

Up to date: 11 January 2024

Name &Family

Parvaneh Esfahani

Contact Information:

Addresses: Department of health care services management, school of public health, Zabol University of Medical Sciences, Zabol, Iran

Academic Rank: Associate Professor

Education

- MS.C: Healthcare services management, Kerman University of Medical Sciences, Kerman, Iran, 2012
- Ph.D: Healthcare services management, Tehran University of Medical Sciences, Tehran, Iran, 2018

Language skills:

English: speaking: Good reading: Good writing: Good
 Persian: speaking: Native reading: Native writing: Native

Awards& Honors:

- The first student of healthcare services management, Zabol University of Medical Sciences, Zabol, Iran, 2007.
- The third student of healthcare services management, Zabol University of Medical Sciences, Zabol, Iran, 2008.
- 4th rank in health care management in PhD. entrance exam of Ministry of Health and Medical Education

• Top researcher in Zabol University of Medical Sciences, Zabol, Iran, 2023.



Experiences:

• 2018- present: Faculty member, school of public health, Zabol University of Medical Sciences, Zabol, Iran.



Course Teaching:

- Apprenticeship 2 for students of healthcare services management, Kerman, Iran.
- Medical equipment for students of healthcare services management, Zabol, Iran.
- Hospital management and organization for students of healthcare services management, Zabol, Iran
- Communication for students of healthcare services management, Zabol, Iran.
- Apprenticeship 3 for students of healthcare services management, Zabol, Iran.
- Specific language 2 for students of healthcare services management, Zabol, Iran.
- Research method for students of healthcare services management, Zabol, Iran.
- OB for students of healthcare services management, Zabol, Iran.
- Health planning for students of healthcare services management, Zabol, Iran.
- Apprenticeship 1 for students of healthcare services management, Zabol, Iran.
- Management principle for students of healthcare services management, Zabol, Iran.
- Apprenticeship 4 for students of healthcare services management, Zabol, Iran.
- Research method for students of healthcare services management, Zabol, Iran.
- Health planning for students of public health, Zabol, Iran.
- Principles of hospitals designing, equipping and developing for students of healthcare services management, Zabol, Iran.
- Specific language 1 for students of healthcare services management, Zabol, Iran.
- Health services principle for students of pharmacy, Zabol, Iran.
- Hospital standards for students of healthcare services management, Zabol, Iran.
- Hospital designing and developing for Iran.



- Attending in essay writing workshop, Kerman University of Medical Sciences, December 2010.
- Attending in ergonomic workshop, Zabol University of Medical Sciences, Health network, July 2010.
- Attending in advanced search workshop, Kerman University of Medical Sciences, 2011.
- Attending in operational planning workshop, Tehran University of Medical Sciences, 2013.
- Attending in advanced teaching methods workshop Tehran University of Medical Sciences, 2016.
- Attending in Scientific Search Strategies Workshop, Tehran University of Medical Sciences. November 2017.
- Attending in advanced search workshop, Zabol University of Medical Sciences, 2018.
- Attending in Information Systems Workshop, Zabol University of Medical Sciences, 2018.
- Attending in elementary teaching methods workshop, Zabol University of Medical Sciences, 2018.
- Attending in co-operation of professors, Zabol University of Medical Sciences, 2018.
- Lecturer in policy workshop, Zabol University of Medical Sciences, 2019
- Lecturer in proposal writing1 workshop, Zabol University of Medical Sciences, 2019
- Lecturer in proposal writing2 workshop, Zabol University of Medical Sciences, 2019
- Lecturer in RCA workshop, Zabol University of Medical Sciences, 2019
- Lecturer in operational planning workshop, Zabol University of Medical Sciences, 2019
- Attending in Information Systems Workshop, Zabol University of Medical Sciences, 2019.
- Lecturer in executive procedure workshop, Zabol University of Medical Sciences, 2019
- Attending in workshopping of studies centers, 2023& 2024

Publications:

Prevalence of hospital-acquired pressure injuries in intensive care units of the Eastern
Mediterranean region: a systematic review and meta-analysis

P Isfahani, S Alirezaei, S Samani, F Bolagh, A Heydari, M Sarani, ...

