



دانشگاه علوم پزشکی و خدمات بهداشتی درمانی استان همدان
دانشکده دندانپزشکی



نام و نام خانوادگی: سوسن ایرانی

مدرک تحصیلی: **PhD** از دانشگاه گریفیت استرالیا در رشته پزشکی مولکولی و

دکترای تخصصی در رشته پاتولوژی دهان و فک و صورت از دانشگاه علوم پزشکی شهید بهشتی

تاریخ تولد: ۱۳۳۸ رتبه علمی: دانشیار

گروه آموزشی: آسیب‌شناسی دهان و فک و صورت

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آدرس محل کار: همدان، خیابان شهید فهمیده، روبروی پارک مردم، دانشکده دندانپزشکی

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سوابق تحصیلات دانشگاهی:

۱- اخذ مدرک دکترای دندانپزشکی از دانشگاه فردوسی مشهد در سال ۱۳۶۴

عنوان پایان نامه: بررسی نمای رادیوگرافی ۱۰۰ مورد ژانت سل گرانولوما

۲- اخذ مدرک دکترای تخصصی در رشته پاتولوژی دهان و فک و صورت از دانشگاه شهید بهشتی در سال ۱۳۸۱

عنوان پایان نامه: بررسی قدرت تشخیصی رنگ آمیزی H&E در تشخیص سارکومهای اندیفرانسیه ناحیه سر و گردن

۳- اخذ دیپلم در رشته Tropical Medicine & Public Health از دانشگاه هامبولت آلمان در سال ۲۰۰۱

۴- اخذ مدرک PhD از دانشگاه گریفیت استرالیا در سال ۲۰۱۴

عنوان پایان نامه :

The Endothelin Axis and Angiogenesis in Papillary Thyroid Carcinoma

سوابق آموزشی:

۱. تدریس دروس بافت شناسی و جنین شناسی دهان و فک و صورت ، پاتولوژی دهان و فک و صورت نظری و عملی، بیولوژی دهان به دانشجویان از سال ۱۳۸۱ تا ۱۴۰۲ (که در دانشگاه همدان مشغول بکار بودم)
۲. تدریس بافت شناسی و جنین شناسی دهان و فک و صورت ، پاتولوژی دهان و فک و صورت نظری و عملی به رزیدنتهای گروههای مختلف و رزیدنت پاتولوژی دهان و فک و صورت
۳. تدریس پاتولوژی دهان و فک و صورت نظری و عملی به دانشجویان دندانپزشکی در دانشگاه گریفیت استرالیا
۴. تدریس پاتولوژی عمومی نظری و عملی از سال ۱۳۹۳ تا ۱۴۰۵
۵. تدریس پاتولوژی عمومی نظری و عملی به دانشجویان خارجی
۶. تدریس واحدها به دانشجویان خارجی بر اساس کوریکولوم
۷. تدریس کلیه دروس بر اساس کوریکولوم
۸. تدریس واحدهای زبان تخصصی ۴-۱ به دانشجویان دندانپزشکی
۹. تدریس واحدهای درسی علوم وابسته به رزیدنتهای گروههای مختلف
۱۰. تدریس واحدها به رزیدنتهای گروه پاتولوژی دهان و فک و صورت بر اساس کوریکولوم
۱۱. تدریس واحد زبان تخصصی به رزیدنتهای رشته پرودونتولوژی
۱۲. تدریس واحد روش تحقیق به رزیدنتهای گروههای مختلف
۱۳. تدریس واحد کنترل عفونت به رزیدنتهای گروههای مختلف و دانشجویان دندانپزشکی
۱۴. تدریس واحد آموزش در پزشکی به رزیدنتهای گروههای مختلف

سوابق اجرایی:

- (۱) نماینده دانشکده در جلسات شورای تحصیلات تکمیلی ۱۳۸۳-۱۳۸۲
- (۲) مسئول سمینارهای علمی داخل دانشکده ۱۳۸۶- ۱۳۸۲
- (۳) راه اندازی بخش و آزمایشگاه پاتولوژی دهان و فک و صورت ۱۳۸۱
- (۴) مدیر گروه بخش پاتولوژی دهان و فک و صورت ۱۳۸۸- ۱۳۸۶
- (۵) مسئول کمیته ارزیابی آزمونهای دانشکده ۱۳۸۹- ۱۳۸۶
- (۶) همکاری جهت اخذ موافقت راه اندازی دوره آموزش رزیدنت پاتولوژی دهان و فک و صورت ۱۳۸۸-۱۳۸۶
- (۷) راه اندازی وب سایت انگلیسی ۱۳۸۷-۱۳۸۶
- (۸) همکاری جهت راه اندازی مجله انگلیسی زبان دانشکده دندانپزشکی ۱۳۸۸ تا کنون

