

CURRICULUM VITAE

Name: Maryam Kouhsoltani
Position: Assistant professor in Oral and Maxillofacial Pathology (D.D.S., MSD)
Member of: Department of Oral and Maxillofacial Pathology, Faculty of Dentistry,
Tabriz University of Medical Sciences
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Academic Qualifications

2001-2008: Doctor of Dentistry degree (D.D.S.), School of Dentistry, Tabriz Medical Sciences University, Tabriz-Iran
2017-2022: Master of Medical Education, Tabriz Medical Sciences University, Tabriz-Iran
2009-2012: Master of Dental Sciences (MSD) in Oral and Maxillofacial Pathology, School of Dentistry, Tabriz Medical Sciences University, Tabriz-Iran

Teaching experiences

- Instructing and managing practical Oral and Maxillofacial Pathology including patients' biopsy samples preparation, interpretation and report
- Theoretical Oral and Maxillofacial Pathology
- Theoretical and practical General pathology
- Medical education

Research experiences

- Immunohistochemistry
- Gene silencing
- Drug delivery systems in cancers
- Medical education

Honors

- Selected as the Exceptional Talent in the National Universities entrance exam (2001)
- Selected as the first rank top researcher of the Faculty in 15th Research & Technology festival of Tabriz Medical Science University (2016) .
- Award of the best Educational Development Office of the University (2020).
- Award of the best Educational Development Office of the University (2021).
- Award of the design and evaluation of the best educational process of the University (2021).

Papers indexed in Scopus

- Articles indexed in Scopus with **h-index of 18**. Updated 14 September 2023
<https://www.scopus.com/authid/detail.uri?authorId=48861309600>
- Articles indexed in google scholar with **h-index of 20**. Updated 14 September 2023
<https://scholar.google.com/citations?hl=en&user=hvtlwVAAAAAJ>

Membership and responsibilities

- Member of the national Oral and Maxillofacial Pathology association from 2010
- Dean of Education Development office in Dental Faculty, Tabriz Medical Sciences University from 2019
- Head of the Accreditation Committee of Dental Faculty, Tabriz Medical Sciences University from 2019
- Dean of Department of Oral and Maxillofacial Pathology, Faculty of Dentistry, Tabriz Medical Sciences University from 2021
- Member of the Accreditation committee of the Dental and Specialized Education Council of the ministry of health, Iran from 2022

Publications

1. Saleh Saber F, Abolfazli N, Koushltani M (2010). The effect of disinfection by spray atomization on dimensional accuracy of condensation silicone impressions. J Dent Res Dent Clin Dent Prospect; 4:124-129 (Pubmed Indexed).
2. Aghbali A, Sina M, Vahid Pakdel SM, Emamverdzadeh P, Kouhsoltani M, Mahmoudi SM, Janani M (2013). Giant cell granulomas of the jaws: correlation of the histopathologic features with demographic, gross and radiographic findings. J Dent Res Dent Clin Dent Prospects; 7(4):225-229 (Pubmed Indexed).
3. Hamishehkar H, Emami J, Najafabadi AR, Gilani K, Minaiyan M, Hassanzadeh K, Mahdavi H, Kouhsoltani M, Nokhodchi A (2010). Pharmacokinetics and pharmacodynamics of controlled release insulin loaded PLGA microcapsules using dry powder inhaler in diabetic rats. Biopharm. Drug Dispos; 31(2-3):189–201 (ISI Indexed).
4. Moradzadeh M, Aghbali AA, Halimi M, Mahmoudi SM, Kouhsoltani M (Corresponding author) (1391). Comparison of SRC expression between aggressive and non-aggressive central giant cell granulomas of jaw bone. Tabriz Medical journal; 34(5):60-65 [article in Persian].
5. Moradzadeh Khiavi M, Aghbali A, Halimi M, Kouhsoltani M (Corresponding author), Hamishehkar H (2013). Immunohistochemical expression of Src protein in peripheral and central giant cell granulomas of the jaws. J Oral Maxillofac Pathol; 17(3):358-362 (Pubmed Indexed).
6. Moradzadeh Khiavi M, Taghavi Zenouz A, Mesgarzadeh AH, Sabetmehr O, Mahmoudi SM, Kouhsoltani M (corresponding author) (2014). Schwannoma in the midline of hard palate: a case report and review of literature. J Dent Res Dent Clin Dent Prospects; 8(2):114-117 (Pubmed Indexed).
7. Hamishehkar H, Shokri J, Fallahi S, Jahangiri A, Ghanbarzadeh S, Kouhsoltani M (corresponding author) (2014). Histopathological evaluation of caffeine-loaded solid lipid nanoparticles in efficient treatment of cellulite. Drug Dev Ind Pharm; 41(10): 1640–1646 (ISI Indexed).

