



*Shiva Borzouei, MD*

❖ **Personal Background:**

- *Nationality: Iranian*

*Name: Shiva Borzouei*

*Marital Status: Married*

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**"1% and 2% of the world's most cited researchers in 2022 , 2023 and 2024 ,respectively based on the ranking of Stanford University and ranking ISC "**

- ❖ **Current Position:** Associated Professor of Endocrinology, School of Medicine, Hamadan University of Medical Sciences

- ❖ **Education:**Adult endocrine subspecialty, Shahid Beheshti university medical sciences, Iran

❖ **Activity & Teaching:**

▪ **Activity**

- Member of Urology and Nephrology Research Center (2023- until now)
- Secretary of the Scientific Committee of the Olympiad (Clinical Reasoning Area) (2023 -until now)
- Member of the Technical Research Committee and Disease Registration Committee (2023- until now)
- Institutional evaluator and evaluator of medical educational hospitals (2022-until now)
- Member of Promotion Committee of Hamadan University's Medical Sciences (2022- until now)
- Member of Ethics Committee of the University of Medical Sciences (2022-until now)
- Specialized and sub-specialized deputy of medical School, Hamadan university medical of sciences (2020 -2022)
- Member of Mortality Committee of Shahid Beheshti Hospital (2017-2019)
- Member of the Clinical Skills Committee Hamadan university medical until science (2014-2016)
- Member of the research committee of Shahid Beheshti Hospital (2014- now)
- Head of Endocrine Department of Shahid Beheshti Hospital (2010 -until now)

- Member of Research Council of Faculty of Medicine, Hamadan university medical science (2012-2015)
- Member of Responsive Education Committee, Hamadan university medical science (2010-2014)
- On call Endocrinology ward (2009 -until now)
- Member of Iranian obesity society (2008-until now)
- Member of Iranian diabetes society (2008-until now)

▪ ***Teaching***

Medical Students and Assistants:

- Teaching physiopathology in Endocrinology (2009 -until now)
- Clinical rounds of patients with students and Assistants (2009 -until now)
- Attending Morning Report (2009 -until now)
- Presentation of Journal Club (2009 -until now)
- Presentation of Scientific Conference (2009 -until now)
- Presentation of Mortality – morbidity conference (2009 -until now)
- Presentation of Tumor Board (2009 -until now)
- Presentation of CPC (2009 -until now)
- Conducting Scientific workshops (2009 -until now)
- Supervisor and advisor of medical student and resident's final thesis (2009 -until now)
- Preparing lesson plan (2009 -until now)
- Attendance at the educational Endocrinology clinic (2009 -until now)

## ❖ **Publication:**

### ***A. Papers***

- 1- Rajabi Basir Y, Alipour S, Esna-Ashari F, **Borzouei Sh.** The association between health literacy and general health in women with gestational diabetes: a cross-sectional study. *J Res Health Sci.* 2026; 26(1):e00674. doi:10.34172/jrhs.11438.
- 2- Shekari A, Ayubi E, **Borzouei Sh.** The Impact of Emotional Distress on Self-Management Among Patients With Type 2 Diabetes Mellitus in Hamadan City, Iran. 2025. doi:10.34172/jech.3604
- 3- Kashi E, Behzad M, Karimi M, Alipour S, **Borzouei Sh.** Effects of empagliflozin on interleukin-23 secretion from peripheral blood mononuclear cells in patients with type 2 diabetes versus healthy subjects: an in vitro study. *Molecular Biology Reports.* 2025 Dec;52(1):763.
- 4- Zamiri Mofid M, Ayubi E, Tarokhian A, **Borzouei Sh.** Diagnostic Value of Fine Needle Aspiration in Diagnosis of Thyroid Nodules at the Endocrine Clinic of Hamadan City During a 10-Year Period, Iran. *JRHS.* 2025;25(3):e00658
- 5- Alizadehasl A, Mokhayeri M, Sohani Z, Zamanian MY, Shahbazi P, **Borzouei Sh.** A Comprehensive Review of Two-Dimensional Speckle-Tracking Echocardiography in Assessing Right and Left Ventricular Function in Diabetic Patients. *Clinical Cardiology.* 2025 May;48(5):e70153.
- 6- Barfejani AH, Balali MR, Younes N, Kabiri Tameh MT, **Borzouei Sh.**, Roshanaei G, Tarokhian A. Post-operative prognostication of patients diagnosed with Hurthle cell carcinoma: a machine learning approach. *European Archives of Oto-Rhino-Laryngology.* 2025 Mar 14:1-9.
- 7- Shakeri Rad MA, **Borzouei Sh.**, Poorolajal J, Dastan D. Antidiabetic activity and HPLC-PDA profile of herbal formulation in patients with type 2 diabetes: a randomized controlled trial. *Indian Journal of Traditional Knowledge (IJTK).* 2025 Mar 28;24(3):233-41.
- 8- Makarian poor F, Esna-Ashari F, **Borzouei Sh.** The Relationship Between Beliefs Related To Drug Treatment With The Level Of Adherence To Treatment Of Dyslipidemia Patients in Hamedan 2022-2023. *Qom University of Medical Sciences Journal.* 2025 Mar 10;19:0-.

