



TABRIZ UNIVERSITY OF MEDICAL SCIENCES

## CURICULLUM VITAE

### Fatemeh Sadeghi-Ghyassi, PhD

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#### EDUCATION:

*PhD in Health Information Management. Tabriz University of Medical Science, Iran*

October 2016- February 2023

#### RESEARCH INTERESTS:

Systematic searching  
systematic reviews  
Evidence synthesis  
Clinical decision support systems  
Ontologies  
Evidence-Based Practice

## AWARDS AND HONORS:

- Award for the best poster titled "An Ontology-Based Decision Support System for Urinary Incontinence" in 2023 in the JBI European Symposium
- Award for the best process of the project titled "Using Evidence Based Practice for the residents' education of Faculty of Medicine" in 2009 in Motahhari Festival
- Award for the best process of the project titled "Designing and implementation of reflection journals for formative evaluation of Evidence Based Medicine summer school" in 2014 in Motahhari Festival
- The Joanna Briggs Institute (JBI) CS RTP trainer
- Member of Committee of Iranian Medical Library & Information Science Association

## SELECTED PAPERS:

- 1- Hajebrahimi S, Darvishi A, HajEbrahimi R, Asadi N, Jafari Shendi Z, Asiaban N, Naseri A, Sadeghi-Ghyassi F, Mostafaei H, Salehi-Pourmehr H. Efficacy, and safety of desmopressin in nocturia and nocturnal polyuria control of neurological patients: A systematic review and meta-analysis. *Neurourology and Urodynamics*. 2023 Sep 25.
- 2- Sadeghi-Ghyassi F, Damanabi S, Kalankesh L, Van de Velde S, Feizi-Derakhshi MR, Hajebrahimi S. A Guideline-Oriented Ontological Decision Support System for Diagnosis and Treatment of Urinary Incontinence (UrInO-DSS): A System Framework. *J Urol Surg* 2023; 10(2): 152-159.
- 3- Mostafaei A, Sadeghi-Ghyassi F, Kabiri N, Hajebrahimi S. Experiences of patients and providers while using telemedicine in cancer care during COVID-19 pandemic: a systematic review and meta-synthesis of qualitative literature. *Supportive Care in Cancer* 2022; 30 (12), 10483-10494.
- 4- Sadeghi-Ghyassi F, Damanabi S, Kalankesh L, Van de Velde S, Feizi-Derakhshi MR, Hajebrahimi S. How are ontologies implemented to represent clinical practice guidelines in clinical decision support systems: protocol for a systematic review. *Systematic Reviews* 2022; 11(1), 183.
- 5- Sadeghi-Ghyassi F, Zarea Gavgani V, Fathifar Z, Makani N, Vaez R, Montazeri M. Quality of reporting of literature search strategies in systematic reviews published on the role of telehealth during COVID-19. *Journal of Information Science* 2023; 0(0). <https://doi.org/10.1177/01655515221087649>.
- 6- Shamsavarinia K, Faridaalae G, Soleimanpour H, Sadeghi-Ghyassi F, Atashgahi S, Milanchian N, et al . Cerebral Venous Thrombosis (CVT) Following COVID-19 Vaccination: an Umbrella Review of Systematic Reviews. *Iran J Med Microbiol* 2023; 17 (1) : 7-21.
- 7- Shamsavarinia K, Mahmoodpoor A, Sadeghi-Ghyassi F, Nedayi A, Razzaghi A, Zehi Saadat M, Salehi-Pourmehr H. Bell's Palsy and COVID-19 Vaccination: A Systematic Review. *Med J Islam Repub Iran* 2022 Jul 30; 36: 85.
- 8- Zarea Gavgani V, Ghojazadeh M, Sadeghi-Ghyassi F, Khodapanah T. Effects of listening to Quran recitation on anxiety reduction in elective surgeries: A systematic review and meta-analysis. *Archive for the Psychology of Religion* 2022; 44(2): 111–126.
- 9- Mahboub-Ahari A, Sadeghi-Ghyassi F, Heidari F. Effectiveness of endovascular versus open surgical repair for thoracic aortic aneurysm: a systematic review and meta-analysis. *The Journal of cardiovascular surgery* 2022; 63(1), 25–36.
- 10- Arabi Bashari F, Janati A, Pezeshki MZ, Khodayari-Zarnaq R, Sadeghi-Ghyassi F, Gholizadeh M. Country-level interventions for the prevention and management of hypertension through the modification of social determinants of health: a systematic review protocol. *Systematic Reviews* 2020; 9, 152.

