

C.V. of Hadi Mohsenibod, MD, MRCPCH (UK), DTM&H

Name Hadi Mohsenibod

Languages Fluent in English and Farsi, intermediate Arabic and French

DOB 17/02/1965

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EDUCATION

MD, University of Tehran, Iran 1982-89

Pediatric Residency, Mayo Graduate School Rochester, MN, USA 1994-1997

Ped Cardiology, Boston Children's Hosp, Harvard University, Boston, MA, USA 1997-1999

Ped Critical Care, Guy's Hospital, London, UK 2002-2005

Ped Critical Care, Hospital for Sick Children and the University of Toronto, Toronto, ON, Canada 2005-2008

MSc, Human Factors in System Safety, Department of Engineering, Lund University, Sweden 2012 to date

Paediatric HIV/AIDS: Tr@inforPedHIV 2013, University of Oxford PENTA, ESPID, May-Oct 2013

Diploma in Tropical Medicine, DTM & H (LSTM), Liverpool, UK Aug-Nov 2015

Paediatric HIV/AIDS: Tr@inforPedHIV 2018, University of Oxford PENTA, ESPID, May-Oct 2018

Diplomas, Award, Honours

FMGEMS (USA) 1993

USMLE (USA) 1994

American Board of Pediatrics (USA) 1997

Resident Emeritus Award, Mayo Clinic (USA) 1997

Royal College of Paediatrics and Child Health (UK) 2000

Sub-board of Pediatric Critical Care (USA) 2008

Tropical Medicine and Hygiene (DTM&H), Liverpool, UK 2015 (with distinction)

Licensures, Certification

Iranian Medical Council since 1990 (inactive)

ECFMG (US) since 1994 (active)

Minnesota (US) since 1996 (active)

Health Professions Council of South Africa 2001-2002

GMC (UK) full registration since 2002 (inactive)

Educational license, ON, Canada 2005-2009

License as assistant professor at the U of Toronto, ON, Canada 2009-2016

Medical Council of Malawi 2016, 2017, 2019

Medical Council of Liberia 2018-2019

EMPLOYMENT / University Appointments

1) Assistant Professor (Jun 2009-Jan 2016) Dept of Paediatrics, Faculty of Medicine, University of Toronto

2) Assistant Professor (Sep 1999- Feb 2002) Dept of Pediatrics, Pediatric Critical Care, Faculty of Medicine, University of Kuwait

Hospital/Clinical Appointments

- Paediatric Intensivist, Mercy James Centre for Paediatric Intensive Care and Surgery, Queen Elizabeth Central Hospital, Blantyre, Malawi, May 2019 to date

- Honorary staff Physician (since Jan 2016) Dept. of Paediatric Critical Care, Hosp. for Sick Children, Toronto
- Staff paediatrician and paediatric intensivist, (Sep 2018-Apr 2019), MSF, BJH Children's Hospital, Monrovia, Liberia
- Novick Cardiac Alliance, Tripoli, Libya, postoperative cardiac critical care (Aug-Sep 2018)
- International Children's Heart Foundation, postoperative cardiac critical care (13-28 Jul 2018), Georgetown, Guyana
- Staff pediatric intensivist, (May 2017-Sep 2018), MN Children's Hospitals and Clinics, MN, USA
- GlZ and Malawi College of Medicine sponsored paediatrician, Lilongwe, Malawi, Oct-Sep 2017, Lilongwe, Malawi
- Consultant, Paediatric Dept., Emergency. Ong (Jul and Aug 2017), Anabeh Hosp., Panjshir Valley, Afghanistan
- Consultant, Pediatric Mentorship Program (since Apr 2016) Baylor-Malawi Pediatric Program, Lilongwe and Zomba, Malawi
- Staff Physician (Jun 2009 to Jan 2016) Dept. of Paediatric Critical Care, Hospital for Sick Children, Toronto, Canada
- Clinical Associate (Jul 2008-Jun 2009) Dept. of Paediatric Critical Care, Hospital for Sick Children, Toronto, Canada
- Clinical Fellow (Jul 2005-Jun 2008), Dept. of Paediatric Critical Care, Hospital for Sick Children, Toronto, Canada
- Clinical Fellow (Oct 2002-Jun 2005) Paediatric Critical Care Unit, Guy's Hospital, London, UK
- Clinical Fellow (Mar 2002-Nov 2002) Paediatric Critical Care Unit, Royal Brompton Hospital, London, UK
- Clinical Fellow (Feb-May 2001), Paediatric Critical Care Unit, Red Cross Children's Hospital, Cape Town, SA
- Consultant (Sep 1999-Feb 2002) Paediatric Critical Care, Mubarak Al-Kabeer Hospital, Kuwait
- Clinical Fellow (Jul 1997-Jun 1999) Department of Cardiology, Boston Children's Hospital, Boston, MA, USA
- Resident (Jun 1994-Jun 1997) Department of Paediatrics, Mayo Clinic, Rochester, MN, USA
- General Practitioner (1990-1994), Darregaz District Regional Hospital, Khorasan, Iran Lumar Rural Health Centre, Ilam, Iran