- 9- **Borzouei Sh**, Safdari A, Ayubi E. Development and Validation of a Clinical Risk Model for Predicting Malignancy in Patients with Thyroid Nodules. *Avicenna Journal of Clinical Medicine*. 2025 Mar 15;31(4):219-27.
- 10- Vejdanihemmat V, Azami H, Tapak L, **Borzouei Sh**. Impact of cooling diabetic patients' fingertips compared to vibrating stimulation on pain from the glucometer needle: A cross-over trial study. *Complementary Therapies in Medicine*. 2025 Mar 1;88:103116.
- 11- **Borzouei Sh**, Khazaei S, Sabet MK, Parastesh M, Mafakheri S, Ayubi E. Socioeconomic Inequality in Perceived Need for Mental Healthcare in Patients with Type 2 Diabetes Mellitus in Hamadan, Western Iran. *Epidemiology and Health System Journal*. 2024 Nov 12;11(3):112-20.
- 12- Shahbazi T, Abdollahi Yehane S, **Borzouei Sh**, Arjipour M. Giant prolactinoma with progressive cranial settling and central herniation: a case report. *Journal of Medical Case Reports*. 2024 Dec 22;18(1):604.
- 13- Asadi S, Ahmadpanah M, Soltanian AR, **Borzouei Sh**. Prevalence and Correlates of Sexual Dysfunction in Patients With Type 2 Diabetes at an Endocrine Clinic in Hamadan, Iran. *Epidemiology and Health System Journal*. 2024 Nov 12;11(3):166-8.
- 14- Akbarzadeh AR, Borzouei S, Khazaei S, Jazaeri M. Evaluation of the Relationship Between Salivary Adipokine Levels With Appetite and Anthropometric Indices in Patients With Type 2 Diabetes. *Endocrinology, Diabetes & Metabolism*. 2024 Nov;7(6):e70012.
- 15- Riahi M, Ahmadpanah M, Soltanian AR, **Borzouei Sh**. Frequency of sleep disorders among patients with type 2 diabetes and contributing factors. *International Journal of Africa Nursing Sciences*. 2024 Jan 1;20:100756.
- 16- Barfejani AH, Rahimi M, Safdari H, Gholizadeh S, **Borzouei Sh**, Roshanaei G, Golparian M, Tarokhian A. Thy-DAMP: deep artificial neural network model for prediction of thyroid cancer mortality. *European Archives of Oto-Rhino-Laryngology*. 2024 Aug 22:1-7.
- 17- Mafakheri S, Ayubi E, **Borzouei Sh**, Doroh VR, Khazaei S. Socioeconomic Inequality in Chronic Complications of Type 2 Diabetes Mellitus in Iran: Concentration Index and Decomposition Approach. *Journal of Biostatistics and Epidemiology*. 2024;10(3):374-95.
- 18- Khazaei S ID, Abdollahi Yeganeh S, Salimbahrami SA, **Borzouei Sh**. Evaluation of Risk Factors Associated with Recurrence and Death in Patients with Thyroid Cancer From 2008 to 2023 in the West of Iran. *JRHS*. 2024;24(4):e00.