(۹) عضو هیئت تحریریه مجله و associate editor دانشکده دندانپزشکی Avicenna Journal of Dental Research

از سال ۱۳۸۸ تاکنون

- (۱۰) عضو شورای پژوهشی و پایان نامه ۱۳۸۸-۱۳۸۹
- (۱۱) سرپرست تخصصی و معاون گروه پاتولوژی دهان و فک و صورت از سال ۱۳۹۴ تا ۱۴۰۳
- (۱۲) عضو مرکز تحقیقات دانشکده دندانپزشکی از سال ۱۳۹۴ تا ۱۴۰۴
- (۱۳) نماینده گروه پاتولوژی دهان و فک و صورت در کوریکولوم آموزشی در سال ۹۵-۹۴
- (۱۴) عضو کمیته ارزیابی درونی ۱۳۹۶
- (۱۵) عضو کمیته آموزش مجازی از ۱۳۹۹
- (۱۶) نماینده بخش پاتولوژی دهان و فک و صورت در پرونده الکترونیک از سال ۱۳۹۸
- (۱۷) استاد مشاور انجمن علمی دانشجویی سلولهای بنیادی و پزشکی بازساختی
- (۱۸) عضو کمیته آموزش بالینی از ۱۳۹۹
- (۱۹) نماینده دانشکده در مرکز تحقیقات دانشجویی
- (۲۰) نماینده گروه در شورای پژوهشی از سال ۱۴۰۱
- (۲۱) عضو هیئت علمی نیمه وقت مرکز تحقیقات نانوفناوری دارویی دانشگاه علوم پزشکی زنجان به مدت یک سال از ۱۴۰۳
- (۲۲) مدیر گروه پاتولوژی دهان و فک و صورت از اسفند ماه ۱۴۰۳
- (۲۳) عضو مؤسس مرکز تحقیقات ایمپلنتهای دندان
- (۲۴) نماینده گروه در شورای پژوهشی از سال ۱۴۰۴

جوایز و تقدیر نامه ها

- (۱) جز دانشمندان ۲ در صد برتر دنیا طی سالهای ۲۰۲۵-۲۰۲۱
- (۲) انتخاب به عنوان پژوهشگر برتر در سال ۱۳۸۴
- (۳) اخذ عنوان Senior Lecturer از دانشگاه گریفیت استرالیا از سال ۲۰۱۴ تا ۲۰۲۴
- (۴) انتخاب به عنوان پژوهشگر برتر در سال ۱۳۹۵
- (۵) انتخاب به عنوان استاد نمونه در سال ۱۴۰۰
- (۶) انتخاب به عنوان پژوهشگر برتر در سال ۱۴۰۰
- (۷) تجلیل از طرف ریاست و معاونت تخصصی دانشکده جهت تعلیم رزیدنت و اخذ رتبه دوم کشوری توسط رزیدنت در سال ۱۴۰۱
- (۸) انتخاب به عنوان استاد برتر در سال ۱۴۰۱
- (۹) اخذ عنوان Adjunct Senior Lecturer از دانشگاه گریفیت استرالیا از سال ۲۰۲۴
- (۱۰) |پژوهشگر برتر بالینی در سال ۱۴۰۴
- (۱۱) انتخاب به عنوان پزشک نمونه در سال ۱۴۰۵

