

VAHID MEHRNOUSH MD MSc

Research Fellow, Trauma, Acute Care Surgery and Global Surgery, General Surgery, UBC

Ideas Hub, Trauma Services, Vancouver General Hospital (VGH)

828 West 10th Avenue, Vancouver, BC V5Z 1m9

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Re: Visiting Professor, Shiraz University of Medical Science



HIGHLIGHTS

RESEARCH

Designing Research System for Learning Health System in General Surgery

Creating a website as a central reservoir for research and data requirement

Leading, managing, and coordinating multidisciplinary, national, and international projects

Conducting varied clinical research, QI projects, Medical Education, Injury Prevention

Organizing and coordinating General Surgery Research Unit Symposium

Supervising and mentoring in research at different level, i.e. high-school, undergraduate, medical student, residents, clinical fellows

Research skills: Generating new ideas, formulating research questions, objectives, and hypotheses, designing different methods of research, identifying the collecting data strategy, creating REDCap or excel data collection platform, submitting ethics application forms, performing basic statistics (SPSS, R), writing manuscript, holding presentation skills

EDUCATION

Acute Care Surgery Research Fellow, General Surgery, VGH/UBC

Trauma Research Fellow, General Surgery, VGH/UBC

Master of Science, Experimental Medicine, UBC

Doctor of Medicine, Iran

ATLS certificate (potential Instructor, written exam:100/100)

TEACHING

Potential ATLS instructor (in Iran)

Mentoring 20 students (IMGs, medical students, undergraduate, high-school) in research

Assisted in teaching anatomy lab and lectures

EDUCATIONAL BACKGROUND

- Post-Doctoral Research Fellowship

Apr 2019 - Present

Trauma, Acute Care Surgery, and Global Surgery, General Surgery, UBC

- **Master of Science** 2020
Experimental Medicine, Faculty of Medicine, UBC
Supervisor: Dr. Jeff Brubacher
"Association between leisure activities and risky driving behavior in young Canadian"
National study, integrated Knowledge Translation, engaged 20 youths as advisory committee, held focus groups, developed survey, performed the regression and stepwise model analysis
- **Doctor of Medicine** 2007
Faculty of Medicine, Hormozgan University of Medical Science, Iran

CERTIFICATE

ATLS certificate (Potential Instructor, written:100/100)	2019
Continuing Professional Development, Trauma Program, VCH (79 credits)	2016 - 2018
Responsible Conduct of Research- CITI program, UBC	Jun 2018
PHC PCIS 150G (Physicians)- SCM Basics Online- LearningHub, PHC	Jan 2018
Privacy and confidentiality undertaking for VCH employees	Jan 2018
Instructional Skills Workshop (ISW)- 24-hr training	Jun 2017
Canada GCP, Investigators; Stage: 1-Basic - CITI program, UBC	Jun 2017
Introduction to Lab Safety Course- UBC	Nov 2016
Preventing and Addressing Workplace Bullying and Harassment - UBC	Jul 2014
TCPS 2: Core- Panel of Research Ethics	Feb 2013

WORK EXPERIENCE

RESEARCH

- **Acute Care Surgery Research Fellow – Dr. Hameed** Oct 2018 - Present
- **General Surgery Research Unit Coordinator – Dr. Hameed**
Division of General Surgery, VGH/UBC
Designing Research System (in process) for Learning Health System in General Surgery, Developing an internship program (in process), Design an "Innovative Week" research course for residents (in process), Designing and developing a unique website for centralizing research productivity (in process)
Recruiting students for the projects, Organizing the symposium, Coordinating monthly sessions, Inviting guest speakers, Designing an efficient model for a research team for a project called research squad, Providing consultation and coordination to residents and fellows regarding their research projects
- **Trauma Research Fellowship – Dr. Hameed/ Dr. Garraway** Apr 2019 - Present
Trauma, Acute Care Surgery, and Global Surgery, General Surgery, UBC
Generating a few ideas: "Cannabinoid products in pain management in Trauma and ACS patients", "Define missed injury in trauma (QI)", Coordinating clinical projects including multidisciplinary projects, Consulting and providing help for residents and fellows, engaging and mentoring 20 students for their projects, creating databases.
- **Research Coordinator - Dr. Hameed/ Dr. Garraway** Oct 2018 - Present
Trauma, Acute Care Surgery, and Global Surgery, General Surgery, VGH/UBC
Improving multidisciplinary and international collaboration, Supervising and coordinating all research projects, Writing protocols, REB applications, and manuscripts
- **ATLS Assistant Coordinator - Dr. Garraway** Sep 2017 - Present
Advance Trauma Life Support (ATLS), VGH