- 19- **Borzouei Sh**, Ahmadi A, Pirdehghan A. Sleep quality and glycemic control in adults with type 2 diabetes mellitus. *Journal of Family Medicine and Primary Care*. 2024 Aug 1;13(8):3398-402.
- 20- **Borzouei Sh**, Khazaei S, Nouri R, Tahmasebi R, Talebi-Ghane E. Clinical and Laboratory Factors Associated with Mortality in ICU-Hospitalized COVID-19 Patients in a Western Center of Iran. *Coronaviruses*.2024. DOI:10.2174/0126667975323582240911070005.
- 21- Soltaninia MI, Kahramfar Z, Tapak L, **Borzouei Sh**. Investigation of Sleepiness and Obstructive Sleep Apnea in Type 2 Diabetic Patients Based on STOP-BANG Questionnaire and Epworth Sleepiness Scale and its Relationship with Hemoglobin A1c. *Avicenna Journal of Clinical Medicine*. 2024 Jun 15;31(1):47-53.
- 22- Jazaeri M, Abdolsamadi HR, Farmany A, Soltanian AR, **Borzouei Sh**, Samie L, Najari Karimi F. Salivary Lysozyme and Glycosylated Lysozyme levels of type 2 diabetic patients in comparison with healthy individuals. *Iranian Journal of Chemistry and Chemical Engineering (IJCCE)*. 2024;42(10).
- 23- Ghiasian M, Rastgoo Haghi AR, **Borzouei Sh**, Bawand R. Simultaneous onset of Crohn's disease and Psoriasis in a Multiple Sclerosis patient treated with Teriflunomide: A novel case report highlighting potential autoimmune interactions, *Heliyon*, 2024;10(4).
- 24- Piran N, Farhadian M, Soltanian AR, **Borzouei Sh**. Diabetic foot ulcers risk prediction in patients with type 2 diabetes using classifier based on associations rule mining. *Scientific Reports*. 2024 Jan 5;14(1):635.
- 25- Shirizadeh A, **Borzouei Sh**, Razavi Z, Taherkhani A, Faradmal J, Solgi G. Determination of HLA class II risk alleles and prediction of self/non-self-epitopes contributing Hashimoto's thyroiditis in a group of Iranian patients. *Immunogenetics*. 2024 Apr 12:1-3
- 26- Rabiei H, Barati M, Ayubi E, **Borzouei Sh**. Factors associated with the use of e-learning among medical university students: an application of Technology Acceptance Model. *Health Education and Health Promotion*. 2023 Oct 10;11(4):1001-10.
- 27- **Borzouei Sh**, Briganti G, Golparian M, Lechien JR, Tarokhian A. Machine learning for risk stratification of thyroid cancer patients: a 15-year cohort study. *European Archives of Oto-Rhino-Laryngology*. 2023 Oct 30:1-0
- 28- Ayubi E, Khazaei S, **Borzouei Sh**, Soltanian AR, Ghelichkhani S, Karbin F, Yan Y, Song M, Tian C, Zhang W, Sun J. Validity and reliability of the Persian version of the Suboptimal Health Status Questionnaire among university staff in Iran. *Journal of Global Health*. 2023;13

- 29- Hashemi S H, Saki F, **Borzouei Sh**, Bawand R, Soltanian A. Comprehensive comparison of clinicoradiological, laboratory, and prognostic factors of community-acquired pneumonia in diabetic and nondiabetic hospitalized patients. *Turkish Journal of Medical Sciences*. 2023;53(6):1776-85
- 30- **Borzouei Sh**, Amjad Vaziri S, Badiei M, Farmany A, Cheraghi Z. Investigating salivary concentration of calcium ion in hypothyroidism. *Health Science Reports*. 2023 Oct;6(10):e1669
- 31- **Borzouei Sh**, Ayubi E, Bashirian S, Karimi N, Khazaei S. Association Between Treatment Adherence in Patients with Type 2 Diabetes with Their Quality of Life: A Cross-Sectional Study. *Ethiopian Medical Journal*. 2023 Sep 25;61(4).
- 32- Fathi S, **Borzouei Sh**, Abbasi F, Poorolajal J, Ahmadi-Motamayel F. Evaluation of Oral Complications, Oral Health, and Decayed, Missing, and Filled Teeth in Diabetic Patients: A Retrospective Cohort Study. *Avicenna Journal of Dental Research*. 2023 Dec 29;15(4):150-5.
- 33- Yeganeh SA, Dehghan A, Jahanshahi J, Shirouei S, Arjipour M, **Borzouei Sh**. Erdheim-Chester disease; a 31-year-old woman presented with bone pain and ophthalmologic involvement: a case report. *Journal of Parathyroid Disease*. 2023;11:e11209.
- 34- Yaghoubi F, Soltanian AR, **Borzouei Sh**. Investigation of Clinical Features and Surgical Results in Patients with Thyroid Nodules Referred to the Endocrinology Clinic in Hamadan City. *Avicenna Journal of Clinical Medicine*. 2023 Jun 15;30(1):52-8.
- 35- **Borzouei Sh**, Solgi M, Khazaei S. The Impact of COVID-19 Pandemic on the Elderly Type 2 Diabetes Patient Care in the Rural Areas: a Cross-sectional Study in the West of Iran. *SN Comprehensive Clinical Medicine*. 2023 Jun 24;5(1):170.
- 36- **Borzouei Sh**, Gholamian M, Behzad M. Impact of interleukin-32 $\alpha$  on T helper cell-related cytokines, transcription factors, and proliferation in patients with type 2 diabetes mellitus. *Immunopharmacology and Immunotoxicology*. 2023 May 4;45(3):268-76.
- 37- Sedighi, P, Salim Bahrami AR, Dehghan, A, **Borzouei Sh**. Neurofibromatosis Type 1-Associated Multiple Malignant Peripheral Nerve Sheet Tumors: A Case Report and Literature Review . *Iranian Red Crescent Medical Journal*. . (2023). 25(5).
- 38- Farmany A, Jazaeri Jonghani M, Abdolsamadi H, Soltanian A, **Borzouei Sh**, Samie L, Najar Karimi F. Salivary Lysozyme and Glycosylated Lysozyme levels of type 2 diabetic patients in comparison with healthy individuals. *Iranian Journal of Chemistry and Chemical Engineering*. 2023 May 31.doi: 10.30492/IJCCE.2023.562561.5607.