- 11- Ghahestani SM, Mahmoudi J, Hajebrahimi S, Sioofy-Khojine AB, Salehi-Pourmehr H, Sadeghi-Ghyassi F, Mostafaei H. Bradykinin as a Probable Aspect in SARS-Cov-2 Scenarios: Is Bradykinin Sneaking out of Our Sight?. *Iran J Allergy Asthma Immunol* 2020; 19(S1): 13-17.
- 12- Mostafaei A, Hajebrahimi S, Sadeghi-ghyassi F, Mostafaei H, Abolhasanpour N, Nasser A, Sheikhalipour Z, Salehi-Pourmehr H. Can Wearing a Face Mask Protect from COVID-19? A Systematic Review. *Iran J Med Microbiol* 2020; 14 (2) :101-107.
- 13- Moosavi SY, Samad-Soltani T, Hajebrahimi S, Sadeghi-Ghyassi F, Pashazadeh F, Abolhasanpour N. Determining the risk factors and characteristics of de novo stress urinary incontinence in women undergoing pelvic organ prolapse surgery: A systematic review. *Turk J Urol* 2020 Nov; 46(6): 427-435.
- 14- Bastani P, Hajebrahimi S, Mallah F, Chaichi P, Sadeghi-Ghyassi F. Long-term Outcome of Synthetic Mesh Use in Iranian Women with Genital Prolapse. *Urology journal* 2020; 17(1), 73–77.
- 15- Gholami M, Damanabi S, Hachesu PR, Ghyassi FS. Evaluation of Nursing Information Systems Using the HIS-Monitor Instrument: Nurses Perspectives. *Iranian Journal of Medical Informatics*. 2019 Apr 22;8(1):9.
- 16- Moradi S, Janbabai G, Parkoohi PI, Sadeghi-Ghyassi F, Yaaghoobian B. Value-based Oncology in Iran: A Scoping review. *Journal of Health Economics and Development*. 2019 Apr 1;1(1):12-20.
- 17- Mahboub-Ahari A, Heidari F, Sadeghi-Ghyassi F, Asadi M. A systematic review of effectiveness and economic evaluation of Cardiohelp and portable devices for extracorporeal membrane oxygenation (ECMO). *Journal of Artificial Organs*. 2019 Mar 15;22(1):6-13.
- 18- Moshki M, Khajavi A, Sadeghi-Ghyassi F, Sadeghi-Bazargani H, Pour-Doulati S. Measurement properties of self-report pedestrians' road crossing behavior questionnaires constructed based on the theory of planned behavior: protocol for a systematic review. *Systematic Reviews*. 2019 Dec;8(1):1-7.
- 19- Bastani P, Hajebrahimi S, Mallah F, Chaichi P, Sadeghi-Ghyassi F. Long-term outcome of synthetic mesh use in Iranian women with genital prolapse. *Urology journal*. 2019 Jun 20.
- 20- Ansari F, Sadeghi-Ghyassi F, Yaaghoobian B. The clinical effectiveness and cost-effectiveness of fractional CO2 laser in acne scars and skin rejuvenation: A meta-analysis and economic evaluation. *Journal of Cosmetic and Laser Therapy*. Volume 20, 2018 - Issue 4.
- 21- Sadeghi-Ghyassi F, Mostafaie A, Hajebrahimi S, Ghojazadeh M, Mostafaie H. Ophthalmologist knowledge of evidence-based medicine and clinical practice guidelines recommendations. *Evidence Based Medicine (BMJ)*, 2016; 21(2): 49-54.
- 22- Khayyati F, Hajebrahimi S, Sadeghi-Ghyassi F. An evidence-based guideline for school-based interventions to prevent smoking. *Journal of Kurdistan University of Medical Sciences*, 2016;21:117-129.
- 23- Mahboub-Ahari A, Hajebrahimi S, Sadeghi-Ghyassi F, Yousefi M, Ghasham M. The Use of Holmium YAG Laser Assisted Technologies in Benign Prostatic Hyperplasia Surgery: A Health Technology Assessment Study. *Hakim Seyed Esmail Jorjani Journal*, 2016;4(1).
- 24- Safari S, Tabrizi JS, Jafari Rouhi J, Sadeghi-Ghyassi F, Ghojazadeh M, Jafari Rouhi AH, Nejabatian A, Soleimanpour M, Soleimanpour H. Family Members' Attitudes Regarding Family Presence During Resuscitation of Adults: A Systematic Review and Meta-Analysis. *Annals of Anesthesiology and Critical Care*. 2016; 1(1):e10204.
- 25- Hajebrahimi S, Taleschian Tabrizi N, Sadeghi-Bazargani H, Farhadi F, Sadeghi Ghyassi F. Non-drug treatment for lower urinary tract symptoms in women with voiding dysfunction [Protocol]. *Cochrane Database of Systematic Review*, 2015.
- 26- Sadeghi-Ghyassi F, Nosraty L, Ghojazadeh M, Mostafaie A. Evidence databases application: Comparison of University faculty versus clinical residents in a developing country. *Journal of Evaluation in Clinical Practice*. 2013; 19(2): 292-297.