- **Medical Consultant – Dr. Qayumi** Aug 2016 - Present
CanHealth International - Volunteer
"Cyber Patient", a novel educational tool for Medical Education
Mapped out the approach strategy for medical team, Provided the first template of case log, Developing cases, Added the idea of cryptocurrency to the project, Developing and reviewing medical cases according to MCC objectives, Collaborating with Digital Media team for implementation of the case logs

- **Clinical Simulation Technician** May 2016 - Present
VGH Simulation Centre - Volunteer
Running weekly simulation session with high-fidelity mannikins, Transferring the provided scenarios into required software

- **Ultrasound model** May 2016 - Present
General Surgery, Emergency Medicine, Family Practice Departments – Volunteer
Learning opportunities for point-of- care Ultrasound

- **Research Coordinator - Dr. Hawkins/ DR. Fitzgerald** Jun 2017 – Dec 2018
Cardiology Department, VGH/UBC
"The COPD Screening for Heart Failure with point of care investigation- (COPS-HF) Clinical Trial"
Devised and mapped out a plan to enhance the recruitment rate which ended up saving time and cost; Interviewed patients and collecting the data; performed the analysis (Bland-Altman plot); Writing manuscript

- **Research Coordinator - Dr. Iraj Poureslami / DR. Fitzgerald** Feb 2014 – Jun 2018
Respirology Department, VGH/ UBC – Volunteer
"Post-discharge package for COPD patients for 6 languages- Farsi section"
"Health Literacy in COPD patient"
Held focus groups; Extracted constructs from comments; Developed pamphlets and the videos based on patients' needs in English and translated in Farsi for Farsi-speaking community
<https://youtu.be/O3adu8jNlkU>
<https://youtu.be/jl2WLRXIUUBA>
https://drive.google.com/open?id=0B_G7g72Uqf_GMjRWTzA3WmZjekk&authuser=0

- **Research Assistant - Volunteer**
Section of Trauma, ACS, and Global Surgery, Dr. Hameed/Dr. Evans/ Dr. Joos Jan 2016 – Oct 2018
Emergency Department, VGH/UBC - Dr. Brubacher/ Dr. Desapriya Dec 2012 – Jan 2018
Emergency Department, St. Paul's Hospital – Dr. Stenstrom/ Dr. Barbic May 2016 – Aug 2017
Engaged in more than 15 projects (list upon request)

CLINICAL

- **Emergency Room Doctor (GP+1yr course)** 2007- Oct 2012
SH.Mohammadi Hospital, Bandar-Abbas, Iran (FT) - Level 1 trauma center
Amin Hospital, Isfahan, Iran (FT) - Level 1 trauma center
6 other hospitals (PT)
Provided patient-centered care, Assessed and treated a wide variety of medical conditions as Emergency Room Physician including mostly Trauma, General Surgery, Emergency, Orthopedics, Neurosurgery, Internal, Neurology, Psychiatry, Cardiology, Pediatrics, stabilized patients and consulted with other disciplines.; Handled procedures (e.g. CPR/AED, Intubation, chest tube, reducing some dislocations, stabilize fractures, splinting, sutures, remove foreign bodies etc.)