Patient Safety in Surgery 18 (1), 1

Methodological rigor in climate-resilient health systems research: from criticism to contribution
AM Mosadeghrad, P Isfahani, L Eslambolchi, M Zahmatkesh, M Afshari
Globalization and Health 19 (1), 101
Anxiety in Iranian Nurses during the COVID-19 Pandemic: A Meta-Analysis
P Isfahani, M Arefi, MS Borang, E Mirboluki, F Rasoulkhani, S Alirezaei,
Journal of the Iranian Institute for Health Sciences Research 22 (6)
Investigating the Effects of Educational Intervention Based on the Health Belief Model in Adopting Healthy Behaviors by Type 2 Diabetic Patients in 2021
M Sarani, A Heydari, P Isfahani
Journal of Research and Health 13 (6), 417-426
Virtual Learning Policies in Medical Sciences Universities During COVID-19: A Scoping Review
F Kazemi, S Taheri, P Isfahani
Health Education and Health Promotion 11 (3), 1001-1009
Effect of Educational Intervention Based on the Health Belief Model in Adopting Healthy Behaviors by Type 2 Diabetic Patients in 2021
M Sarani, A Heydari, P Isfahani
Journal of Research and Health 13 (6), 3-3
Strategies to tackle non-communicable diseases in Afghanistan: A scoping review
N Neyazi, AM Mosadeghrad, M Afshari, P Isfahani, N Safi
Frontiers in Public Health 11, 982416
Strategies to strengthen a climate-resilient health system: a scoping review
MZMA Ali Mohammad Mosadeghrad, Parvaneh Isfahani, Leila Eslambolchi
Globalization and Health
Strategies for reducing induced demand in the health system: A scoping review.
AM Mosadeghrad, P Isfahani
Journal of Health Administration 25 (4)

Hospital efficiency in the eastern mediterranean region: A systematic review and meta-analysis
PI Alireza Mahboub-Ahari and Victoria D. Bélorgeot Hamid Ravaghi, Mahnaz Afshari
Frontiers in Public Health
Predicting Covid-19 preventive behaviors based on constructs of health belief model
A Heydari, P Isfahani, S Bagheri
Primary Health Care Research & Development 24, e13
Evaluation of Knowledge, Attitude, and Protective Behaviors of Teachers Against Dust Phenomenon Based on the Health Belief Model
M Sarani, A Heydari, SMH Zare, MS Hosseini-Zare, MAZ Bazi, N Sarani,
The Open Public Health Journal 15 (1)
Determination and analysis of leisure time patterns in the elderly: qualitative content analysis
SM Hosseini Zare, A Pourreza, P Esfahani, K Abdi
Journal of Sabzevar University of Medical Sciences 29 (1), 88-100
Primary Health Care Strengthening Strategies in Iran: A Realistic Review
AM Mosadeghrad, M Heydari, P Esfahani
Journal of School of Public Health and Institute of Public Health Research
Strategies for Reducing Induced Demand in Hospitals Affiliated with Iran University of Medical Sciences: A Qualitative Study
H Seyedin, M Afshari, P Isfahani, E Hasanzadeh, M Radinmanesh,
Evidence Based Health Policy, Management and Economics
Success Rate of Strategic Planning: A Case Study of a Medical Science University in Southeast Iran
P Isfahani, M Afshari, A Miri, E Shanavazi, M Arefy, J Shahreki
Evidence Based Health Policy, Management and Economics
Prevalence of Depression Among Nurses of Iran: A Meta -analysis
SS Isfahani P. Corani Bahador R. Peirovy S. Afshari M.

Evidence Based Health Policy, Management & Economics 6 (2), 137-48 Prevalence of Depression among Iranian Nurses: A Meta-analysis P Isfahani, R Corani Bahador, S Peirovy, M Afshari, S Samani Evidence Based Health Policy, Management and Economics, 0-0 Quality of Life among Cancer Patients in Iran AM Isfahani P, Corani Bahador R, Peirovy S Health Education and Health Promotion 10 (1), 23-31 Physician retention in deprived areas: a letter to the editor PI Ali Mohammad Mosadeghrad Tehran Univ Med J 79 (12), 992-3 The Attitude of Healthcare Services Management Students towards Self-Directed Learning پروانه اصفهانی فایزه رسولخانی حدیثه شهرکی فاطمه محمدی سمیه سامانی مجله دانشکده پزشکی زابل ۹۷-۹۱ Prevalence of nosocomial infection in Iranian hospitals: a systematic review and meta-analysis AM Mosadeghrad, M Afshari, P Isfahani Iranian Journal of Epidemiology 16 (4), 352-362 Predicting the COVID-19 epidemic using the Google Trends: Short-Communication AM Mosadeghrad, H Dehnavi, P Isfahani Journal of the Iranian Institute for Health Sciences Research 20 (2) Spiritual health in Iranian nurses: a meta-analysis P ESFAHANI, MA Khammer INTERDISCIPLINARY QURANIC STUDIES 12 (1001801), 35-50 Comparison of some hospital indicators before and after the implementation of the