Teaching Experience

1. May 2019 to date, Paediatric intensivist at MJC, QEH, Blantyre, Malawi
2. Sep 2018-Apr 2019, Paediatrician and paediatric intensivist at the BJH referral Children's Hosp in Monrovia, Liberia.
3. July and August 2017, Paediatric and Neonatal wards at the Anabeh Hospital in Panjshir Valley, Afghanistan.
4. Apr 2016 to March 2017- Baylor-Malawi Paediatric Mentorship Program
5. Jun 2008- Jan 2016, University of Toronto: During these 8 years in Toronto, I worked as staff physician in the paediatric intensive care unit (PICU), lead physician in Critical Care Response Team (CCRT), and assistant professor of paediatrics at the University of Toronto.
6. July 2012-July 2015, George brown College and the Hospital for Sick Children, Toronto: advanced cardiac intensive care and cardiology for ICU nurses at the "Interprofessional Acute Care Paediatric Cardiology" course
7. Sept 1999- March 2002, Kuwait University: assistant professor of paediatrics, and consultant in paediatric critical care at the Faculty of Medicine.

Administrative Roles

- Lead physician, Paediatric Critical Care Rapid Response Team at the HSC 2007-2016
- Chair of the Code Blue Review Committee, HSC 2006-2016
- Lead PICU physician for Continuous Renal Replacement and apheresis therapies, HSC 2007-2016
- PICU representative in the Solid Organ Transplantation Committee, HSC, 2007-2016

Research Interests

- Improvement in inpatient and acute patient care in resource-limited settings
- Bedside ultrasound in resource-limited settings
- Patient Safety, Just Culture, Accountability

- Rapid Response Teams in patient safety and prevention of deterioration of patients on hospital wards; factors that are significant in re-admission to PICU, how to prevent cardio respiratory arrests on the wards?
- Early Warning Scores in paediatric inpatient care; do they work? Intervention through teaching and education to increase patient safety on the wards
- Use of thromboelastogram (TEG) in monitoring haemostasis as a "point-of-care" monitoring in patients on ECMO, and post-op patients with excessive bleeding.
- Continuous central venous oximetry in neonates and young infants after complex cardiac surgery, and goal-oriented post-operative care; use of new technologies for continuous mixed venous saturation monitoring in children
- Continuous non-invasive monitoring of regional oxygenation (NIRS) in neonates and young infants after complex cardiac surgery
- Use of echocardiographic methods in non-invasive haemodynamic assessment