- **Palliative-care Physician Assistant - Volunteer** 2010 - 2012
Seyyed al Shohada Hospital – Palliative medicine clinic, Isfahan, Iran

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Visited terminally ill patients (home visits); Provided end of life care, comfort care, counseling, seeking financial support to patients and their families in collaborate with charities and stakeholders; all was handled as a team including psychologist, nutritionist, psychiatrist, palliative specialist, social worker, and nurse.

- “Methadone Maintenance Treatment” physician 2010 - 2012

Drop-In-Center (DIC), Bandar-Abbas, Iran (PT)

Managed the center with 6 staff members (nurses, psychiatrist, peer counselors) and 250 clients

Provided post detox recovery (methadone) and harm reduction measures, i.e. safe injection /needle exchange program, monitored clients during the process of abstinence. Provided counseling and support to patients and their families regarding physical and psychological issues, health education, illness prevention, and job opportunities.

TEACHING EXPERIENCE

- Post-Doctoral Research Fellowship – Dr. Hameed/ Dr. Garraway Apr 2019 - Present

Trauma, Acute Care Surgery, and Global Surgery, General Surgery, UBC

Mentoring or Co-mentoring the following students:

Students	Grade	Project(s)
1. Vania Rezaei	High-school	Cycling accidents (GIS study); Research productivity
2. Ava Keshavarz	High-school	Publication Transparency
3. Roham Goudarzi	High-school	Research Productivity
4. Ali Hosseinzadeh	Undergraduate	Trauma Training in Residency (national project)
5. Saman Darabian	Undergraduate	Gastrograffin in SBO patients; Trauma Training in Residency (national project)
6. Benyamin Zargar	Undergraduate	Research Culture, Research Productivity
7. Hannah French	Undergraduate	Trauma Training in Residency (national project)
8. Josh Bugis	Undergraduate	Co-mentor: Patient satisfaction, antibiotic and narcotic use in patients with appendicitis
9. Ali Salehi	Undergraduate	Cannabinoid products in pain management in Trauma and ACS patients
10. Kanika	IMG/ MSc student	Co-mentor: 5 Clinical Practice Guidelines
11. Omid Ghahramani	Undergraduate	5 Clinical Practice Guidelines; Percutaneous Tracheostomy experience at VGH
12. Alex Lee	Medical student	Co-mentor: Cardiac Injury; General Surgery IPN restructuring; 5 Clinical Practice Guidelines
13. Aida Rahavi	Medical student	Trauma Training in Residency (national project); Epidural anesthesia in elective laparotomy patients; Cannabinoid products in pain management in Trauma and ACS patients
14. Catherine Zhou	Medical student	Gastrograffin in SBO patients; Trauma Training in Residency (national project)
15. Sara Appleby	Medical student	Co-mentor: 5 Clinical Practice Guidelines
16. Xuan Zhao	Medical student	Co-mentor: 5 Clinical Practice Guidelines
17. Sairvan Fernandez	Medical student	Co-mentor: 5 Clinical Practice Guidelines; Mountain biking accidents
18. Tessa Ladner	Medical student	Co-mentor: 5 Clinical Practice Guidelines; Mountain biking accidents

19. Farhad Udawadia	Medical student	Co-mentor: 5 Clinical Practice Guidelines
20. Mina Salehi	IMG/ MSc student	Co-mentor: Emergency Surgical Skills in South Africa (MSF project)

- Teaching Assistant

Sep 2018 – Jun 2019

Anatomy Lab (Med 411, 412,421,422), Faculty of Medicine, UBC (Medical students Y1 and 2)

Anatomy (CAPS 391), UBC (Undergraduate students)

Provided students with lecture summary, office hours addressed the questions and concerns

Attended lab/sessions, helped with dissections and answered the questions

RESEARCH

PUBLICATION

1. "Caring for Canada's Care Providers Amidst the COVID-19 Pandemic", Letter

Nilanga Aki Bandara, BSFN Vahid Mehmoush, MD Ricky Jhauj, BKin. CMAJ, 28 May 2020

2. SELF-CARE DURING THE PANDEMI, Letter

Nilanga Aki Bandara, BSFN Vahid Mehmoush, MD Ricky Jhauj, BKin. BCMJ, vol. 62 , No. 6 , July August 2020 , Pages 194-195
Letters COVID-19