- 1) **Irani S**, Lam AK. Critical insights into metastatic patterns of odontogenic tumors, clinical characteristics, diagnosis, prognosis, and treatment outcomes: a scoping review of case reports. BMC Oral Health.2026.
- 2) Dehghan A, Monsef Esfahani A, **Irani S**, Jamalpour MR, Sahami A. Clinical and histopathological characteristics of basal cellcarcinoma in the head and neck region: a retrospectiveanalysis of 560 cases. Iranian Journal of Dermatology.2026: 29 (2), 168-174.
- 3) Amini E, **Irani S**, Dehghan A. Immunohistochemical Analysis of Endocan Expression in Salivary Pleomorphic Adenoma. Avicenna Journal of Dental Research.2025; 17 (4), 198-204
- 4) **Irani S**. A comprehensive Review of 148 Cases of Major Salivary Gland Tumours: Critical Insights into Metastatic Patterns, Prognostic Factors, and Treatment Outcomes. Oral Surgery.2025;18 (4), 558-571.
- 5) **Irani S**, Taherkhani A, Najafi A, Baboli D Molecular architecture of human tooth development: A network-based analysis of gene expression.2025; 44, 201398.
- 6) **Irani S**, Ghasemi Basir H,Habibi I .Dysplastic change rate in cases of Actinic Cheilitis: A retrospective study of 33 cases. Avicenna J Dent Res. 2025;17 (1), 21-26
- 7) **Irani S**, S Alimohammadi, F Ataei.Dentin Sialophosphoprotein Expression Profile in Developing Human Primary Teeth: An Experimental Study. Journal of Dentistry.2025: 26 (1), 55
- 8) **Irani S**, Rafizadeh M. BRCA1/2 Immunohistochemical Analysis in Unicystic Ameloblastoma, Multicystic Ameloblastoma, and Ameloblastic Carcinoma. Avicenna J Dent Res. 2024;16(3): 140-145.
- 9) **Irani S**, Lam A.K. Collision Lesions in Head and Neck Area: A Retrospective Study of 97 Reported Cases. Avicenna J Dent Res. 2024;16(2): 108-116.
- 10) Yousefiasl S, Sharifi E, Salahinejad E, Makvandi P, **Irani S**. Bioactive 3D-printed chitosan-based scaffolds for personalized craniofacial bone tissue engineering. Engineered Regeneration. 2023; 4 (1): 1-11
- 11) **Irani S**, Dehghan A, Kalvandi Z. Correlation of Demographic and Clinicopathological Features of Salivary Pleomorphic Adenoma. J Dent Shiraz Univ Med Sci. December 2023; 24(4): 404-409.

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- 16) **Irani S**, Khamverdi Z, Soltanian A, Bagheri O. Academic Dishonesty in the Dental Faculty: Relations Among Students' Behavior, Attitudes, and Interpretation. *Avicenna J Dent Res.*, 2023; 15(2):x-x. doi:10.34172/ajdr.2023.1643.
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- 20) **Irani S**. Immune responses in SARS-CoV-2, SARS-CoV and MERS-CoV infections: A Comparative Review. *International Journal of Preventive Medicine*. 2022 Mar 12; 13:45.
- 21) **Irani S**, Alimohammadi S, Najafian T. Evaluation of the Expression Levels of Endothelin-1 and its Receptor (ETAR) in Dental Lamina during Different Stages of Development of Human Fetal Teeth. *Avicenna Journal of Clinical Medicine*. 2021;28(2):79-86.
- 22) Mollabashi V, **Irani S**, Kazemisaleh A, Gharagozlou S, Seyedtabib M. Comparison of Casein Phosphopeptide Amorphous Calcium Phosphate Fluoride and Fluoride Varnish on Remineralization of Early Caries Lesions Around Orthodontic Brackets. *Indian Journal of Forensic Medicine & Toxicology*. 2021;15 (2): 3732-3738.

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۱. شرکت در کنفرانسهای مختلف و ارائه پوستر

1. Oral presentation of: A Case report of Metastatic Gastric Adenocarcinoma of the Mandible in Shiraz, Iran in Sep. 2004.
2. Oral Presentation of Oral complications of anti- neoplastic therapy (chemotherapy, radiotherapy and dental treatment protocol in these cases in the Faculty of Dentistry, Hamadan.Oct.2005
3. Poster presentation in 13th congress on Oral Pathology and Medicine was held in Australia (Brisbane) for presenting of two posters.
A) Comparison of diagnostic power of H&E staining method in undifferentiated soft tissue sarcomas in head & neck region.
B) Is Oral Lichen Planus a pre-malignant lesion? Evidence from a case report.
4. Poster presentation in 7th conference on head and neck cancer: Neck masses: A retrospective estudy of 952 cases. In San Fransisco, USA, 2008.
5. Poster presentation in Dental Students Congress holding in Shiraz, Iran in Sep 2006 titled" Common Misdiagnoses in Maxillary Anterior Periapical Lesions. A case report of Nasolabial Cyst.
6. Oral Presentation in 2nd Pathology Congress in Tehran, Iran in Nov 2006
A) Frequency of Dysplastic Changes in Oral Lichen Planus in teaching hospitals of Hamadan City during 10 years (1996-2006).
B) Accuracy of Clinical and Histopathological Diagnosis of Oral & Maxillofacial Lesions in Faculty of Dentistry Hamadan University.
7. Poster presentation in 2011 Gold Coast Health and Medical Research Conference: Neck masses: A retrospective study of 1208 cases.
8. Poster presentation in 2012 Gold Coast Health and Medical Research Conference: The correlation

between ET axis, miRNA-195 expression levels in Papillary Thyroid Cancer

9. Poster presentation at 6th Australian health and Medical Conference 25-28 November 2012. Ali Salajegheh, Sahar Pakneshan, Elliot Dolan-Evans, Bruce Homan, **Soussan Irani**, Md. Atiqur Rahman, Nicole Langsford, Esther LS Kwong, Sheldon Zhang, Kais Y Kasim, Tran Lee, Tommy C Lam, Robert A Smith, Alfred KY Lam. Potential co-regulatory role of VEGF-A and VEGF-C in angiogenic event in thyroid cancer.