Publications, Journal articles

1. M, Pereira, G. deVeber, H. Mohseni-Bod, et al; "Thrombectomy for Acute Stroke in Childhood: A Case Report, Literature Review, and Recommendations" Pediatric Neurology, Published early online, Sep 2016
2. A. Kotsakis, D. Stevens, H. Mohseni-Bod, et al; "Description of PICU unplanned Readmission", Pediatric Critical Care Medicine, June 2016, 17 (6) 558-562
3. N. Singhal, A. Kotsakis, H. Mohseni-Bod; "Do Rapid Response Systems Reduce Readmission to the Intensive Care?" Review of the literature, Journal of Hospital Medicine, under review
4. A. Gunz, H. Mohseni-Bod; Tetanus in Paediatric Critical Care in Ontario; a report of two cases and review of the literature, Paediatrics & Child Health, under review
5. V. Kukreti, J. Drake, H. Mohseni-Bod; Management of raised intracranial pressure in traumatic brain injury in children, Journal of Pediatric Neurosciences, Dec 2014; 9 (3) 207-215
6. A. Kotsakis, K. Mercer, H. Mohseni-Bod, R. Agbeko; The development and implementation of an inter-professional simulation based pediatric acute care curriculum for ward health care providers, J Interprofessional Care, Nov 2014 25:1-3
7. V. Kukreti, R. Gaiteiro, H. Mohseni-Bod; Implementation of a Pediatric Rapid Response Team, Experience of the Hospital for Sick Children in Toronto, Indian Pediatrics, Jan 2014; 51(1) 11-15
8. A. Tosoni, A. Dipchand, H. Mohseni-Bod; The use of levosimendan in pediatric oncology patients with multi organ failure including severe acute cardiac dysfunction; a case series and review of the literature; Cardiology in the Young, (2014), 24, 524-527
9. G. Williamson, R. Neal, H. Mohseni-Bod, C. Parshuram, A. Kotsakis ; Factors Associated with Readmission Within 48 Hours to a Cardiac Critical Care Unit, Circulation 2012; 126: A321
10. A. Kotsakis, A-T. Lobos, C. Parshuram, J. Gilleland, R. Gaiteiro, H. Mohseni-Bod, R. Singh and D. Bohn, "Multi-Center Implementation of a Rapid Response System in Four Pediatric Academic Hospitals Demonstrating Effectiveness", Pediatrics, June 2011; 128; 72-78

11. R. Neal, A. Mohamed Ali, R. Gaiteiro; S. Hussain, C. Parshuram, A. Kotsakis, N. Chin, H. Mohseni-Bod; Does a designated paediatric critical care response team reduce readmission rates to paediatric critical care? *Pediatric Critical Care Medicine*, 12(3). May 2011, 18, page 18
12. C George-Hyslop, H Mohseni-Bod, K Dryden-Palmer, E Harvey; Continuous Renal Replacement Therapy (CRRT): Overcoming Challenges in Children. *Pediatric Critical Care Medicine*, 12(3) May 2011, 18, page 77
13. H. Mohseni-Bod, D. Bohn et al, "Evaluation of a new Central Venous Oximetry Catheter in Children, *Pediatric Critical Care Medicine*, 12(4):437-441, July 2011
14. J. Costello, H. Mohseni-Bod, A. Kotsakis, "A Report by the Ontario Pediatric Critical Care Response Team Working Group on Initial Experiences of Implementing a PCCRT", *Annals of Emergency Medicine* 51(4), 502, April 2008
15. H. Mohseni-Bod, D. Bohn, Management of Pulmonary Hypertension in Congenital Diaphragmatic Hernia, *Seminars in Pediatric Surgery*, 16(2)126-133, May 2007
16. H. Mohseni-Bod, Z. Slavik, D. Macrae, Use of Octreotide in post-operative Chylothorax; "is it safe"? *Pediatric Critical Care Medicine*, 5(4):356-357, July 2004

Books/Book Chapters

- Dorofaeff, Mohseni-Bod, Cox, "Infections in Pediatric Intensive Care Unit", in "Textbook of Clinical Pediatrics", edited by Elzouki, A.Y., Stapleton F.B., Springer 2011
- Mohseni-Bod, Adata, "Postoperative care of neonate with congenital heart disease", in "Neonatal Intensive Care", edited by Perlman, Kirpalani, and Moore, B C Decker Publications, 2007
- Mohseni-Bod, "Congenital Heart Disease" in "Paediatric Critical Care Response Provider" course; Canadian Resuscitation Institute (CRI), 2007
- Mohseni-Bod; "Atypical presentations and EEG patterns in SSPE based on a retrospective analysis of 300 cases; M.D. thesis. Tehran University Medical School, December 1989

Book Editor

- Hospital for Sick Children Residents Emergency Manual 2010
- Hospital for Sick Children Residents Emergency Manual 2012
- Hospital for Sick Children Residents Emergency Manual 2014