- 39- Karimijavid MR, Pashaki AS, **Borzouei Sh**, Khanlarzadeh E, Gholami MH, Nikzad S. Hypothyroidism evaluation after radiotherapy of breast and supraclavicular in patients with breast cancer. *Advanced Biomedical Research*. 2023;12. doi: 10.4103/abr.abr\_218\_21
- 40- Ayubi E, Torkamanasadi F, **Borzouei Sh**, Alafchi B, Khazaei S, Talebi SS. Effects of Hypertension alone and in Comorbidity with Diabetes on the 30-Day Mortality of Inpatients with COVID-19. *Journal of Research in Health Sciences*. 2023 Jan 14;22(4).
- 41- Aidin Tarokhian, Arash Dehghan, Sohrab Kulivand, **Shiva Borzouei**. Von Hippel-Lindau; A 47-year-old woman with renal cell carcinoma and multi organ involvement. *J Ren Endocrinol*. doi: 10.34172/jre.2022.25065.
- 42- Pirdeghan A, Shafieyan A M, Esna-Ashari F, **Borzouei Sh**. Evaluation Medication-Related Beliefs and Treatment in patients with diabetes Typ2 in Hamadan in 2021. *ijddl 2022*; 22 (5) :312-320
- 43- Khazaei S, Nowruzi shadmani R, Talebi S S, **Borzouei Sh**. The relationship between satisfaction with treatment services and the quality of life in type II diabetic patients in Hamadan, Iran, 2021. *J Diabetes Nurs 2022*; 10 (4) :1965-1975.
- 44- Bawand R, **Borzouei Sh**, Salimbahrami SA, Sheikh V. Comparison of clinical efficacy of antithyroid drugs, radioactive iodine, and thyroidectomy for treatment of patients with graves' disease, toxic thyroid adenoma, and toxic multinodular goiter. *Biomedical and Biotechnology Research Journal (BBRJ)*. 2022 Oct 1;6(4): 569-575.
- 45- Sadri M, Barati M, **Borzouei Sh**, Bashirian S, Jenabi E, Zareian S. COVID-19 Preventive Behaviors and the Related Beliefs among Diabetics: The Use of Protection Motivation Theory. *Journal of Education and Community Health*. 2022; 9 (4) :235-240.
- 46- Amri A, Soltanian AR, **Borzouei Sh**. Survival rates and prognostic factors of thyroid cancer: A retrospective cohort study. *Journal of Parathyroid Disease*. 2022;10:e11162.
- 47- Gholami H, Kheiripour N, Bahmani M, Ranjbar A, Khodamoradi Z, **Borzouei Sh**. Effect of nanocurcumin on serum levels of betatrophin and irisin in patients with metabolic syndrome; a clinical trial. *J Ren Endocrinol*. 2022;8:e19064. doi: 10.34172/jre.2022.19064.
- 48- Karimi N, Bashirian S, Esmaeelzadeh M, **Borzouei Sh**. Evaluation of Thyroid Function in Patients with Type II Diabetes during 2019-2021. *J Diabetes Nurs 2022*; 10 (3) :1910-1923.