3. "E-cigarettes and Youth Health", Letter

Nilanga Aki Bandara, Senara Wanniarachchi, Mehara Seneviratne, **Vahid Mehmoush**. BCMJ, vol. 62 , No. 3 , April 2020 , Pages 88

4. "Evidenced-based tobacco-control legislation n e-cigarette is urgently needed", Letter

Nilanga Aki Bandara, Senara Wanniarachchi, **Vahid Mehmoush**. CMAJ January 20, 2020 192 (3) E74; DOI:

<https://doi.org/10.1503/cmaj.73819>

5. "The Major of Causes of Death in Children", Letter

Nilanga Aki Bandara, Ricky Jhauj, B.Kin., **Vahid Mehmoush**. New England Journal of Medicine, Apr 04, 2019; 380: 141383-1385;

6. "Vehicle danger and older pedestrian safety"

Ediriweera Desapriya, **Vahid Mehmoush**, Sara Yasami, American Journal of Preventive Medicine, manuscript number: 18-0119-007, Accepted Mar 21, 2018

7. "Cultural competency and culturally safe clinical care"

Ediriweera Desapriya, **Vahid Mehmoush**, Nilanga Aki Bandara. CMAJ January 22, 2018 190 (3) E84; DOI:

<https://doi.org/10.1503/cmaj.733435>

8. "Minor Injury Crashes: Prevalence of Driver-Related Risk Factors and Outcome."

Brubacher JR, Chan H, Pursell E, Tuyp BJ, Ting DK, **Mehmoush V**. J Emerg Med. 2017 Mar 7. pii: S0736-4679(17)30113-0.

9. "The impact of restricted driver's licenses on crash risk for older drivers: A systematic review"

Dr. Mark Asbridge, Dr. Ediriweera Desapriya, Ms. Rachel Ogilvie, Ms. Jennifer Carthewright, Dr. Dinesh Weerasinghe, Mr. Takuro Ishikawa, **Dr. Vahid Mehmoush**. Transportation Research Part A: Policy and Practice; Mar 2017.

<https://doi.org/10.1016/j.tra.2017.01.006>

10. "Epidemiology of children and adolescent eye injuries in British Columbia."

Ediriweera Desapriya, Nayomi Gomes, Kavindra Ratnaweera, **Vahid Mehmoush**, Eshani Fernando, Ricky Jhauj, Abdulwahab Al-Isa, Parisa Khoshpouri, Nima Naghshgar; World J Ophthalmol. Feb 12, 2017; 7(1): 1- 6

11. "Cigarettes, Incentives, and Drugs for Smoking Cessation", Letter

Aki Nilanga Bandara, **Vahid Mehmourush**, New England Journal of Medicine 379(10):991, September 2018

12. "Electronic cigarettes: adolescent health and wellbeing", Correspondence

Aki Nilanga Bandara, **Vahid Mehmourush**, THE LANCET, Aug 11, 2018, DOI: [https://doi.org/10.1016/S0140-6736\(18\)31177-2](https://doi.org/10.1016/S0140-6736(18)31177-2)

13. "Electronic cigarettes for tobacco cessation: an overview of systematic reviews"

Aki Nilanga Bandara, Karim Harjee, Nobutada Iwase, Taye Negussie, Namal Wijesinghe, Abdulwahab Al-Isa, **Vahid Mehmourush**. PROSPERO 2018 CRD42018095807 Available from:

http://www.crd.york.ac.uk/PROSPERO/display_record.php?ID=CRD42018095807

14. "What are the short-term goals of patients presenting the emergency department with an acute

mental health complaint?"

Barbic, SB., MacEwan, WG. Leon, A., Chau, S., Salehmohamed, Q., Kim, B., Laban, P., **Mehmoush, V.**, Khamda, B., Khoshpouri, P., Osati, F., Barbic, D. Submitted to the Canadian Association of Emergency Physicians conference January 6th, 2017.

