

## CURRICULUM VITAE

Name : Mohammad Bayat

Date of birth: 10/06/1963

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### Education background:

- Tehran University of medical sciences, Tehran, Iran. Fellowship of Facial esthetic surgery.2014
- Munich university, Munich, Germany .Fellowship of Oral and Maxillofacial Surgery (OMFS) traumatology .2003
- Helsinki Finland university, Turku, Finland. Fellowship of oral public health course.1996
- Tehran University of medical sciences, Tehran, Iran. Oral and Maxillofacial Surgery (OMFS).1993
- Shahid Beheshti University (NATIONAL) of medical sciences, Tehran, Iran. Doctor of Dental Surgery (DDS).1988

### Work experience:

1996 – 2000 Deputy of dental school , Shahid Beheshti university (NATIONAL) of medical sciences, Tehran, Iran.

1999-2010 Member of heigh committee Tehran and IRAN medical council

1999-2011 Head of veteran's affair dental and Oral and Maxillofacial Surgery committee

2000-2003 Deputy of Iranian medical council

2000-2010        Secretaria and member of central committee of Iranian Oral and Maxillofacial Surgery association

2003                President of International congress of Oral and Maxillofacial Surgery (Milad Hospital, Tehran, Iran)

2003-2011        Head of department Oral and Maxillofacial Surgery, shariati Hospital, Tehran ,Iran

2003-2011        Director Oral and Maxillofacial Surgery residency program, Tehran university of medical sciences, Tehran, Iran

2004-2005        Head of strategic planning committee, shariati Hospital, Tehran ,Iran

2004-2010        Member of curriculum planning committee of Oral and Maxillofacial Surgery residency program (Ministry of health), Tehran, Iran

2004-2011        Head of Information technology (IT) committee, shariati Hospital, Tehran, Iran

2004-2011        Faculty member of AO educational organization (DAVOS SWISS)

2005                Member of research group dental school, Tehran University of medical sciences, Tehran, Iran

2005-2011        Member of strategic planning committee for Oral and Maxillofacial Surgery (ministry of health)

2005-2011        member of International Association for Dental Research, USA

2007-2011        Member of high committee of Iranian dentists, Tehran, Iran

2007-2011        reviewer International journals of OMFS

2008                scientific director 5th International congress of OMFS (Tehran, Iran)

2008                President of American OMFS refresher course, Antalya, Turkey

2008                Head of committee accreditation of Oral and Maxillofacial Surgery fellowships in IRAN

2008, 2009            Head of implant committee Iranian dentists annual congress ,  
Tehran, Iran

2008-2010            Head of Iranian national Oral and Maxillofacial Surgery board  
examiners, Tehran, Iran

2013-2014            Head of Iranian national Restorative board examiners, Tehran,  
Iran

2008-2010            Member of curriculum planning Doctor of Dental Surgery degree  
(ministry of health), Tehran, Iran

2009-2011            Member of high legal committee of medical council, Iran

2010                    Vice president OMFS refresher course, Istanbul, Turkey

2010-2011            Dean of cranio maxillofacial research center, Tehran University  
of medical sciences, Tehran, Iran

2010-2011            Head of AO Iranian chapter & International lecturer

2010-2011            Member of International College of dentists

2010-2011            Member of International association of Oral and Maxillofacial  
Surgery,

2010-2011            Member of American Oral and Maxillofacial Surgery  
association (AAOMS)

