad Mehdi, Mansoori Koorosh, Lalehpoor Mahya, Kosarifard Farid (2023)., Advances in Oral and Maxillofacial Surgery, 12(1), 100460.  
  
**2.** Stereological study of testes following experimentally-induced unilateral cryptorchidism in rats. Sadeghinezhad Javad, Yarmahmoudi Fatemeh, Dehghan Mohammad Mehdi, Farzad-mohajeri Saeed, Roomiani Ehsan, Bojarzadeh Hadis, آقابالازاده اصل مهدی, Saeidi Ava, De Silva Margherita (2023)., Clinical and Experimental Reproductive Medicine-CERM, 50(3), 160-169.  
  
**3.** Kaempferol-loaded bioactive glass-based scaffold for bone tissue engineering: in vitro and in vivo evaluation. Esmaeili Ranjbar Faezeh, Farzad-mohajeri Saeed, Samani Saeed, Saremi Jamileh, Khadem Rahele, Dehghan Mohammad Mehdi, Azami Mahmoud (2023)., Scientific Reports, 13(1).  
  
**4.** Transcriptomic and in vivo approaches introduced human iPSC-derived microvesicles for skin rejuvenation. Bakhshandeh Behnaz, جهان افروز زهره, Allahdadi shiva, daryani shiva, Dehghani Zahra, صادقی محیا, Pedram Sepehr, Dehghan Mohammad Mehdi (2023)., Scientific Reports, 13(1).  
  
**5.** In vitro investigation of canine periodontal ligament-derived mesenchymal stem cells: A possibility of promising tool for periodontal regeneration. Sallary Hamideh, صفارپور آنا, Jamshidi Shahram, Ashoori Mehdi, Nassiri Seyed Mahdi, Dehghan Mohammad Mehdi, Ranjbar Esmaeil, Shafieian Reyhaneh (2023)., Journal of Oral Biology and Craniofacial Research, 13(3), 403-411.  
  
**6.** 3D-printed MgO nanoparticle loaded polycaprolactone β-tricalcium phosphate composite scaffold for bone tissue engineering applications: In-vitro and in-vivo evaluation. Safiaghdam Hannaneh, Nokhbatolfoghahaie hanieh, Farzad-mohajeri Saeed, Dehghan Mohammad Mehdi, Farajpour Hekmat, hossein aminianfar, Bakhtiari Zeinab, Jabbari Fakhr Masomeh, Hosseinzadeh Simzar Hosseinzadeh, Khojasteh Arash (2023)., JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, 111(3), 322-339.  
  
**7.** The correlation between osseointegration and bonding strength at the bone-implant interface: In-vivo &amp; ex-vivo investigations on hydroxyapatite and hydroxyapatite/titanium coatings. Ghadami Farhad, Amini Hamedani Mohsen, Rouhi Gholamreza, Saber-Samandari Saeed, Dehghan Mohammad Mehdi, Farzad-mohajeri Saeed, Mashhadiabbas Fatemeh (2022)., JOURNAL OF BIOMECHANICS, 144(1), 111310.  
  
**8.** Saving zone of stasis in burn wounds by nanoliposomal <scp>Mg‐ATP</scp>. Hayai Farzad, Ghamsari Seyed Mahdi, Dehghan Mohammad Mehdi, Taghipour Hamid (2022)., WOUND REPAIR AND REGENERATION, 30(5), 1-12.  
  
**9.** Direct pulp capping with autologous bone marrow derived stem cells in dogs. Farzad-mohajeri Saeed, Pedram Sepehr, Saeedifar Nasrin, Mashhadi Abbas Fatemeh, Dehghan Mohammad Mehdi, Bahrami Naghmeh, Hashemikamangar Sedighe Sadat (2022)., Veterinary Research Forum, 13(2), 193-200.  
  
**10.** Introducing a noninvasive, non-surgical, and reversible animal model for fecal incontinence using abobotulinumtoxinA in dogs. Bangash Mohammad Yasan, Pedram Sepehr, Mehrabi Valiollah, Dehghan Mohammad Mehdi, Mansoori Korosh, Soroori Sarang, Banifazl Sanaz, Dadgar Forough, Mokhber Dezfouli Mohamad Reza (2022)., Veterinary Research Forum, 13(2).  
  