8. Zolali E, Hamishehkar H, Maleki-Dizaji N, Majidi Zolbanin N, Ghavimi H, Kouhsoltani M, Asgharian P (2014). Selenium effect on oxidative stress factors in septic rats. *Adv Pharm Bull*; 4(3):289-93 (Pubmed Indexed).
9. Kouhsoltani M, Taghavi Zonooz A (2015). Solitary neurofibroma of the lip: report of a rare case. *J Res Dent Sci*; 11(4): 241-244.
10. Hamishehkar H, Nokhodchi A, Ghanbarzadeh S, Kouhsoltani M (Corresponding author) (2015). Triamcinolone acetonide oromucoadhesive paste for treatment of aphthous stomatitis. *Adv Pharm Bull*; 5(2): 277-282 (Pubmed Indexed).
11. Kouhsoltani M, Halimi M, Dibazar S (2015). A positive correlation between immunohistochemical expressions of CD31 and mast cell tryptase in odontogenic tumors. *Pol J Pathol*; 66(2): 170-175 (ISI Indexed).
12. Kouhsoltani M, Moradzadeh M, Jamali G, Farnia S (2015). Immunohistochemical assessment of mast cells and microvessels in dentigerous cyst, odontogenic keratocyst, and periapical cyst. *Adv Pharm Bull*; 5(supp1): 637-641 (Pubmed Indexed).
13. Hamishehkar H, Ghanbarzadeh S, Sepehran S, Javadzadeh Y, Mardhiah Adib Z, Kouhsoltani M (Corresponding author) (2016). Histological assessment of follicular delivery of flutamide by solid lipid nanoparticles: potential tool for the treatment of androgenic alopecia. *Drug Dev Ind Pharm*; 42(6):846-53 (ISI Indexed).
14. Kouhsoltani M, Moradzadeh M, Tahamtan S (2016). Evaluation of mast cell count and microvessel density in reactive lesions of the oral cavity. in *J Dent Res Dent Clin Dent Prospects*. 10(4):241-246 (Pubmed Indexed).

15. Kouhsoltani M, Halimi M, Jabbari G (2016). Immunohistochemical evaluation of myofibroblast density in odontogenic cysts and tumors. accepted for publication in J Dent Res Dent Clin Dent Prospects. 10(1):37-42 (Pubmed Indexed).
16. Aghbali A, Rafieyan S, Mohamed Khosroshahi L, Baradaran B, Shanebandi D, Kouhsoltani M (Corresponding author) (2017). IL-4 induces the formation of multinucleated giant cells and expression of $\beta 5$ integrin in central giant cell lesion. Med Oral Pathol Oral Cir Bucal. 22(1): e1-6 (ISI Indexed).
17. Hamishehkar H, Same S, Adibkia K, Zarza K, Shokri J, Taghaee M, Kouhsoltani M (Corresponding author) (2015). A comparative histological study on the skin occlusion performance of a cream made of solid lipid nanoparticles and Vaseline. Research in Pharmaceutical Sciences; 10(5):378-387 (Pubmed Indexed).
18. Kouhsoltani M, Mesgarzadeh A, Moradzadeh M (2015). Mandibular fracture associated with a dentigerous cyst: report of a case and literature. J Dent Res Dent Clin Dent Prospects; 9(3):193-198 (Pubmed Indexed).
19. Kouhsoltani M, Aghbali A, Shokoohi B, Ahmadzadeh R (2015). Molecular targeting of Her-2/neu protein is not recommended as an adjuvant therapy in oral squamous cell carcinoma and oral lichen planus. Adv Pharm Bull; 5(supp1): 649-652 (Pubmed Indexed).
20. Fathi N, Ahmadian E, Shahi S, Roshangar L, Khan H, Kouhsoltani M, Maleki Dizaj S, Sharifi S (2019). Role of vitamin D and vitamin D receptor (VDR) in oral cancer. Biomedicine and Pharmacotherapy; 109:391-401 (ISI Indexed).
21. Aghbali A, Akbarzadeh A, Kouhsoltani M (Corresponding author) (2018). The role of macrophages and eosinophils in reactive lesions of the oral cavity. Journal of Oral and Maxillofacial Pathology; 22 (1) (Pubmed Indexed).