2011                    Regional director American institute of implant dentistry

2013                    Dean of dental school, Tehran University of medical sciences,  
Tehran, Iran

2013                    Chairman of Iranian society of oral and maxillofacial sciences,  
Tehran, Iran

## **Publications:**

1. N Bahrami, H Shahabinejad, A Mohamadnia, S Shirian, H Seifi, M Abniki, **M Bayat**. *The Effects of Nano-honey Containing Hydroxyapatite on Socket Healing*. Biomedical Journal of Scientific & Technical Research. 2019
2. N Bahrami, **M Bayat**, A Ai, S Ebrahimi-Barough, J Ai, A Ahmadi, M Salehi,. *Differentiation of Periodontal Ligament Stem Cells Into Osteoblasts on Hybrid Alginate/Polyvinyl Alcohol/Hydroxyapatite Nanofibrous Scaffolds*. Archives of Neuroscience. 2018
3. F Mohammadi, **M Bayat**, A Jalal Abbasi, H Seifi, P Bayat, N Bahrami. *Evaluation of the Effects of Nano-honey Scaffold on Reconstruction of Calvarial Defects in Rat*. Traditional and Integrative Medicine 3 (2), 63-68. 2018
4. **M Bayat**, M Shariati, F Rajaeirad, MS Yekaninejad, F Momen-heravi. *Facial anthropometric norms of the young Iranian population*. Journal of maxillofacial and oral surgery 17 (2), 150-157. 2018
5. **M Bayat**, AJ Abbasi, AA Noorbala, SZ Mohebbi, M Moharrami,. *Oral health-related quality of life in patients with temporomandibular disorders: A case-control study considering psychological aspects*. International journal of dental hygiene 16 (1), 165-170. 2018
6. AJ Abbasi, F Mohammadi, **M Bayat**, SM Gema, H Ghadirian, H Seifi, *Applications of Propolis in Dentistry: A Review*. Ethiopian journal of health sciences 28 (4). 2018
7. MF Motlagh, **M Bayat**, S Najj. *Bone Allograft: An Option for Total Mandibular Reconstruction*. Craniomaxillofacial trauma & reconstruction 10 (04), 306-313. 2017

8. **M Bayat**, S Shojaei, N Bahrami, A Mohamadnia, P Shojaei. *Protein engineering of recombinant human bone morphogenetic protein 2 with higher interaction with Ca phosphate based scaffold used for osteogenesis.* Journal of Biomedical Materials Research Part A 105 (10), 2799-2805.2017
9. **M Bayat**, M Shariati, V Rakhshan, M Abbasi, A Fateh, F Sobouti. *Cephalometric risk factors of obstructive sleep apnea.* CRANIO® 35 (5), 321-326.2017
10. N Bahrami, **M Bayat**, A Mohamadnia, M Khakbiz, M Yazdankhah, J Ai, *Purmorphamine as a Shh signaling activator small molecule promotes motor neuron differentiation of mesenchymal stem cells cultured on nanofibrous PCL scaffold.* Molecular neurobiology 54 (7), 5668-5675.2017
11. **M Bayat**, N Bahrami, H Bayat, Z Manafi, M Daustany, A Mohamadnia. *Comparison the differentiate ability of wisdom tooth follicle stem cells into nerve and bone tissue.* Journal of Applied Tissue Engineering 4 (1), 11-22.2017
12. N Bahrami, **M Bayat**, A Mohamadnia, S Shojaee, N Bahrami. *Protein Engineering.* MOLECULAR THERAPY 25 (5), 165-165.2017
13. Z Davoudmanesh, **M Bayat**, M Abbasi, V Rakhshan, M Shariati. *Cephalometric risk factors associated with myocardial infarction in patients suffering from obstructive sleep apnea: A pilot case-control study.* CRANIO® 35 (1), 15-18.2017
14. MT Kiani, **M Bayat**, M Ajami, R Beiranvand, EM Golrang, MJ Kharazifard. *Functional outcomes of temporomandibular joint ankylosis treatments: A 10-year cohort study.* Regeneration, Reconstruction, & Restoration 1 (1), 20.2016
15. **M Bayat**, M Parvin, AA Meybodi. *Mandibular subcondylar fractures: a review on treatment strategies.* Electronic physician 8 (10), 3144.2016