- 49- Farzadfar F, Naghavi M, Sepanlou SG, Moghaddam SS, Dangel WJ, Weaver ND, Aminorroaya A, Azadnajafabad S,... **Borzouei Sh**,... Koolaji S, Mohammadi E, Rezaei N. Health system performance in Iran: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet*. 2022 Apr 23;399(10335):1625-45.
- 50- Karimi K, Nikzad M, Kulivand S, **Borzouei Sh**. Adrenal Mass in a 70-Year-Old Woman. *Case Reports in Endocrinology*. 2022 Jul 12;2022.
- 51- **Borzouei Sh**, Azizi Jalilian F, Mehri F, Bashirian S, Torkaman Asadi F, Khazaei S. assessment of vitamin D, vitamin B12 retinol binding protein zinc selenium copper and management in Iranian COVID-19 patients and their Relationships with the Disease Linked Death. *Nutrition and Food Sciences Research*. 2022; 9(2):23-29.
- 52- Kinyoki D, Osgood-Zimmerman AE, Bhattacharjee NV, Kassebaum NJ, Hay SI,..... **Borzouei Sh** . Anemia prevalence in women of reproductive age in low-and middle-income countries between 2000 and 2018. *Nature medicine*. 2021 Oct;27(10):1761-82.
- 53- Movaghar Khanjani S, Khazaei S, **Borzouei Sh**, Evaluation of Medication Adherence and its Related Factors among Type 2 Diabetic Patients. *Clin Med*. 2021;28(3):158-65.
- 54- Alyssa N. Sbarra, Sam Rolfe , Jason Q. Nguyen , Lucas Earl ... , **Borzouei Sh**, Mapping routine measles vaccination in low- and middle-income countries
- 55- **Borzouei Sh**, Eslahchi M, Esna-Ashari F, Pirdehghan A. Adherence and Related Factors in Pregnant Women With Gestational Diabetes. *Acta Medica Iranica*. 2021 Sep 1;59(9). 550-554.
- 56- Mahdavi M, Parsaeian M, **Borzouei Sh**, Majdzadeh R. Identifying Associations Between Health Services Operational Factors and Health Experience for Patients With Type 2 Diabetes in Iran. 2021; ٢١.
- 57- **Borzouei Sh**, Mohamadtaheri M, Zamani A, Behzad M. Reduced frequency and functional potency of CD49d<sup>+</sup> T regulatory cells in patients with newly diagnosed type 2 diabetes mellitus. *Immunobiology*. 2021 Jul 1;226(4):152113.
- 58- **Borzouei Sh**, Mohammadian-khoshnood M, Omid T, Bashirian S, Bahreini F, Heidari Moghadam R, Khazaei S. Predictors of COVID-19 related death in diabetes patients: A case-control study in Iran. *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*. 2021 May 21;١٠(٤).
- 59- **Borzouei Sh**, Moghimi H, Zamani A, Behzad M. Changes in T helper cell-related factors in patients with type 2 diabetes mellitus after empagliflozin therapy. *Human Immunology*. 2021 Jun 1;82(6):422-8.

- 60- Moghimi H, **Borzouei Sh**, Zamani A, Behzad M. Evaluation of the Effect of Empagliflozin Therapy on T Helper 22 Cell-Related Factors in Patients with Type 2 Diabetes Mellitus. *Avicenna J Clin Med*. 2021; 27 (4) :193-200
- 61- Kheiripour N, Khodamoradi Z, Ranjbar A, **Borzouei Sh**. The positive effect of short-term nano-curcumin therapy on insulin resistance and serum levels of afamin in patients with metabolic syndrome. *Avicenna Journal of Phytomedicine*. 2021 Feb 1; 11(2):146-53.
- 62- Ahmadi-Motamayel F, Fathi S, Goodarzi MT, **Borzouei Sh**, Poorolajal J, Barakian Y. Comparison of Salivary Antioxidants and Oxidative Stress Status in Gestational Diabetes Mellitus and Healthy Pregnant Women. *Endocrine, Metabolic & Immune Disorders Drug Targets*. 2021;21(8):1485-1490.
- 63- **Borzouei Sh**, Mahjub H, Sajadi NA, Farhadian M. Diagnosing thyroid disorders: Comparison of logistic regression and neural network models. *Journal of Family Medicine and Primary Care*. 2020 Mar;9(3): 1470–1476.
- 64- Zamani A, Rafiee M, Alikhani MY, Mohagheghi S, Pakrad B, **Borzouei Sh**. Serum Interleukin-17, Carcinoembryonic Antigen, and Prostate-Specific Antigen in High Lipid Profile Individuals. *Journal of Interferon & Cytokine Research*. 2020 Apr 1;40(4):218-24.
- 65- Pirdehghan A, Eslahchi M, Esna-Ashari F, **Borzouei Sh**. Health literacy and diabetes control in pregnant women. *Journal of Family Medicine and Primary Care*. 2020 Feb;9(2): 1048-1052.
- 66- Asaad Sajadi N, Mahjub H, **Borzouei Sh**, Farhadian M. Thyroid disorder diagnosis based on Mamdani fuzzy inference system classifier. *Koomesh*. 2020 Jan 10;22(1):107-13.
- 67- Telikani Z, Sheikh V, **Borzouei Sh**, Salehi I, Amirzargar MA, Alahgholi-Hajibehzad M. Effect of sitagliptin on serum levels of TNF- $\alpha$ , IL-1 $\beta$  and IL-10 in patients with type 2 diabetes mellitus. *Koomesh*. 2020 Jan 10;22(1):71-7.
- 68- Fathi S, **Borzouei Sh**, Goodarzi MT, Poorolajal J, Ahmadi-Motamayel F. Evaluation of salivary antioxidants and oxidative stress markers in type 2 diabetes mellitus: a retrospective cohort study. *Endocrine, Metabolic & Immune Disorders-Drug Targets (Formerly Current Drug Targets-Immune, Endocrine & Metabolic Disorders)*. 2020 May 1;20(4):584-90.
- 69- Damaris K Kinyoki, Jennifer M. Ross, Alice Lazzar-Atwood , Sandra B. Munro , **Borzouei Sh**. Mapping local patterns of childhood overweight and wasting in low-and middle-income countries between 2000 and 2017. *Nature medicine* 26, no. 5 (2020): 750-759