- 27- Hajebrahimi S, Sadeghi-Ghyassi F, Olfati N, Dastgiri S, Maghbouli L. Evidence Based Practice: Perspectives of Iranian Urologists. *Urology Journal*, 2013; 10(4): 1099-1105.
- 28- Ghaffarifar S, Ghojazadeh M, Alizadeh M, Ghaffari MR, Sadeghi-Ghyassi, F. An academic medical center: a customized strategy to overcome the shortcomings of Interns' ambulatory education. *Shiraz E Medical Journal*. 2012; 13(3): 113-121.
- 29- Ghaffarifar S, Amini A, Mortazavi F, Tavafian SS, Sadeghi-Ghyassi, F. How masters of medical education program could be evaluated in their working setting. *Basic Research Journal of Social and Political Sciences*. 2012; 1(3): 65-70.
- 30- Mostafaie A, Mahboub Ahari A, Sadeghi Ghyassi F, Hajebrahimi S, Yousefi M. Femtosecond Laser Versus Mechanical Microkeratome in Thin-Flap Laser in Situ Keratomileusis (Lasik) for Correction of Refractive Errors: an Evidence-Based Effectiveness and Cost Analysis. *Journal of Lasers in Medical Sciences*, 2011;2(1):6-11.
- 31- Hajebrahimi S, Mahboub Ahari A, Sadeghi Ghyassi F, Mostafaie A, Yousefi M. Holmium Laser Prostate Enucleation (HOLEP) Versus Trans-Urethral Resection of Prostate (TURP) in Treatment of Symptomatic Prostatic Enlargement; A Health Technology Assessment. *Journal of Lasers in Medical Sciences*, 2011;2(1):36-42.
- 32- Mahboub Ahari A, Sadeghi Ghyassi F, Yousefi M, Amjadi M, Mostafaie A. Green Light Photo Selective Vaporization of the Prostate vs. Transurethral Resection of Prostate for Benign Prostatic Hyperplasia. *Journal of Lasers in Medical Sciences*, 2011;2(4):152-158.
- 33- Sadeghi Ghyassi F. Usage of pharmaceutical information resources by hospital physicians in Tabriz University of Medical Science. *National Studies on Librarianship and Information Organization*, 2009;72:157-174 [In Persian].

#### BOOK CHAPTER:

1. Sadeghi-Ghyassi F. Searching for best evidence: a guide for retrieving evidence (clinical effectiveness). In: Hajebrahimi S, Sadeghi-Bazarghani H, Sadeghi-Ghyassi F, Mahboub Ahari A. *Clinical Effectiveness*. Tabriz: Tabriz University of Medical Sciences, 2012 [In Persian].
2. Sadeghi-Ghyassi F. Acquire (Find the best available evidence). In: Hajebrahimi S, Ansari F, Yaaghoobian B, Sadeghi-Ghyassi F, Soleimanzadeh F. *Handbook of Evidence Based Medicine: How to learn and teach*. Tabriz: Tabriz University of Medical Sciences, 2021 [In Persian].