- 16.M Bayat**, AJ Abbasi, A Garajei, N Ahmadi. *Giant basal cell carcinoma of the face*. Journal of Craniomaxillofacial Research 1 (1-2), 28-29.2016
- 17.M Momeni**, M Hasheminasab, M Mahmoodi, **M Bayat**. *Effect of pamidronate and calcium on implant osseointegration in ovariectomized rats*. Journal of Craniomaxillofacial Research 1 (1-2), 17-20.2016
- 18.M Bayat**, T Padeganeh, A Javaheri, N Bahrami. *Examining facial soft tissue changes following orthognathic class III (bimax) surgeries applying structured light technique for the design and implementation of 3d facial* . Journal of Craniomaxillofacial Research 3 (3), 223-229.2016
- 19.M Bayat**, AJ Abbasi, Z Simin, A Ahmad, MS Yekaninejad, M Moharrami. *Mental health in patients with temporomandibular disorders referring to School of Dentistry, Tehran University of Medical Science*. Journal of Craniomaxillofacial Research 2 (3-4), 138-141.2016
- 20.M Jafarian**, **M Bayat**, AH Pakravan, N Emadi. *Analysis of the Factors Affecting Surgical Success of Implants Placed in Iranian Warfare Victims*. Medical Principles and Practice 25 (5), 449-454.2016
- 21.Behnam Bohluli**, Payam Varedi, Pedram Bohluli, **Mohammad Bayat**. *The Trigemino-cardiac Reflex and Craniomaxillofacial Surgery*. Trigemino-cardiac Reflex, 137-144.2015
- 22.M Bayat**, F Momen Heravi, M Mahmoudi, NAGHMEH Bahrami. *Bone reconstruction following application of bone matrix gelatin to alveolar defects: a randomized clinical trial*. International journal of organ transplantation medicine 6 (4), 176.2015
- 23.M Momeni**, M Hasheminasab, M Mahmoodi, **M Bayat**. *Effect of pamidronate and calcium on implant osseointegration in ovariectomized rats*. Journal of Craniomaxillofacial Research 1 (1), 17-20.2014
- 24.B Bohluli**, P Varedi, **M Bayat**, SC Bagheri .*Submental fat transfer: an approach to enhance soft tissue conditions in patients with submental*

*lipomatosis after orthognathic surgery.*American Journal of oral and maxillofacial surgery .Volume 72, Issue 1, Pages 164.e1–164.e7, January 2014

**25.S Fayazi, M Bayat, S Bayat-Movahed, P Sadr-Eshkevari, A Rashad .Long-Term Outcome Assessment of Closed Treatment of Mandibular Fractures.**Journal of Craniofacial Surgery. 24 (3), 735-739. 2013

**26.M Bayat, SMK Nikoo, FA Hezarkhani .Prevalence of systemic diseases in patients with dental infections..**Journal of Dental Medicine 25 (4) 2013

**27.B Bohluli, N Moharamnejad, M Bayat .Dorsal hump surgery and lateral osteotomy..**Oral and maxillofacial surgery clinics of North America 24 (1), 75-86.2012

**28.MR Jalili, M Esmaeelinejad, M Bayat, MM Aghdasi .Appearance of anatomical structures of mandible on panoramic radiographs in Iranian population.**Acta Odontologica Scandinavica 70 (5), 384-389.2012

**29.B Bohluli, MHK Motamedi, SC Bagheri, M Bayat, E Lassemi, F Navi .Use of botulinum toxin A for drug-refractory trigeminal neuralgia: preliminary report. Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2011 Jan;111(1):47-50.**

**30.A Karimi, I Shirinbak, M Beshkar, AJ Abbasi, AD Nazhvani, M Bayat, Ewing Sarcoma of the Jaws.**Journal of Craniofacial Surgery 22 (5), 1657-1660,2011.