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- 71- Murray CJ, Abbafati C, Abbas KM, Abbasi M, Abbasi-Kangevari M, Abd-Allah F, Abdollahi M, Abedi P, Abedi A, Abolhassani H, Aboyans V,.....**Borzouei Sh**. Five insights from the global burden of disease study 2019. *The Lancet*. 2020 Oct 17;396(10258):1135-59.
- 72- Murray CJ, Aravkin AY, Zheng P, Abbafati C, Abbas KM, Abbasi-Kangevari M, Abd-Allah F, Abdelalim A, Abdollahi M, Abdollahpour I, Abegaz KH,.....**Borzouei Sh**. Global burden of 87 risk factors in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet*. 2020 Oct 17;396(10258):1223-49.
- 73- Vos T, Lim SS, Abbafati C, Abbas KM, Abbasi M, Abbasifard M, Abbasi-Kangevari M, Abbastabar H, Abd-Allah F, Abdelalim A, Abdollahi M,.....**Borzouei Sh**. Global burden of 369 diseases and injuries in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet*. 2020 Oct 17;396(10258):1204-22.
- 74- Safian S, Esna-Ashari F, **Borzouei Sh**. Thyroid dysfunction in pregnant women with gestational diabetes mellitus. *Current diabetes reviews*. 2020 Nov 1;16(8):895-9.
- 75- **Borzouei Sh**, Mousavi-bahar SH, Salimbahrami SA, Masihi MS. Malignant pheochromocytoma with negative biochemical markers: Is it time to reclassify pheochromocytomas? *Urology case reports*. 2019 Mar 5:100858.
- 76- Eslami F, **Borzouei Sh**, Khanlarzadeh E, Seif S. Prevalence of increased intraocular pressure in patients with Graves' ophthalmopathy and association with ophthalmic signs and symptoms in the north-west of Iran. *Clinical Ophthalmology (Auckland, NZ)*. 2019;13: 1353-1359.
- 77- Mahabadi-Ashtiyani E, Sheikh V, **Borzouei Sh**, Salehi I, Alahgholi-Hajibehzad M. The increased T helper cells proliferation and inflammatory responses in patients with type 2 diabetes mellitus is suppressed by sitagliptin and vitamin D3 in vitro. *Inflammation Research*. 2019:1-0.
- 78- Sadeghabadi ZA, Ziamajidi N, Abbasalipourkabir R, Mohseni R, **Borzouei Sh**. Palmitate-induced IL6 expression ameliorated by chicoric acid through AMPK and SIRT1-mediated pathway in the PBMCs of newly diagnosed type 2 diabetes patients and healthy subjects. *Cytokine*. 2019 Apr 1; 116:106-14.