10. Poster presentation at 3rd Euro Congress and Expo on Dental & Oral Health, 2015: **Soussan Irani**, Alireza Monsef Esfahani, Farahnaz Bidari Zerehpoush. Detection of Helicobacter pylori in Oral Lesions.

11. Poster presentation at 3rd Euro Congress and Expo on Dental & Oral Health, 2015: **Soussan Irani**, Alireza Monsef Esfahani, Shahram Sabeti, Farahnaz Bidari Zerehpoush. Detection of Helicobacter pylori in Oral Lichen Planus and Oral Lichenoid Reaction.

12. Choosing the best scaffold for dental stem cell culture. 3rd symposium for dental stem cells and dental tissue reengineering. June 2019, Hamadan, Iran.

13. Poster presentation at Iranian Congress of Oral and Maxillofacial Pathologists, 2022. Prevalence and Characteristic of tongue lesions in the Oral and Maxillofacial Pathology department of Dental Faculty of Hamadan University of Medical Sciences from 2004-2022. Anita Lahooti, **Soussan Irani**

استاد راهنمای پایان نامه

- 1) Assessment of water contamination in Dental Units in Dental Private Clinics in Hamadan City, Iran in 2004.
- 2) 2.The frequency of Squamous Cell Carcinoma in Head & Neck Area in teaching hospitals of Hamedan, IRAN during 6 years.
- 3) The prevalence of Actinic Cheilitis in teaching hospitals of Hamadan, Iran during 2 years (2003-2004).
- 4) Frequency of Dysplastic Changes in Oral Lichen Planus in educational hospitals of Hamadan City from 1996 to 2006.

- 5) Accuracy of Clinical and Histopathological Diagnosis of Oral & Maxillofacial Lesions in Faculty of Dentistry Hamadan University.
- 6) Awareness and Attitudes of Dental students toward Hepatitis during 2001-2005.
- 7) Evaluation of the level of the influence of oro-dental hygiene education on increasing the awareness of school hygiene instructors.
- 8) Comparative evaluation of morphologic and cytomorphometric of oral mucosa in Diabetic patients by exfoliative cytology.
- 9) A review study on the role of Cytokines in pathogenesis of periodontal diseases.
- 10) 10. Achievement of Educational Objectives in Oral Pathology Department of Dental Faculty, the University of Hamadan of Medical Sciences, Hamadan, Iran.
- 11) Behavior, interpretation and attitude towards cheating Hamadan dental school students in the academic 2015-2016
- 12) Evaluation of quantitative and qualitative exfoliative cytology of buccal mucosal in smokers in comparison to non-smokers
- 13) Web based software design and registration of infants with cleft palate /cleft lip since the first semester 1395-1396 until October 1397
- 14) Effect of mixture of aminoacids, nanosilver and adcortyl on oral wound healing in rats: a randomized experimental study
- 15) Relationship between histopathologic and radiographic features of bone after diode low level laser therapy in osteoporotic rats
- 16) Assesment of histological variants of pleomorphic adenoma in Besat hospital from 1385 to 1396

- 17)** Evaluation of expression levels of AMELX during different stages of development of teeth by using Immunohistochemistry
- 18)** Evaluation of expression levels of DSPP during different stages of development of embryonic teeth by using Immunohistochemistry
- 19)** Evaluation of expression levels of Endothelin-1 and its receptor (ETAR) during different stages of development of embryonic teeth by using Immunohistochemistry
- 20)** Comparative Evaluation of Fluoride Varnish & Casein Phosphopeptide Amorphous Calcium Phosphate Fluoride in Remineralization of White Spot Lesion Around Orthodontic Brackets
- 21)** Evaluation of the Prophylactic Effect of topical (slow-release) and systemic Curcumin Anti-Oxidant in Induced Oral Cancer in Rat.
- 22)** Evaluation of Endocan proteoglycan staining levels in pleomorphic adenoma and its correlation with clinical features using immunohistochemistry technique.
- 23)** Assessment of dysplastic changes rate in actinic cheilitis samples available in the archive of the Pathology Department of Sina Hospital in Hamadan from 2009 to 2019.
- 24)** Assessment of dysplastic changes rate in oral lichen planus samples available in the archive of the Pathology Department of Sina Hospital in Hamadan from 2009 to 2019
- 25)** Preparation and characterization of chitosan/alginate/hydroxyapatite composite scaffold for bone tissue engineering.
- 26)** Evaluation of the effectiveness of liquorice paste on oral ulcers healing in rat: an animal study
- 27)** Evaluation of the correlation of radiographic evidence with clinical and histological observations in the presence of retromolar canal
- 28)** Clinical and pathological assessment of basal cell carcinoma (BCC) in head and neck area in the Pathology Department of Be'sat Hospital in Hamadan from 2011 to 2021