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**12.** In vivo evaluation of bone regeneration behavior of novel b‐tricalcium phosphate/layered double hydroxide nanocomposite granule as bone graft substitutes. Eskandari Neda, Shafiei Seyedeh Sara, Dehghan Mohammad Mehdi, Farzad-mohajeri Saeed (2022)., JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, 110(5), 1001-1011.  
  
**13.** Evaluation of Type 1 and 3 Collagen Genes Expression in the Distal Limb Wounds Treated with Adipose-Derived Mesenchymal Stem Cells and its Comparison with Bone Marrow-Derived Stem Cells in Horses. Malekshahi Mohammad - Mahdi, Ghamsari Seyed Mahdi, Dehghan Mohammad Mehdi, Nikbakht Brujeni Gholamreza, Eyzadi seyed Sadra (2022)., Journal of Veterinary Research, 76(4), 450-458.  
  
**14.** Prefabrication technique by preserving a muscular pedicle from masseter muscle as an in vivo bioreactor for reconstruction of mandibular critical‐sized bone defects in canine models. Nokhbatolfoghahaei Hanieh, Bastami Farshid, Farzad-mohajeri Saeed, Rezai Rad Maryam, Dehghan Mohammad Mehdi, Bohlouli Mahboubeh, Farajpour Hekmat, Nadjmi Nasser, Khojasteh Arash (2022)., JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, 110(7), 1675-1686.  
  
**15.** Introduce of a Simple and Minimally Invasive Approach for Access to Epidural Space in cat. Asadian Asma, Dehghan Mohammad Mehdi, Masoudifard Majid, Salimi Athena (2022)., Eltiam-Iranian Veterinary Surgery Association, 8(1), 18-26.  
  
**16.** Chitosan/PEO nanofibers containing Calendula officinalis extract: Preparation, characterization, in vitro and in vivo evaluation for wound healing applications. خراط زهرا, Amiri Mahdi, سرویان نازنین, Asad Sedigheh, Dehghan Mohammad Mehdi, Kabiri Mahbobe (2021)., INTERNATIONAL JOURNAL OF PHARMACEUTICS, 609(1), 121132.  
  
**17.** Immobilization of bromelain and ZnO nanoparticles on silk fibroin nanofibers as an antibacterial and anti-inflammatory burn dressing. Maedeh Hasannasab, Nourmohammadi Kouhanestani Jhamak, Dehghan Mohammad Mehdi, Ghaee Azadeh (2021)., INTERNATIONAL JOURNAL OF PHARMACEUTICS, 610(1), 121227.  
  
**18.** Dental implants’ stability dependence on rotational speed and feed-rate of drilling: In-vivo and ex-vivo investigations. Mirzaie Tahereh, Rouhi Gholamreza, Dehghan Mohammad Mehdi, Farzad-mohajeri Saeed, Barikani Hamidreza (2021)., JOURNAL OF BIOMECHANICS, 127(1), 110696.  
  
**19.** Fabrication of Superparamagnetic Iron Oxide Nanoparticles for Magnetic Cell Targeting Purposes. Ghasemi Setareh, Dehghan Mohammad Mehdi, Nikbakht Brujeni Gholamreza, Mardjanmehr Seyed Hossein, Vajhi Ali Reza, Mokhber Dezfouli Mohamad Reza, Khoee Sepideh, Jabbari Fakhr Masomeh, Karimi Mohammadreza (2021)., Journal of Veterinary Research, 76(2).  
  
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**21.** Introduction of a Simple and Minimally Invasive Approach for Access to Epidural Space in Cat. Asadian Asma, Pedram Sepehr, Dehghan Mohammad Mehdi, Sadeghinezhad Javad, Masoudifard Majid, Eftekhari Saeideh, Ebrahimi Roja (2021)., International Clinical Neuroscience Journal, 8(3), 118-123.  
  