**31. IR Kashani, Z Golipoor, M Akbari, R Mahmoudi, S Azari, R Shirazi , Bayat M, Ghasemi S. Schwann-like cell differentiation from rat bone marrow stem cells.**Arch Med Sci 7 (1), 45-52. 2011

**32. M Bayat, MM Khobyari, M Dalband, F Momen-Heravi.Full mouth implant rehabilitation of a patient with ectodermal dysplasia after orthognathic surgery, sinus and ridge augmentation: a clinical report. journal of advanced prosthodontics 3 (2), 96-100.2011**

- 33. M Bayat**, F Momen-Heravi, O Khalilzadeh, Z Mirhosseni, A Sadeghi-Tari. *Comparison of conchal cartilage graft with nasal septal cartilage graft for reconstruction of orbital floor blowout fractures*. British Journal of Oral and Maxillofacial Surgery 48 (8), 617-620.2010
- 34. M Bayat**, A Garajei, K Ghorbani, MHK Motamedi. *Treatment of mandibular angle fractures using a single bioresorbable miniplate*. Journal of Oral and Maxillofacial Surgery 68 (7), 1573-1577.2010
- 35. B Bohluli, M Bayat**, F Sarkarat, B Moradi, MHS Tabrizi, P Sadr-Eshkevari. *Trigemino-cardiac reflex during Le Fort I osteotomy: a case-crossover study*. Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2010 Aug;110(2):178-81
- 36. M Bayat**, F Momen-Heravi, M Marjani, P Motahhary. *A comparison of bone reconstruction following application of bone matrix gelatin and autogenous bone grafts to alveolar defects: An animal study*. Journal of Cranio-Maxillofacial Surgery 38 (4), 288-292.2010
- 37. N Moharamnejad, M Bayat**, B Bohluli. *Ridge augmentation with the coronoid-temporalis muscle pedicled flap*. British Journal of Oral and Maxillofacial Surgery 48 (8), 656-657.2010
- 38. M Bayat**, A Badri, N Moharamnejad. *Treatment of temporomandibular joint ankylosis: gap and interpositional arthroplasty with temporalis muscle flap*. Oral and maxillofacial surgery 13 (4), 207-212. 2009
- 39. M Bayat**, M Dalband. *Soft tissue changes in patients undergoing orthognathic surgery*. journal of Dental School 24 (1).2008
- 40. M Bayat**, L Melkomian, R Ebrahimi. *Effect of preoperatively administered IV Dexamethazon in reduction of swelling and trismus caused by surgical removal of lower third molar*. Journal of Dental School 24 (3).2008



- 41.M Bayat, L Melkomian.***Evaluation of administration of Chlorhexidine rinse and antibiotic in decrease of mandibular third molar post extraction complications.*Journal of dental school24 (1) . 2008
- 42.M Bayat, M Jafarian, OG Habashi.***Correlation between gonial angle and different variables after bilateral sagittal split ramus osteotomy.*Journal of Dentistry of Tehran University of Medical Sciences 3 (1). 2006
- 43.M Bayat, L Malkamian, F Baheri.** *Evaluation of emergency equipment and drugs in Karaj urban dental clinics and the ability of dentists to use them.*Journal of Islamic Dental Association of Iran 17 (2), 105-110. 2005
- 44.M Bayat, F Zaeri, F Sadatnia.***Comparison of O2 saturation, heart and respiratory rate following injection of vasoconstrictor containing anesthetic (lidocaine 2%) and without vasoconstrictor anesthetic (Mepivacaine).*Journal of Dental Medicine 18 (3). 2005
- 45.B Eslami, M Moshref, F Majidfar, K OloomiI, MA Tavakoli, M bayat .** *Evaluation of telomere length in oral squamous cell carcinoma (OSCC).* Journal of dental school.2003
- 46. M Bayat, H Heidarzadeh.***Assessment of the attitudes of patients of patients referring to shahidbeheshti dental school to the quality of received services (15-31STkhordad 1378).*Journal of dental school.21(4),2003
- 47.M Bayat, A Rafiei.** Knowledge, Attitude and practice of dentists in relation to odontogenic to infection in Tehran -1999NOWLEDGE, Journal of dental school.20(2) 2002
- 48.Naraghi M, Bayat M, Yahyavi Sh, Kashfi A, Karimi Yazdi AR, Khorsandi MT.** *Le fort I osteotomy approach for advanced nasopharyngeal angiofibroma with intracranial extension: Report of a case.*Acta Medica Iranica 40 (4)