15. "The social determinants of health in adults presenting to the ED with a mental health complaint."

Salehmohamed, Q., Barbic, D., MacEwan, WG. Leon, A., Chau, S., Kim, B., Laban, P., **Mehmoush, V.**, Khamda, B., Osati, F., Khoshpouri, P., Barbic, SB. Submitted to the Canadian Association of Emergency Physicians conference January 6th, 2017.

16. "Efficacy of the intravitreal anti-vascular endothelial growth factor (VEGF) agent ranibizumab driving"

Ediriweera Desapriya, Research Associate, **Dr. Vahid Mehmoush**, Dr. Michael Fernando. **BMJ Open**, e-Letter, 19 Jan 2016

17. "Prevalence of driver-related risk factors for crashing in mildly injured drivers"

Jun 2014 Canadian Multidisciplinary Road Safety Conference XXIV. Vancouver, BC (conference proceeding paper);

Jeffrey R Brubacher, MD, MSc, Herbert Chan, Ph.D., Elizabeth Pursell, Benjamin Tuyp, Ediweera Desapriya, Ph.D., **Vahid Mehmoush, MD**

18. "Action Plan" and "Rehab and Exercise" in COPD patients (Farsi Group)- Video

Presenter in the videos, Apr 2015

<https://youtu.be/jl2WLRXlUBA>

<https://youtu.be/O3adu8jNlKU>

19. "Overview of COPD", "Diet in COPD" and "smoking and COPD" in Farsi,

FarsiMed Health Magazine (published in Canada), Nov 2014, 2(13), 19-24;

<http://www.farsimed.net/pdfs/farsimed%20Nov%202014/>

PRESENTATION

1. "Utility of Imaging in Damage Control Surgery: Experience in a Tertiary Care Centre"- Oral

Saman Fouladirad, Shobhit Rad, Vahid Mehmoush, David Evans, Nicolas Murray

The ASER 2019 Annual Scientific Meeting and Postgraduate Course in Emergency and Trauma Radiology, Scottsdale, Arizona, America, September 11 - 14, 2019

2. "Leisure activity and risky driving behavior in young Canadian (16-24 y/o)" Oral

Vahid Mehmoush, Herb Chan, Shannon Erdelyi, Youth Advisory Committee, Jeff Brubacher

Trauma Association of Canada 2019, Calgary, Canada, Feb 28-Mar 01, 2019

3. "Auto Transfusion in Trauma Patients-review"- Oral

Christian Heck, Vahid Mehmoush, Emilie Joos, Naisan Garraway, Morad Hameed

Trauma Association of Canada 2019, Calgary, Canada, Feb 28-Mar 01, 2019

4. Trauma Game Show - Talk

Dr. Morad Hameed, Vahid Mehmoush

Canadian Critical Care Conference, Whistler, Canada, 04-07 Feb 2019

5. Updates in Shock Resuscitation - Talk

Dr. Morad Hameed, Vahid Mehmoush

Canadian Critical Care Conference, Whistler, Canada, 04-07 Feb 2019

6. "Evaluation of Vascular Pathologies with Novel 3D CT Cinematic Rendering." - Oral

Sadia R Qamar, Gordon T Andrews, Heiko Schmiedeskamp PhD, Parisa Khoshpouri, Vahid Mehmoush, Savvas Nicolaou.

RSNA (Radiological Society of North America), 104th Scientific Assembly and Annual Meeting, McCormick Place, Chicago, United States of America, 25-30 November 2018

7. "Acute Cervical Spine Trauma: Preliminary Observations and Experience with Novel 3D Cinematic Rendering." - Oral

Sadia R Qamar, Parisa Khoshpouri, Vahid Mehmoush, Gordon Andrews, Heiko Schmiedeskamp, Savvas Nicolaou.