**22.** Comparison of osteogenic differentiation potential of induced pluripotent stem cells and buccal fat pad stem cells on 3D-printed HA/β-TCP collagen-coated scaffolds. Hashemi Sheida, Mohammadi Amirabad Leila, Farzad-mohajeri Saeed, Rezai Rad Maryam, Fahimipour Farahnaz, Ardeshirylajimi Abdolreza, Dashtimoghadam Erfan, Salehi Mohammad, سلیمانی مسعود, Dehghan Mohammad Mehdi, Tayebi Lobat, Khojasteh Arash (2021)., CELL AND TISSUE RESEARCH, 384(2), 403-421.  
  
**23.** Effects of Pulsed Electromagnetic Field as a Supplement to Topical DimethylSulfoxide and Controlled Exercise in Treatment of Equine SDF Tendonitis. JAVADI SEYEDREZA, Saberi Afshar Feraydon, Dehghan Mohammad Mehdi, Masoudifard Majid, Torki baghbaderani Ehsan, Rabiei Javad, Banani Setare (2021)., Iranian Journal of Veterinary Medicine, 15(2), 175-185.  
  
**24.** Evaluation of the Effects of PRCR on Differentiation of Autologous Mesenchymal Stem Cells into Tenocytes in Rabbit. Hossein Boroujerdi Mersedehsadat, Dehghan Mohammad Mehdi, Saberi Afshar Feraydon, مجید زاده اردبیلی کیوان, Mardjanmehr Seyed Hossein, [] [], Jabbari Fakhr Masomeh (2021)., Journal of Veterinary Research, 75(4), 498-508.  
  
**25.** Capability of core-sheath polyvinyl alcohol–polycaprolactone emulsion electrospun nanofibrous scaffolds in releasing strontium ranelate for bone regeneration. Abdollahi boraei Seyyed behnam, Nourmohammadi Kouhanestani Jhamak, Bakhshandeh Behnaz, Dehghan Mohammad Mehdi, Gholami Hossein, gonzalez zoilo, Sanchez-Herencia Antonio Javier, ferrari begona (2021)., Biomedical Materials, 16(2), 025009.  
  
**26.** Preparation and in vitro Evaluation of Injectable Alginate/Thiolated Chitosan Hydrogel Scaffold for Neural Tissue Engineering. Saadinam Fatemeh, Azami Mahmoud, Pedram Sepehr, Sadeghinezhad Javad, Jabbari Fakhr Massoumeh, Dehghan Mohammad Mehdi (2021)., Regeneration, Reconstruction & Restoration, 6(1).  
  
**27.** An integrated microfluidic device for stem cell differentiation based on cell-imprinted substrate designed for cartilage regeneration in a rabbit model. Yazdian Kashani Sepideh, Keshavarz Moraveji Mostafa, Taghipoor Mojtaba, Kowsari-Esfahan Reza, [] [], Montazeri Leila, Dehghan Mohammad Mehdi, Gholami Hossein, Farzad-mohajeri Saeed, Mehrjoo Morteza, Majidi Mohammad, Renaud Philippe, Bonakdar Shahin (2021)., Materials Science and Engineering: C, 121(1), 1-12.  
  
**28.** Preparation and characterization of 58S bioactive glass based scaffold with Kaempferol‐containing Zein coating for bone tissue engineering. Esmaeili Ranjbar Faezeh, Foroutan Farzad, Hajian Mahdieh, Aii Jafar, Farsinejad Alireza, Ebrahimi-barough Somayeh, Dehghan Mohammad Mehdi, Azami Mahmoud (2020)., JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, 109(9), 1259-1270.  
  
**29.** Prevention of LPS-induced acute respiratory distress syndrome in sheep by bone marrow-derived mesenchymal stem/stromal cells. Sadeghian Chaleshtori Sirous, Mokhber Dezfouli Mohamad Reza, [] [], Dehghan Mohammad Mehdi, Jabbari Fakhr Masomeh, Yadollahi Shokufeh, Mirabad Mohamad Mehdi (2020)., LIFE SCIENCES, 263(263), 118600.  
  