transformation plan in training hospitals affiliated to Zabol University of Medical Sciences

M Shamsaii, M Shamsaii, R Bahlgardi, P ESFAHANI

	Comparison of Hospital Indicators Before and After the Implementation of the Health Sector Evaluation Plan in Teaching Hospitals of Zabol University of Medical Sciences (Iran)
	M Shamsaei, M Shamsaei, S Mohammadnezhad, R Bahlgardi, P Isfahani
	Facilitators to health policy and management knowledge translation: A scoping review
	PI Ali. Mohammad Mosadeghrad
	payesh
	Prevalence of depression among Iranian elderly: A Systematic review and Meta-analysis
	P Isfahani, M Afshin, F Mohammadi, M Arefnezhad
	The main factors of supplier-induced demand in health care: A qualitative study
	H Seyedin, M Afshari, P Isfahani, E Hasanzadeh, M Radinmanesh,
	Journal of education and health promotion 10
	Job stress among Iranian nurses: A meta-analysis
	P Isfahani, M Shamsaie, S Peirovy, RC Bahador, M Afshari
	Nursing and Midwifery Studies 10 (1), 57-64
	Health financing system indicators: A scoping review
	PI Ali. Mohammad Mosadeghrad, Shiva Toloui Rakhshan, Mahnaz Afshari
	Hakim 23 (3), 353-66
	The impact of education on quality of life of diabetic patients in Zabol
	MRK Azadeh Heydari, Parvaneh Isfahani*, Mohammad Sarani
	Journal of Diabetes Nursing 8 (4), 1250-59
	The prevalence of depression in Iranian pregnant women: a meta-analysis
	P Isfahani, M Afshin, F Rasulkhani, N Azizi
	Journal of Health Based Research 6 (1), 51-65

Reasons for low efficiency in Iranian hospitals: A scoping review of two decades of research
AM Mosadegh-rad, P Esfahani, M Afshari
Ebnesina 22 (1), 29-45
Prevalence of unwanted pregnancy among Iranian women: systematic review and meta-analysis
P Esfahani, Z Danshi Kohani, M Arefi
Pajouhan Scientific Journal 18 (2), 1-12
A survey of awareness and nutritional behaviors of type 2 diabetic patients in Zabol city
FK Parvaneh Isfahani, Azadeh Heidari*
Journal of Zabol Medical School 3 (4), 159-66
The Comparison of Performance Indicators of Emergency Department before and after Implementation of Health Sector Evolution Plan in Educational Hospital in Zabol
PI Monire Shamsaii, Mohammadjavad Shamsaii, Marzieh Arefy
Journal of Zabol Medical School 3 (3), 118-124
Hospital Tariffs: A Conceptual Analysis
KF Mosadeghrad AM, Isfahani P
Hakim Health Sys Res 23 (2), 246-259
Medical errors in Iranian hospitals: systematic review
AM Mosadeghrad, P Isfahani, T Yousefinezhadi
Tehran University Medical Journal 78 (4), 239-247
Leisure time activities and mental health among Tehran older people
M Hosseini zare, M Tajvar, K Abdi, P Esfahani, B Geravand, A Pourreza
Iranian Journal of Ageing
Meta-Analysis of the Relationship between Quality of Hospital Service and Patient's Loyalty in Iranian Hospitals
P Esfahani, M Hossieni, M Esfahani
Health Research Journal, 0-0