RSNA (Radiological Society of North America), 104th Scientific Assembly and Annual Meeting, McCormick Place, Chicago, United States of America, 25-30 November 2018

8. "Utility of 3D post-processing Cinematic Rendering in Acute Trauma Setting: Initial Observations" - Oral
Sadia R Qamar, Parisa Khoshpouri, Vahid Mehrnouch, Gordon Andrews, Heiko Schmiedeskamp, Savvas Nicolaou.
RSNA (Radiological Society of North America), 104th Scientific Assembly and Annual Meeting, McCormick Place, Chicago
United States of America, 25-30 November 2018
9. "Cultural Competent Care educational tool in EDs in Canada"- Poster,
Vahid Mehrnouch, Parisa Khoshpouri, Sarah Yasami, Guya Sheikhi.
International CHSPR conference, Vancouver, BC, Canada, Mar2018
10. "Social Determinants of Health in Adults with Mental Health Complaints"- Poster,
Qadeem Salehmohamed, Vahid Mehrnouch, Parisa Khoshpouri,
The 9th Emergency Research Day, Vancouver, BC, Canada, 23 Jun 2017
11. "What are the short-term goals of patients presenting the Emergency Department with an acute mental health complaint?"- Poster
Vahid Mehrnouch, Parisa Khoshpouri, David Barbic, Sky Barbic
Canadian Association of Emergency Physicians (CAEP) conference, Whistler, BC, Canada, 3-7 June 2017
12. "The first self-management package for Farsi-speaking COPD patients" - **Best Poster award**,
Vahid Mehrnouch, Avisa Rouholamin, Iraj Poureslami
Heart and Lung Fest, Vancouver, BC, Canada, Mar 2017
13. "Women's sexual satisfaction and pertinent factors (systemic review)"- Poster,
Vahid Mehrnouch, **Parastoo Yarmohammadi**
1st Iranian International Conference on Women's Health, Shiraz, Iran, 2012
14. "Investigation of Adolescent beliefs regarding obesity and overweight based on Health Belief Model, 2010" – Poster
Vahid Mehrnouch, **Parastoo Yarmohammadi**;
1st International and 4th national congress on Health education and promotion, Tabriz, Iran, 2011
15. "Prevalence of thyroid malignancies in patient who had Thyroidectomy for any reason but thyroid malignancy in the last 10 years"- Poster
Vahid Mehrnouch, Armaghan Eshraghian
1st Students Research Committee Congress of South Net, BandarAbbas, Iran, 2008
16. "Prevalence of Hep. C in chronic hemodialysis patients in Hormozgan province in 2002" - Oral
Vahid Mehrnouch, Kamran Ittehad
1st Internal Medicine Congress of Medical Students, BandarAbbas, Iran, 2005 - Poster
16th International Geographical-Medical Congress, Shiraz, Iran 2003
17. "Risk factors of Acute Leukemia in less than 15 years children in Shiraz in 2001-2002" - Poster,
Vahid Mehrnouch, Kamran Ittehad
16th International Geographical-Medical Congress, Shiraz, Iran. 2003

SYMPOISUM COORDINATOR

- FIRST GENERAL SURGERY RESEARCH UNIT SYMPOSIUM Aug 29, 2019
Organizing and coordinating, 20 projects were presented by students

AWARDS

- Best Poster Presentation, Lung and Heart Fest., Mar 2017, Vancouver, Canada
- Best Emergency Room Doctor, Shahid Mohammadi Hospital, Bandarabbas, Iran
- Best ED Award in the Internship for "Good Practice and Ethics", Shahid Mohammadi Hospital, Bandarabbas, Iran
- "Sun Run" 10k, Vancouver, 54 and 51 minutes, 2018 and 2019 – self-awarded! 😊

ANTI-BURNOUT STRATEGIES

- Generating ideas and creativity align with the goals and values of my workplace
- Sport: Tennis, Running, Soccer, Cycling, Basketball, Volleyball, Ping Pong, Swimming
- Music: Singing (Choir- Tenor), Guitar (Basic), Poetry

REFERENCES

Dr. Morad Hameed/ Morad.Hameed@vch.ca

Dr. Karim Qayumi/ karim.qayumi@ubc.ca