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**31.** Heart As the Target Organ in Thoracoscopy of Rabbit: Introduction of Lens Trocar Approach and Optimal Ventilation Mode. Ebrahimi Roja, Pedram Sepehr, Dehghan Mohammad Mehdi, Izadi niaki Reihaneh, Mokhber Dezfouli Mohamad Reza (2020)., Journal of Veterinary Research, 75(3).  
  
**32.** Short Pretreatment with Calcitriol Is Far Superior to Continuous Treatment in Stimulating Proliferation and Osteogenic Differentiation of Human Adipose Stem Cells. Mokhtari Jafari Fatemeh, Amoabediny Ghassem, Dehghan Mohammad Mehdi, Helder Marco, Zandiehdolabi Behrooz, Klein Nulend Jenneke (2020)., Cell Journal, 22(3), 293-301.  
  
**33.** Cartilage regeneration with dual‐drug‐releasing injectable hydrogel/microparticle system: In vitro and in vivo study. Naghizadeh Ziba, Karkhaneh Akbar, Nokhbatolfoghahae Hanieh, Farzad-mohajeri Saeed, RezaiRad Maryam, Dehghan Mohammad Mehdi, Aminishakib Pouyan, Khojasteh Arash (2020)., JOURNAL OF CELLULAR PHYSIOLOGY, 235(12), 1-11.  
  
**34.** Local and Systemic Administration of Mesenchymal Stem Cells in Regeneration of Mandibular Defects: An Experimental Study. خجسته ارش, Dehghan Mohammad Mehdi, motamedian saeed reza, Farzad-mohajeri Saeed, Nazeman Pantea, Nokhbatolfoghahaie hanieh, Alikhasi Marzieh (2020)., The Journal of "Regeneration, Reconstruction and Restoration" (Triple R), 5(1).  
  
**35.** Comparative study of impact of animal source on physical, structural, and biological properties of bone xenograft. Gashtasbi Fatemeh, Hasannia Shahriar, Hasannia sadegh, Dehghan Mohammad Mehdi, Sarkarat Farzin, Shali Abbas (2020)., XENOTRANSPLANTATION, 126(28), 1-13.  
  
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**38.** Linear Momenta Transferred to the Dental Implant-Bone and Natural Tooth—PDL-Bone Constructs Under Impact Loading: A Comparative in-vitro and in-silico Study. Karimi Dastgerdi Ayda, Rouhi Gholamreza, Dehghan Mohammad Mehdi, Farzad-mohajeri Saeed, Barikani Hamid Reza (2020)., FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, 8(544), 1-11.  
  
**39.** The Effect of Protelos Content on the Physicochemical, Mechanical and Biological Properties of Gelatin-Based Scaffolds. Abdollahi boraei Seyyed behnam, Nourmohammadi Kouhanestani Jhamak, Bakhshandeh Behnaz, Dehghan Mohammad Mehdi, gonzalez zoilo, ferrari begona (2020)., Journal of Applied Biotechnology Reports, 7(1), 41-47.  
  
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**41.** Recovery of inferior alveolar nerve by photobiomodulation therapy using two laser wavelengths: A behavioral and immunological study in rat. Hakimiha Neda, Dehghan Mohammad Mehdi, Manaheji Homa, Zaringhalam Jalal, Farzad-mohajeri Saeed, Fekrazad Reza, Moslemi Neda (2020)., JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY, 204(1), 1-7.  
  
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**43.** A New Technique of Percutaneous Needle Placement Using Computed Tomography for Injection and Aspiration of the Canine Lumbar Intervertebral Disc. Farzad-mohajeri Saeed, Dehghan Mohammad Mehdi, Sharifi Davoud, Molazem Mohamad, Mokhtari Roshanak, Soroori Sarang, Tavasouli Abbas (2019)., Journal of Veterinary Research, 74(4), 520-526.  
  
**44.** Biological evaluation of porous nanocomposite scaffolds based on strontium substituted β-TCP and bioactive glass: An in vitro and in vivo study. Kazemi Mansure, Azami Mahmoud, Dehghan Mohammad Mehdi (2019)., Materials Science and Engineering: C, 105(4), 110071.  
  