- 79- Telikani Z, Sheikh V, Zamani A, **Borzouei Sh**, Salehi I, Amirzargar MA, Alahgholi-Hajibehzad M. Effects of sitagliptin and vitamin D3 on T helper cell transcription factors and cytokine production in clinical subgroups of type 2 diabetes mellitus: highlights upregulation of FOXP3 and IL-37. *Immunopharmacology and immunotoxicology*. 2019 Mar 4; 41(2):299-311.
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- 81- **Borzouei Sh**, Goodarzi MT, Biglari M, Nazari F, Shivapour Z. The Prevalence of Thyroid Disorders in Pregnant Women of Hamadan. *Avicenna Journal of Nursing and Midwifery Care*. 2019 Mar 10; 27(1):11-7.
- 82- Jafari A, Dehghan A, Esna-Ashari F, **Borzouei Sh**. Comparison of Cytologic Reports of Fine-Needle Aspiration of Thyroid Nodules with Pathologic Results of Thyroid Surgery. *Clin Med*. 2019 Jan 1; 26(1):20-5.
- 83- Asaad Sajadi N, **Borzouei Sh**, Mahjub H, Farhadian M. Diagnosis of hypothyroidism using a fuzzy rule-based expert system. *Clinical Epidemiology and Global Health*. 2019 Dec 1;7(4):519-24.
- 84- **Borzouei Sh**, Rabiei S, EsnaAshari F, Zareeighane Z, Biglari M. The Relationship between Gestational Diabetes and Risk Factors in Pregnant Women in Hamadan. *Psj*. 2018; 17 (1) :30-36.
- 85- Mahabadi-Ashtiyani E, Sheikh V, **Borzouei Sh**, Salehi I, Alahgholi-Hajibehzad M. Effect of Sitagliptin and Vitamin D3 on Secretion of IL-6 and TNF- $\alpha$  Inflammatory Factors in Patients with Type 2 Diabetes. *Avicenna Journal of Clinical Medicine*. 2018 Dec 15; 25(3):134-41.
- 86- Shirmohammadi N, Soltanian AR, **Borzouei Sh**. Public awareness of early and late complications of type 2 diabetes-Application of latent profile analysis in determining questionnaire cut-off points. *Osong public health and research perspectives*. 2018 Oct; 9(5):261.
- 87- Sheikh V, Zamani A, Mahabadi-Ashtiyani E, Tarokhian H, **Borzouei Sh**, Alahgholi-Hajibehzad M. Decreased regulatory function of CD4+ CD25+ CD45RA+ T cells and impaired IL-2 signalling pathway in patients with type 2 diabetes mellitus. *Scandinavian journal of immunology*. 2018 Oct; 88(4):e12711.

- 88- Abdolsamadi H, Vahedi M, **Borzouei Sh**, Soltanian A, Hosseini A, Avval MZ. Evaluation the Relationship between Serum and Salivary Levels of 25 (OH) Vit. D with Type II Diabetes in Newly Diagnosed Diabetics. JOURNAL OF MOLECULAR BIOLOGY RESEARCH. 2018 Jan 1; 8(1):108-13.
- 89- Azizi E, **Borzouei Sh**, Soltanian AR. A Nonparametric Bootstrap Confidence Interval for the Prevalence of Undiagnosed Type 2 Diabetes Mellitus in Hamadan, West of Iran. Journal of research in health sciences. 2018 Nov 8; 18(3).
- 90- Naghshtabrizi B, **Borzouei Sh**, Rezaei MJ, Esna-Ashari F. Assessment of the relationship between the HbA1c level and atherosclerosis burden in patients undergoing coronary angiography in farshchian heart center, Hamadan, Iran. Iranian Heart Journal. 2018;19(3):46-50.
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### **B. Book**

- ۱- شیوا برزویی، امین کاویانی فرد. تغذیه و دیابت. انتشارات تدین. سال ۱۳۹۹
- ۲- شیوا برزویی، امین کاویانی فرد. آنچه از دیابت باید بدانید. انتشارات تدین. سال ۱۳۹۹
- ۳- فرید عزیزی جلیلیان، شیوا برزویی، راضیه عزتی، راضیه امینی، نرگس مالمیر. نقش ویروس ها در پاتوژنز دیابت و درمان پای دیابتی با فاژ. دانشگاه علوم پزشکی همدان. ۱۳۹۹

## ❖ **Presentation:**

### ***A. Oral***

- 1- **Borzouei Sh.** Endocrine and metabolic diseases. The 14TH International Congress of Endocrine Disorders Tehran.(2023)
- 2- **Borzouei Sh.** Endocrine and metabolic diseases. The 14TH International Congress of Endocrine Disorders Tehran.(2023)
- 3- **Borzouei Sh.** Assessment of FNA results in thyroid nodules in the shahidbeheshti hospital of hamedan in 2010-2013. The 7th Iranian Congress of Pediatrics Endocrinology and Metabolism.Hamadan, Iran. (2014).
- 4- **Borzouei Sh.**, Salimbahrami SA, Vasheghani M. Correlation between Vitamin D Serum Levels and Ischemic Heart Disease (IHD); A Case Control study.10th International Congress of Endocrine Disorders. Tehran, Iran.(2014).
- 5- **Borzouei Sh.** The relationship between serum 25-hydroxyvitamin D levels and metabolic syndrome.2nd International and 4th Iranian Congress of Endocrine & Metabolism Updates. Isfahan, Iran.(2012).
- 6- **Borzouei Sh.**, Hossein panah F, Kashi Z. Agreement Level of Definitions of the metabolic syndrome by modified ATP III and IDF with insulin resistance in the lipid and glucose study (TLGS). 8th Iranian Congress of Endocrine disorders. Tehran. (2009)