22. Kouhsoltani M, Abdolhosseinzadeh M, Bahramian A, Vakili Saatloo M, Dabbaghi Tabriz F, Poursak T (2018). A Comparative Study of Macrophage Density in Odontogenic Cysts and Tumors with Diverse Clinical Behavior. *Journal of Dentistry (Shiraz University of Medical Sciences)*; 19 (2):150-154 (PubMed Indexed).
23. Vakili Saatloo M, Aghbali AA, Kouhsoltani M, Yari Khosroushahi A (2019). Akt1 and Jak1 siRNA based silencing effects on the proliferation and apoptosis in head and neck squamous cell carcinoma; 714:143997 (ISI Indexed).
24. Bahramian A, Falsafi P, Abbasi T, Ghanizadeh M, Abedini M, Kavosi F, Kouhsoltani M, Noorbakhsh F, Dabbaghi Tabriz F, Rajaei S, Rezaei F (2018). Comparing Serum and Salivary Levels of Vitamin D in Patients with Recurrent Aphthous Stomatitis and Healthy Individuals. *Journal of Dentistry (Shiraz University of Medical Sciences)*; 19(4):295-300 (PubMed Indexed).
25. Imani A, Maleki N, Bohlouli S, Kouhsoltani M Sharifi S, Maleki Dizaj S (2021). Molecular mechanisms of anticancer effect of rutin. Online ahead of print. PMID: 33295678 (ISI Indexed).
26. Jabbarzadeh M, Hamblin MR, Pournaghi-Azar F, Vakili Saatloo M, Kouhsoltani M (Corresponding author), Vahed N (2021). Ki-67 expression as a diagnostic biomarker in odontogenic cysts and tumors: A systematic review and meta-analysis. *J Dent Res Dent Clin Dent Prospects*; 15(1): 66-75 (PubMed Indexed).
27. Bohlouli, S., Jafarmadar Gharehbagh, F., Dalir Abdolahinia, E., Kouhsoltani, M., Ebrahimi, G., Roshangar, L., Imani, A., Sharifi, S., Maleki Dizaj, S (2021). Preparation, Characterization, and Evaluation of Rutin Nanocrystals as an Anticancer Agent against Head and Neck Squamous Cell Carcinoma Cell Line, *Journal of Nanomaterials*, 9980451 (ISI Indexed).

28. Jalali, P., Gholizadeh, Z., Soltani, M.K., Kouhsoltani, M (2021). Design and evaluation of dental mobile software for dental education. *Journal of Advances in Medical Education and Professionalism*, 9(4): 222–230 (Pubmed Indexed).

29. Amjadi, S., Shahnaz, F., Shokouhi, B., Azarmi, Y., Siahi-Shadbad, M., Ghanbarzadeh, S., Kouhsoltani, M., Ebrahimi, A., Hamishehkar, H (2021). Nanophytosomes for enhancement of rutin efficacy in oral administration for diabetes treatment in streptozotocin-induced diabetic rats, *International Journal of Pharmaceutics*, 610, 121208 (ISI Indexed).

30. Javaheripour, A., Saatloo, M.V., Vahed, N., Gavgani, L.F., Kouhsoltani, M (2022). Evaluation of HER2/neu expression in different types of salivary gland tumors: a systematic review and meta-analysis. *Journal of Medicine and Life*, 2022(5), 595–600 (Pubmed Indexed).

31. Sharifi S, Dalir Abdolahinia E, Maleki Dizaj S, Nejatian T, Seydi Z, Kouhsoltani M, Rezaei Y, Mokhtarpou M (2022). Preparation, the physicochemical assessment, and the cytotoxicity of Cisplatin-loaded mesoporous Silica nanoparticles against head and neck squamous cell carcinoma cell line, *Int. J. Nano Dimens.*, 13 (3), 320-328 (ISI Indexed).

32. Babaie S, Charkhpour M, Kouhsoltani , Hamishehkar H, Paiva-Santos AC (2023). Nano-invasomes for simultaneous topical delivery of buprenorphine and bupivacaine for dermal analgesia. *Experimental Dermatology*, 32(8) (ISI Indexed).

33. Memar, M.Y., Dalir Abdolahinia, E., Yekani, M., Sharifi, S., Kouhsoltani, M., Maleki Dizaj, S (2023). Preparation of rutin-loaded mesoporous silica nanoparticles and evaluation of its physicochemical, anticancer, and antibacterial properties. *Molecular Biology Reports*, 50(1), 203–213 (ISI Indexed).

34. Maleki Dizaj S, Kouhsoltani M, Pourreza K, Sharifi S, Dalir Abdolahinia E (2023). Preparation, Characterization, and Evaluation of the Anticancer Effect of Mesoporous Silica Nanoparticles Containing Rutin and Curcumin. Pharm Nanotechnol, PMID: 37594097 (ISI Indexed).