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**72.** Traumatic Diaphragmatic Hernia in A Dog and Its Surgical Treatment: A Case Report. Dehghan Mohammad Mehdi, Saffarian Zahra, Kheyrollahi Atiye, Rezaian Nojani Mohammad, Tabarraei Hadi, Fayaz Mohammad Amin (2014)., The 4th International Symposium of Veterinary Surgery (ISVS 2014), 21-23 October, Mashhad, Iran.  
  
**73.** Syringomyelia in Mix breed dog: a case report. Banifazl Sanaz, Molazem Mohamad, Vali Yasamin, Dehghan Mohammad Mehdi, Babazadeh Shabnam, Iranmanesh Maryam (2014)., The 4th International Symposium of Veterinary Surgery, 21-23 October, Mashhad, Iran.  
  
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**75.** Three dimensional CT scan evaluation of supraspinatous mineralizing tendonopathy and avulsion fracture. Vali Yasamin, Molazem Mohamad, Dehghan Mohammad Mehdi, Farzad Mohajeri Saeed, Saffarian Zahra, Davoudipoor Somaye (2014)., The 4th International Symposium of Veterinary Surgery, 21-23 October, Mashhad, Iran.  
  
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**78.** Extinction Shadows Over Persian Persian Leopard's (Panthera Pardus Saxicolor) Due to Human-Animal Conflict. Memarian Iman, Dehghan Mohammad Mehdi, Molazem Mohamad, Pedram Sepehr, Rostami Amir, Vali Yasamin, Farzad-mohajeri Saeed, Zehtabvar Omid, Ali Reza Shahrdari, Hamedi Farzan, Malakian Nasrin (2014)., International conference on disases of zoo and wild animals 2014, 28-30 May, Warsaw, Poland.  
  
**79.** Reparative effects of PRP on knee joint cartilage defects in rabbit. Raji Mina, Tavasouli Abbas, Safaeie Reyhaneh, Dehghan Mohammad Mehdi, Farzad Mohajeri Saeed, Raji Mitra (2014)., ISKAST2014, 1-3 February, Kish, Iran.  
  
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**83.** Evaluation of two kind of polyvinyl alcohol and polyurethane composite in repair of bone defect in rabbit. Dehghan Mohammad Mehdi, Dabiran Yasamin, Bonakdar Shahin, Sharifi Davoud, Ashrafi Halan Javad (2012)., 16th ESVOT Congress 2012, 12-15 September, BLEU, Italy.  
  
**84.** Application of Mesenchymal Stem Cells in repair of Tendons and Ligaments in horses. Dehghan Mohammad Mehdi (2012)., 17th Iranian Veterinary Congress, 28-30 April, Tehran, Iran.  
  
**85.** Isolation and culture of peripheral blood derived stem cells in rabbit. Abbasnia Pegah, Dehghan Mohammad Mehdi, Nassiri Seyed Mahdi, Farzad-mohajeri Saeed (2012)., 17th Iranian Veterinary Congress, 28-30 April, Tehran, Iran.  
  
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**89.** From Bench Research to Clinical Trails: An Update on Mesenchymal Stem Cell-Based Treatments in Veterinary Medicine. Farrokh Asadi, Gwendal Lazennec, Nowrouzian Iraj, Dehghan Mohammad Mehdi, Christian Jorgensen (2011)., 3rd International Symposium of Veterinary Surgery, 25-28 April, Kish, Iran.  
  
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**91.** Histopathological evaluation of treatment of superficial digital flexor tendinitis with autologus mesenchymal stem cells in horse. Dehghan Mohammad Mehdi, Kazemi Mehrjerdi Hossein, Baghaban Eslaminejad Mohamadreza, Sharifi Davoud, Mardjanmehr Seyed Hossein, Masoudifard Majid, Vajhi Ali Reza (2010)., World Veterinary Orthopedic Congress 2010, 15-18 September, Bologna, Italy.  
  
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**95.** Managing complications in healing the wounds of the lower limb horse areas: genetics or body size. آذری امید, Ghamsari Seyed Mahdi, Dehghan Mohammad Mehdi (2008)., The fifth meeting of Veterinary Clinical Sciences, 23 June, Ahwaz, Iran.  
  