**49.**M Abbasi, **M Bayat**, M Beshkar, F Momen-Heravi. *Ultrasound-Guided Simultaneous Irrigation and Drainage of Facial Abscess.* Journal of Craniofacial Surgery 23 (2), 558-559

**50.**Bayat M, Badri A, Momen-Heravi F, Garajei A, Asgarian A. *Transverse Displacement and Angulation of the Proximal Segment After Mandibular Setback by Means of Bilateral Intraoral Vertico-Sagittal Ramus osteotomy.* J Oral Maxillofac Surg. Dec 24.

**\*Presentations:**

**1. CPR Work Shop.** 6th congress of Iranian of pediatric dentistry .Jul.2006. Tehran, Iran.

**2. Application of Autogenously bone graft for preparation of implant bed.** 50th INT congress of Iranian dental association. 2009. Tehran, Iran.

**3. Complications and failures.** 5th congress of Iranian general dentists association. 2011. Tehran, Iran.

**4. Sinus floor elevation.** 51th congress of Iranian dental association 10May2010. Tehran, Iran.

**5. Open sinus lifting.** 1th Persian gulf Int congress of Implant .Nov.2009. Kish Island. Iran

**6. Post maxillary single Implant.** Dental implant in post maxilla 17.May-2006

**7. National congress on Application Of Biomaterials 5-7 Feb 2014 Tehran**

**8. Endoscopic management of condylor fractures .** 12th international congress of Iranian society of oral and maxillofacial surgery. Feb.2014. Tehran, Iran.

**9. Implant considerations in anterior part of maxilla.** 13th International congress of Iranian Association of Prosthodontists . nov.2013. Tehran, Iran.

**10.Application of Sterolitography models for Neuonstruction of facial traumatic Patrents.**AO seminar. 2012. Mashhad .Iran .

**11.Management of gummy smile.**Regional AOCMF principles course with an advanced, work shop. Orthogatic surgery . Oct.2012 .Dubai , UAE.

**12.Endoscopic assisted Mandibular fracture treatment.** 7th international congress of ACBID. 2013 .Antalya. Turkey

**13.Every things that dentists must be know about implant.**6th Int congress of Iranian association of Prosthodontists . Feb 2005 . Tehran, Iran.

**14.Challenges in art maxilla implantation.**53th Int congress of Iranian dental association. May 2013. Tehran, Iran.

**15.Odontagenic infection and Antibiotictherapy.**Continauced education by program by Iranian society of oral and maxillofacial surgeons.Nov.2009. Tehran, Iran.

**16.Soft tissue changes of nose after orthogantic surgery.**Rhroplasty and ancillary surgery Iran University of medical sciences.Feb 2000. Tehran, Iran.

**17.Computer aided surgery for orbited reconstruction.**AOCMF symposium-advanced in orbital trauma and reconstruction. June 2014. Tehran, Iran.

**18.Bone grafts.** 4th congress of Iranian dentists (medical council).Nov.2011. Tehran, Iran.

**19.Management of gummy smile.** 8th Int congress of ACBID. Antalya. Turkey

**20.Management of gummy smile .computer aided orthogantic surgery.12th congress of Iranian association of orthodontists.Oct.2014. Tehran, Iran.**

**21.Ankylosis and trauma with anatomical specimens.AOCMF Regional course-principles in TMJ surgery .October 2014 . Dubai,UAE**

**Patents:**

1. The production process of bone gelatin without antigen.
2. PLA Scaffold that release Epidermal grows factor8.(in process of us patent, since Jun2014)
3. Endoscopying Robot

**Book:**

Septorhinoplasty Rhinoplasmy (Razmpa and motiee) 2008 ISBN 978-600-5648-07-2,Genioplasty chapter has wrote by **M Bayat**

**Interesting fields:**

- Oral and Maxillofacial Surgery
- Facial esthetic surgery
- Orthogenetic surgery
- Trauma
- Tissue engineering and Cell therapy