#### HTAS AND GUIDELINES:

1. "Sinusitis Guideline [adults]" (Clinical Guideline). EBM Center, Tabriz University of Medical Sciences, 2009.
2. "Evaluation of laser-Excimer laser technology" (HTA project). HTA office, Ministry of Health; EBM Center, Tabriz University of Medical Sciences, 2009.
3. "Evaluation of Femtosecond Laser technology" (HTA project). HTA office, Ministry of Health; EBM Center, Tabriz University of Medical Sciences, 2010.
4. "Evaluation of OCT- Femtosecond Laser technology" (HTA project). HTA office, Ministry of Health; EBM Center, Tabriz University of Medical Sciences, 2012.
5. "Seasonal Influenza Guideline" (Clinical Guideline). EBM Center, Tabriz University of Medical Sciences, 2010.

6. "Female Urinary Incontinence Guideline" (Clinical Guideline). EBM Center, Tabriz University of Medical Sciences, 2013.
7. "School-based prevention of smoking Guideline" (Clinical Guideline). EBM Center, Tabriz University of Medical Sciences, 2013.
8. "Evaluation of Intravascular Ultrasonography (IVUS) technology versus angiography alone in coronary artery stenting" (HTA project). HTA office, Ministry of Health; EBM Center, Tabriz University of Medical Sciences, 2014.
9. "Evaluation of Lipokit technology" (HTA project). HTA office, Ministry of Health; EBM Center, Tabriz University of Medical Sciences, 2014.
10. "Evaluation of Extracorporeal Shock wave Lithotripsy (ESWL) technology" (HTA project). HTA office, Ministry of Health; EBM Center, Tabriz University of Medical Sciences, 2015.
11. "Evaluation of Fractional CO2 laser technology" (HTA project). HTA office, Ministry of Health; EBM Center, Tabriz University of Medical Sciences, 2015.
12. "Evaluation of Cardiohelp technology" (HTA project). HTA office, Ministry of Health; EBM Center, Tabriz University of Medical Sciences, 2015.
13. "Evaluation of efficacy and cost-effectiveness of Emicizumab for the treatment of patients with hemophilia A" (HTA project). HTA office, Ministry of Health; EBM Center, Tabriz University of Medical Sciences, 2019.
14. "Cost-effectiveness of CO2 gas technology compared to room air or water in gastrointestinal endoscopies: an Umbrella review" (HTA project). HTA office, Ministry of Health; EBM Center, Tabriz University of Medical Sciences, 2020.
15. "Evaluation of efficacy and cost-effectiveness of Intravascular Ultrasonography (IVUS) technology versus angiography in patients with coronary intervention" (HTA project). HTA office, Ministry of Health; EBM Center, Tabriz University of Medical Sciences, 2020.
16. "Female Urinary Incontinence Guideline" (Updated Clinical Guideline), EBM Center, Tabriz University of Medical Sciences, 2020.
17. "Evaluation of efficacy and cost-effectiveness of TEVAR technology compared to open surgery in patients with thoracic aortic aneurysm" (HTA project). HTA office, Ministry of Health; EBM Center, Tabriz University of Medical Sciences, 2020.

## TRAININGS, QUALIFICATIONS, AND CERTIFICATES:

- "Train The Trainer: CSRTP", **The Joanna Briggs Institute**
- "Explore Statistics With R" A 4-Weeks Online Course, **Karolinska Institutet**
- "Automation Tools to Improve the Speed of Systematic Reviews" A 4-Weeks Online Course, **Bond University**
- "Health Technology Assessment" A 5-Weeks Online Course, **The University of Sheffield**
- "Epidemiology: The Basic Science of Public Health" A 6-Weeks Online Course, **The University of North Carolina**
- "Introduction To Databases" (Database Programming) A 10-Weeks Online Course, **Stanford University**

- "Introduction To Systematic Review and Meta-Analysis" A 6-Weeks Online Course, **John Hopkins University**
- "Statistics For Health Researchers" A 3-Months Online Course, **Oxford University**
- "Health Informatics in The Cloud" A 10-Weeks Online Course, **Georgia Institute of Technology**
- "Interprofessional Healthcare Informatics" A 10-Weeks Online Course, **University of Minnesota**
- Ontology Design & Development