بررسی دیدگاه بیماران بستری نسبت به حفظ حریم خصوصی در بیمارستان آموزشی در شهر زابل
پروانه اصفهانی، منیره شمسایی، محمد جواد شمسایی، ز هره بخشایش، طیبه سرزهی
مجله دانشکده پزشکی زابل ۳ (۱), ۲۱-۲۱
Impact of unemployment on health in Iran: A scoping review of 15 years of research
MT Parvaneh Isfahani, Rasoul Corani babador , Mahnaz Afshari
Journal of Fasa University of Medical Sciences, 0-0
Prevalence of Severe Depression in Iranian Women with Breast Cancer: A Meta-Analysis
MS Parvaneh Isfahani, Marziye Arefy
depression research and treatment 2020, 1-8
Prevalence of depression in Iranian women with Breast Cancer: A Meta analysis
MS Parvaneh Isfahani, Seydeh Mahboubeh Hossieni zare
Quarterly of the Horizon of Medical Sciences 26 (2), 170-182
Main Factors Leading to Supplier-induced Demand in Iran: A Comprehensive Review
M p isfahani
health scope
Barriers to Knowledge Translation in Health Policy and Management: A Scoping Review
PI Ali. Mohammad Mosadeghrad
Hakim 23 (1), 86
Out of Pocket Payment by Inpatients after Health Sector Evolution Plan and its effecting factors: a report of Iran
MMAA Hesam Seyedin, Mahnaz Afshari, Parvaneh Isfahani, Kobra Saeedisharif
E-Shiraz journal 21 (7)
Strategic planning challenges in the hospital: A qualitative study
AM Mosadeghrad, P Isfahani
Payesh (Health Monitor), 0-0

Strategic Planning Success Factors in Hospitals: A Qualitative Study
PI Ali.Mohammad Mosadeghrad
Journal of Payavard Salamat 14 (1)
Employment Status of the Healthcare Management Graduates in Zabol University of Medical Sciences
منیره شمسایی, مرضیه عارفی, پروانه اصفهانی
مجله دانشکده پزشکی زابل, ۱۱۸-۱۲۳
Job satisfaction among nurses in hospitals of Iran: a systematic review and meta-analysis
P Isfahani, T Sarzehi
Pajouhan Scientific Journal 17 (4), 1-8
The prevalence of burnout among nurses in hospitals of Iran: a systematic review and meta- analysis
P Isfahani
J Health 10 (2), 240-50
The Relationship between Job Satisfaction and Organizational Commitment in Hospitals of Iran: A Meta-analysis
P Esfahani, A Heydari
Pajouhan Scientific Journal 17 (3), 8-15
Strategies to improve hospital efficiency in Iran: A scoping review
AM Mosadeghrad, P Esfahani, M Afshari
Payesh (Health Monitor) 18 (1), 7-21
Patients' unnecessary length of stay in Iran: A systematic review and meta-analysis
AM Mosadeghrad, P Esfahani
Jundishapur Scientific Medical Journal 17 (5), 529-544
Futurology of Iran health transformation plan
M Momeni, MJ Fatemi, B Kamranfar, M Saberi, T Bagheri, M Niazi

Tehran University Medical Journal 77 (6), 1683-1764

Quality of Services in the Hospitals of Iran: A Systematic Review and Meta-Analysis
MS Parvaneh Isfahani
health and development journal 8 (4)
Hospital strategic planning prerequisties
PE Ali. Mohammad Mosadeghrad
hospital journal 18 (3), 73-86
A systematic review on hospital inefficiency in the Eastern Mediterranean Region: sources and solutions
PIVDB Hamid Ravaghi , Mahnaz Afshari*
BMC health services research 19, 830
Unnecessary hospital admissions in Iran: a systematic review and meta-analysis
PI Ali Mohammad Mosadeghrad
Tehran University Medical Journal 77 (6), 392-400
Patients' Satisfaction in Hospitals of Iran: A systematic Review and Meta-Analysis.
NF Esfahani P
Qom Univ Med Sci J 13 (4), 58-72
Strategies to improve hospital efficiency in Iran: A scoping review
MA AliMohammad Mosadeghrad, Parvaneh Esfahani
Journal of the Iranian Institute for Health Sciences Research (Payesh) 18 (1
Job Motivation among Iranian Nurses; a Systematic Review and Meta-Analysis Study
MA Parvaneh Isfahani
Health Research Journal 4 (1), 30-37
The success of strategic planning in health care organizations of Iran
P Esfahani, AM Mosadeghrad, A Akbarisari