### ***B. Posters***

- 1- **Borzouei Sh.**, Farhadian M. Diagnosing Thyroid Disorders: Clinical Symptoms vs. Laboratory Tests. 5th International and 7th Iranian Congress of Endocrinology & Metabolism Updates. Isfahan, Iran .(2019).
- 2- **Borzouei Sh.**, Pirdehghan A. Adherence and related factors in pregnant women with gestational diabetes. 5th International and 7th Iranian Congress of Endocrinology & Metabolism Updates. Isfahan, Iran.(2019).
- 3- **Borzouei Sh.** Frequency and functional evaluation of Treg cells in patients with type 2 diabetes mellitus. 14th International Congress of Immunology and Allergy. Tehran, Iran.(2018).
- 4- **Borzouei Sh.** The effect of vitamin D3 on proliferation of CD4+ T lymphocytes in patients with type 2 diabetes mellitus. 14th International Congress of Immunology and Allergy. Tehran, Iran. (2018).

- 5- **Borzouei Sh.** Evaluation of the T-bet, ROR $\gamma$ t and Foxp3 gene expression in patients with type 2 diabetes mellitus. 14th International Congress of Immunology and Allergy. Tehran, Iran.(2018).
- 6- **Borzouei Sh.**, Hamzehei R. Prevalence and risk factors of gestational diabetes among pregnant women in Hamadan. 1<sup>st</sup> congress of Metabolic Syndrome & Thyroid Disease.Mashhad, Iran. (2018).
- 7- **Borzouei Sh.**, Salimbahrami SA. Comparison of histological FNA report of two separate pathologists in thyroid nodules with surgical results. 4th International and 6th national Congress of Endocrine and Metabolism updates. Isfahan, Iran. (2017).
- 8- **Borzouei Sh.** Evaluation of thyroid disorders in pregnant women in Hamadan. The 11th International Congress of Endocrine Disorders. Tehran, Iran.(2016).
- 9- **Borzouei Sh.** Comparative study of thyroid Dysfunction in pregnant women with Gestational Diabetes and without Gestational Diabetes in Hamadan in 2013-2014. The 11th International Congress of Endocrine Disorders. Tehran, Iran.(2016).
- 10- **Borzouei Sh.**, Salimbahrami SA. Prevalence of thyroid disease in pregnant women in health centers of Hamadan. 3rd International and 4th national Congress of Endocrine and Metabolism updates. Isfahan, Iran. (2015).
- 11- Mohammadian M, Goodarzi MT, **Borzouei Sh.**, Hassanzadeh T, Rashidi S, Sharafbayani MR. relationships between plasma Cholesteryl ester transfer protein activity and lipid profiles in metabolic syndrome in an Iranian population. 6th International Iranian Congress Laboratory & Clinic. Tehran, Iran. (2014).
- 12- **Borzouei Sh.** Study of Plasma Omentin & Visfatin and Their Correlation with IGF-I in women with Metabolic Syndrome. 13th Iranian Congress Of Biochemistry and 5th International Congress Of Biochemistry and Molecular Biology. Yazd. Iran(2013).
- 13- **Borzouei Sh.** Diagnostic value of fasting plasma glucose (FPG) in screening of gestational diabetes mellitus. 13th Congress of the Endocrine of Asia and Oceania, Tehran. Iran. (2006).

### ❖ *Awards and Honors:*

- ❖ Top clinical researcher, Hamadan university of medical sciences, (2024).
- ❖ The selected researcher of the research festival of Hamadan province, (2024).
- ❖ The selected researcher of the research festival of Hamadan province, (2023).
- ❖ The selected researcher of the research festival of Hamadan province, (2022).
- ❖ Top clinical researcher, Hamadan university of medical sciences, (2022).
- ❖ The selected researcher of the research festival of Hamadan province, (2020).
- ❖ Top clinical researcher, Hamadan university of medical sciences, (2020).
- ❖ Top teacher of the faculty of medicine, Hamadan university of medical sciences, (2019).
- ❖ Top teacher of the faculty of medicine, Hamadan university of medical sciences, (2015).