- 29) Evaluation of the effectiveness of amplified honey and adhesive mucous gel containing licorice extract on the healing of oral ulcers in rats: An animal study
- 30) Investigating the effectiveness of fortified honey and adhesive mucus gel containing licorice extract on the healing of oral ulcers in rats: an animal study.
- 31) Investigating the key genes, upstream regulators, and signaling pathways involved in the process of development of human teeth at the 11th week of gestation: A bioinformatic study.

کتاب چاپ شده

Bone Pathology in Oral and Maxillofacial region in Farsi.

پروژه‌های خاتمه یافته

- 1) Evaluation of AgNOR staining in Salivary Gland Tumors
- 2) Detection of H.Pylori in some Oral Lesions
- 3) Evaluation of expression level of HER2/neu in Odontogenic cysts
- 4) Evaluation of expression levels of CD44, Vimentin and VE-Cadherin in different grades of Oral Squamous Cell Carcinoma
- 5) Evaluation of expression levels of CD44, Vimentin and VE-Cadherin in different grades of Mucoepidermoid Carcinoma
- 6) Attitudes, Tendencies, Behaviours and Perceptions of Hamadan Dental Students towards Cheating in Exams in 2015-2016
- 7) Web based software design and registration of infants with cleft palate /cleft lip
- 8) Assesment of histological variants of pleomorphic adenoma in Besat hospital
- 9) Evaluation of expression levels of Endothelin-1 and its receptor (ETAR) , DSPP, AMELX during different stages of development of teeth by using Immunohistochemistry

- 10) Preparation and characterization of chitosan/alginate/hydroxyapatite and chitosan/alginate/hydroxyapatite-zinc composite scaffold for bone tissue engineering
- 11) Evaluation of expression levels of Endothelin-1, Endothelin A receptor in Oral Squamous Cell Carcinoma, Pleomorphic Adenoma and Carcinoma ex Pleomorphic Adenoma by using Immunohistochemistry
- 12) Evaluation of expression levels of BRCA1 and BRCA2 in Oral Squamous Cell Carcinoma, unicystic ameloblastoma, multicystic ameloblastoma, and ameloblastic carcinoma by using Immunohistochemistry (IHC)
- 13) Evaluation of the role of miR-143, miR-145 and miR-590 in controlling the expression levels of VE-Cadherin and CD44 in Oral Squamous Cell Carcinoma (KB cell line)
- 14) Evaluation of expression levels of Endothelin-1, Endothelin A receptor, and Endocan in unicystic ameloblastoma, multicystic ameloblastoma, and ameloblastic carcinoma by using Immunohistochemistry
- 15) Evaluation of expression levels of BRCA1 and BRCA2 in Pleomorphic Adenoma and Carcinoma ex Pleomorphic Adenoma by using Immunohistochemistry
- 16) Evaluation of the effectiveness of amplified honey and adhesive mucous gel containing licorice extract on the healing of oral ulcers in rats: An animal study
- 17) Preparation and characterization of chitosan/alginate/hydroxyapatite and chitosan/alginate/hydroxyapatite-zinc composite scaffold for bone tissue engineering
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- 20) Clinical and pathological assessment of basal cell carcinoma (BCC) in head and neck area in the Pathology Department of Be'sat Hospital in Hamadan from 2011 to 2021
- 21) Investigating the key genes, upstream regulators, and signaling pathways involved in the process of development of human teeth at the 11th week of gestation: A bioinformatic study

22) Evaluation of the effectiveness of amplified honey and adhesive mucous gel containing licorice extract on the healing of oral ulcers in rats: An animal study

لاین تحقیقاتی

1. Oral cancer
2. Biology of metastasis
3. Angiogenesis and lymph angiogenesis in cancers
4. Cancer microenvironment
5. Stem cells and cancer stem cells
6. Tissue engineering
7. Embryology: Tooth development