International Journal of Health Care Quality Assurance 31 (6), 563-74 The Challenges of Strategic Planning in Tehran Province Hospitals PI Ali Mohammad Mosadeghrad Manage Strat Health Syst 3 (3), 184-200 ☐ Successful implementation of strategic planning in hospitals in Tehran province AM Mosadeghrad, A Akbari-sari, P Esfahani Payesh (Health Monitor) 16 (6), 759-773 Hospitals' Effeciency in Iran: A Systematic Review and Meta-Analysis of Two Decades of Research Ali Mohammad Mosadeghrad, Parvaneh Esfahani, Marziyeh Nikafshar payavard 11 (3) Survey of Neonatal Mortality in NICU in Amiralmomenin Hospital of Zabol University of Medical Sciences in 2014: A Short Report PI NM AREF, N JABERI, PE KHALILI JOURNAL OF RAFSANJAN UNIVERSITY OF MEDICAL SCIENCES 15 (1), 91-8 Survey of the affective factors on the length of hospital stay of acute coronary syndrome patients in Amir-al-momenin Hospital of Zabol in 2014 RM Isfahani p, Arefnezhad M, Purmand S Community Health Journal 10 Mental health status and its relation with students' internet addiction at Charam [Payame Noor University] in 2014 MI Hosseini Seyyed Mehdi, Hemat Fard Hekmatollah, Esfahani Parvaneh Quarterly Journal of Sabzevar University of Medical Sciences 22 (3)

The Study of Avoidable Mortality Due to Road Traffic Accidents during 2004-2010: A Case Study

in Kerman, Iran

IP Amiresmaili M, Esfandiari A, Hedaiati SP

J Manage Med Inform Sch 2 (1)

Study of the avoidable mortality in Iran: Kerman Province
M Amiresmaili, N Khanjani, MN Moghadam, P Isfahani
Iranian Red Crescent Medical Journal 15 (4), 345
Measuring level of public relations in hospitals
M Amiresmaili, SH Rostami, P Isfahani
Middle east journal of family medicine 10 (9), 9-12
Awareness, attitude and performance of Nurses in affiliated hospitals of Zabol University of Medical sciences, Iran, about principles of universal precautions
MR Amiresmaili, A Esfandiari, P Isfahani
Health and Development Journal 1 (4), 298
The Effective Factors in Improving Hospital Performance Indicators from the Viewpoint of Zabol Hospital, Iran, Managers
M Amiresmaili, A Mosleh, P Isfahani, M Emami
Health and Development Journal 1 (1), 56-66
سلامت معنوی در پرستار ان ایر انی؛ یک مطالعه متاانالیز
پروانه اصفهانی، محمدعلی خمر، یاسر شهنوازی، حجت اقایی، مریم خرم روز
پژوهش های میان رشته ای قران کریم ۱۲ (۱), ۳۵-۵۰
Reasons for Induced Demand in the Health System: A Scoping Review
AM Mosadeghrad, P Isfahani
Payavard Salamat, 0-0

Proposal:

- Family Physician Retaining and its effect factors in healthcare centers. Zabol University of Medical Sciences, Zabol, Iran, 2009
- The Effective Factors in Improving Hospital Performance Indicators from the Viewpoint of Zabol Hospital. Zabol University of Medical Sciences, Zabol, Iran, 2009.

- Preparedness of Zabol University of Medical Sciences hospitals against earthquake.
 Zabol University of Medical Sciences, Zabol, Iran, 2009.
- Investigation of Educational Motivation and Its Related Factors in Students of Zabol University of Medical Sciences, Zabol, Iran, 2009.
- Investigation relation between motivation and leadership style of Zabol University of Medical Sciences, Zabol, Iran, 2009.
- Waiting time in the emergency department in selected hospitals of Zabol University of Medical Sciences, Zabol, Iran, 2008.
- The Relationship between Career Plateau and Job Burnout among Employees of Teaching Hospitals Affiliated to Kerman University of Medical Sciences, Kerman, Iran, 2012.
- Systematic review of examining the implementation of accrual accounting in public sector and health system, challenges and solutions, 2012
- Investigation of Influencing Factors of Drivers' Risky Behavior in Iran, 2013
- Developing a strategic planning model for healthcare organizations of Iran, 2014
- Explaining facilitators of implementing accreditation process in hospitals affiliated to zabol university medical science, 2018
- explaining facilitators of implementing strategic planning hospitals affiliated to zabol university of medical science, 2018
- Systematic review and meta-analysis of services quality in hospitals of Iran in 2018.
- Strategies to reduce the socio-economic impacts of the Covid-19 epidemic, 2022
- Induced demand in healthcare: Reasons and its reductions solutions, 2022
- Development of a National Guideline on Self-care for Focal Points of the State Welfare Organization's Social Emergencies Unit, 2022
- Futurology of Iran health transformation plan,2022
- Hospital management job analysis, 2023
- Developing a climate-resilient health system in Iran, 2023
- Community-based interventions to prevent child abuse, 2024