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**97.** Harvesting of Bone Marrow Mesenchymal Stem Cells from Living Rat for Different Autologous Cell Therapy Studies. Pedram Sepehr, Dehghan Mohammad Mehdi, سلیمانی م, ابرکار م, Abdi Mahboobeh, نصیری ز (2008)., 2nd International Symposium of Veterinary Surgery 2nd ISVS, 21-24 April, Kerman, Iran.  
  
**98.** Effects of bvine colostrum on open wound haling in guinea pigs: A preliminary study. Dehghan Mohammad Mehdi, Esmaeili Hossein, Gharagozlou Mohammad Javad, Rabbani Khourasgani Mohammad, حریریان ابراهیم, Bahonar Ali Reza (2007)., 10th Anuual Scientific Meetin of Veterinary Wound Healing Association, 11 November, Berlin, Germany.  
  
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**100.** Heavy Metal Poisoning in Psittacine Birds. Madani Seyed Ahmad, Vajhi Ali Reza, Rostami Amir, Dehghan Mohammad Mehdi, Faskhoudi ghaleh nayebi Davood (2006)., Third National Congress of Small Animal Veterinary Medicine, 12-13 November, Tehran, Iran.  
  
**101.** Surgical Treatment of Cranial Cruciate Ligament Rupture with Extracapsular Method in Dogs : 3cases. عبدی محبوبه, Pedram Sepehr, Dehghan Mohammad Mehdi, ابرکار محمد, جارالمسجد حسین, Soroori Sarang (2006)., The 6th Iranian Symposium of Veterinary Surgery, Anesthesia and Radiology, 31 October-2 November, Mashhad, Iran.  
  
**102.** surgical treatment of cranial cruciate ligament rupture with extracapsular method in dogs: 3 cases. عبدی محبوبه, Pedram Sepehr, Dehghan Mohammad Mehdi, ابرکار محمد, جارالمسجد حسین, Soroori Sarang (2006)., 6th Iranian Symposium of Veterinary Surgery, Anesthesia and Radiology, 31 October-2 November, Mashhad, Iran.  
  
**103.** Intramedullary pinning in left tibia of a parrot. Dehghan Mohammad Mehdi, Pedram Sepehr, ابرکار سهیل, جارالمسجد حسین (2005)., The first International Symposium of Veterinary Surgery, 10-13 May, Shahrekord, Iran.  
  
**104.** Emergency enterotomy to remove a rock from ileum of a terrier dog. Dehghan Mohammad Mehdi, Pedram Sepehr, ابرکار محمد, عبدی محبوبه, جارالمسجد حسین, عباس نیا پگاه (2005)., The First International Symposium of Veterinary Surgery, 10-13 May, Shahrekord, Iran.  
  
**105.** Surgical treatment of vascular ring anomaly in a Doberman puppy: A case report. Dehghan Mohammad Mehdi, ابرکار محمد, Soroori Sarang, کریمان اسدا, النلز آزاد, Pedram Sepehr (2005)., The first International Symposium of Veterinary Surgery, 10-13 May, Shahrekord, Iran.  
  
**106.** Resection of prolapsed iris (Iridectomy) in a mixed Doberman-German shepherd puppy. Dehghan Mohammad Mehdi, Pedram Sepehr, ابرکار محمد, مکرم سارا, شهابالدین (2005)., The First International Symposium of Veterinary Surgery, 10-13 May, Shahrekord, Iran.  
  
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**108.** Traumatic diaphragmatic hernia in cat: Review of 7 cases. توکلی اذین, ابرکار سهیل, Pedram Sepehr, کاظمی حسین, برکتین حسن, Dehghan Mohammad Mehdi (2005)., The first International Symposium of Veterinary Surgery, 10-13 May, Shahrekord, Iran.

**HONORS and AWARDS**

**-** 2019, Tehran, Iran  
  
**In vivo restoration of sever bone defect by nanofibers and stem cells** 2016, Tehran, Iran  
  
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**ACADEMIC POSITIONS**

**COURSES OFFERED**

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**LABORATORIES**