Conference papers:

- Hospitals' efficiency in Iran: A systematic review and meta-analysis of two decades of research, Design and Manufacture of Hospital Equipment, 2016
- Talented students' motivational factors, 12th national congress of medical education and 4th educational festival of motahari, 2011.
- Faculty Members' attitude Challenges in E-Learning. 5th Conference on Electronic Learning in Medical Education, Kerman University of Medical Sciences. February 2011

- Investigation relation between motivation and leadership style, 1st student conference in Zabol University of Medical science, 2009
- Family Physician Retaining and its effect factors in healthcare centers. 7th Conference in Kerman University of Medical Sciences, 2009
- Impact leadership style on motivation, 7th Conference in Kerman University of Medical Sciences, 2009
- The Effective Factors in Improving Hospital Performance Indicators from the Viewpoint of Hospital managers, 7th Conference in Kerman University of Medical Sciences, 2009
- Preparedness of Zabol University of Medical Sciences hospitals against earthquake,
 7th Conference in Kerman University of Medical Sciences, 2009
- Maintenance status of Amir Al-Momenin Hospital, 7th Conference in Kerman University of Medical Sciences, 2009
- Job Burnout Status among managers, 7th Conference in Kerman University of Medical Sciences, 2009
- Survey of satisfaction based on criteria of EFQM model's client results in students of Zabol University of Medical Sciences, 1st student conference in Zabol University of Medical science, 2009
- Study of the Avoidable Mortality in Iran: Kerman Province, social factors and health inequality conference, 2013
- The Study of Avoidable Mortality Due to Road Traffic Accidents, social factors and health inequality conference, 2013
- Mental health status and its relation with students' internet addiction, social factors and health inequality conference, 2013
- Effect storms on statue of peoples' health: scoping review, storm conference, 2018
- Hospital infection. 5th Congress of Medical Bacteriolog, 2018

Book:

- Mosadeghrad AM, Esfahani P. Inefficiency factors in Iran health system, Researches Centre, Tehran, 2017.
- Communication in healthcare organization, 2022

Supervising and consulting:

- Survey the relationship between strategic planning and organizational performance in Zabol University of Medical Sciences in 2018
- Survey causes of patients' re-admission in Amir Al-Momenin educational hospital of Zabol University of Medical Science in 2018.
- Survey Organizational Health of Zabol University of Medical Sciences in 2018
- Employment status of health-treatment services management alumni, 2018
- A study on the development of medical error prevention strategies in hospitals affiliated to Zabol University of medical sciences in 2019.
- Systematic review and meta-analysis of nurses job motivation in Iranian hospitals in 2018.
- Investigating factors affecting the health services of specialist physicians in zabol in 2019
- Investigating factors affecting the health services of general physicians in zabol in 2019
- Examining the impact of accreditation standards on patient safety indicators in Zanjan hospitals, 2022
- Assessing the efficacy of Google Trends data for early detection of COVID-19 outbreak, 2022
- Future study of universal health coverage in Iran, 2024
- A systematic review study on the cost-effectiveness of Remdesivir in the treatment of hospitalized patients with COVID-19, 2024

Articles Reviewing:

- Payesh Journal
- Development and Health Journal
- Journal of Zabol medical school
- Eastern Mediterranean Health Journal
- Journal of School of Public Health and Institute of Public Health Research
- EBNESINA Journal
- BMC Woman Health
- BMC Nursing

Membership:

- Member of strategic planning committee, school of public health, Zabol University of Medical Sciences in 2015
- Member of researches committee of Kerman University of Medical Sciences in 2012-2013
- Member of researches committee of Zabol University of Medical Sciences in 2018-2019.

Research Interests:

- Strategic planning
- Efficiency
- Knowledge translation
- Hospital management
- Systematic review
- Meta-analysis