Presentations & Posters

- Diagnostic Approach to Metabolic Acidosis in Children, Paediatric Department Weekly Conference, Mayo Clinic, Rochester, MN, USA, Sep 1994
- Mayo Clinic Experience with Radiofrequency Ablation of tachyarrhythmia in children, Paediatric Department Weekly Conference, Mayo Clinic, Rochester, MN, USA, Aug 1995
- Grand Rounds: "Pediatric Tropical Diseases" in Rochester, MN; cases of parasitic diseases in children in Southern MN, Paediatric Department, Mayo Clinic, Rochester, MN, USA, Mar 1996
- Diagnosis and management of SVT in Children; Kuwait University, Kuwait, May 1999
- Techniques and monitoring for sedation in non-ICU environments in Children; Kuwait University, Kuwait, Jun 1999

- Sedation for Procedures, and Diagnostic Imaging in Children, a Non-Pharmacological Approach; National University of Singapore, Singapore, May 2000
- Grand Rounds: Postoperative Care of Neonates after Repair/Palliation of Congenital Heart Defects; Departments of Paediatrics and Cardiac Surgery Meeting, Tehran University, Iran, May 2001
- Postoperative Arrhythmias in Children, Diagnosis and management; Department of Cardiology, Mashad University, Iran, May 2001
- Avoid preventable mortality in diabetic ketoacidosis; fluid management and brain oedema; Mashad University, Dept of Paediatrics, Iran, Jun 2002
- Severe Asthma in Emergency Department and Intensive Care; Mashad University, Iran, Sep 2004
- Arrhythmia management in new AHA resuscitation guidelines, Department of Critical Care, Hospital for Sick Children, Toronto, Canada, 2006-10-16
- "What is new in post-operative care of infants after Stage 1 and 2 palliations for Hypoplastic Left Heart?" British Columbia Children's Hospital, Department of Critical Care, Vancouver, BC, Canada, Sep 2006
- Monitoring Regional Oxygenation: indices of global & regional oxygenation, Cardiac ICU Education Day for nurses, Hospital for Sick Children, Toronto, Canada, Oct 2006
- Right Heart Failure in paediatric CCU; Diagnosis and management, Cardiac CCU Nurses Education Day, Dept of Critical Care, Hospital for Sick Toronto, Canada, Nov 2006
- Post-operative Care after Norwood Operation for Hypoplastic Left Heart, Cardiac CCU Nurses Education Day, Dept of Critical Care, Hospital for Sick Children, Toronto, Canada, Nov 2006
- Course author and Instructor at "Paediatric Critical Care Response (PCCRT) Course", for Canadian Resuscitation Institute; Jan 11-12, and Jan 17-18, 2007; McMaster Children's Hospital, Hamilton, ON, Canada
- Management and complications of Diabetic Ketoacidosis for CCRT nurses, Feb 2007, Hospital for Sick Children, Toronto, Canada
- Respiratory Complications after Haematopoietic Stem Cell Transplant for Bone Marrow Transplant and CCRT nurses, March 2007, Hospital for Sick Children, Toronto, Canada
- Respiratory assessment and acute management of respiratory failure in children for CCRT nurses, April 2007, Hospital for Sick Children, Toronto, Canada
- Poster: A report by the Ontario Paediatric Critical Care Response Team (PCCRT) working Group on Initial Experiences of PCCRT Implementation, 2nd International MET conference, Pittsburgh, PA, USA, May 2007
- Poster: Application of Social Marketing Principles to the Development & Implementation of a Paediatric Critical Care Response Team, 2nd Int MET conf, Pittsburgh, PA, USA, May 2007
- Poster: A Providence-Wide Training Course for Paediatric Critical Care Response Team Providers, 2nd International MET conference, Pittsburgh, PA, USA, May 2007
- Bedside assessment and approach to a child in respiratory distress, nurses' education day, Hospital for Sick Children, 29/05/2007
- Poster: Application of Social Marketing Principles to the Development and Implementation of a Paediatric Critical Care Response Team (PCCRT), the Interdepartmental Critical Care Medicine Annual Research Day, University of Toronto, Canada, Jun 2007
- Poster: Evaluation of Edwards Paediatric Venous Oximetry Catheter, Jun 2007, Geneva, 5th World Congress of Paediatric Critical Care
- Poster: Initiating a Paediatric Critical Care Response Team: A Two-Pronged Approach, 5th World Congress of Paediatric Critical Care
- Grand Rounds: "Implementation of a Paediatric Critical Care Response Team; evidence and our experience at SickKids, Hospital for Sick Children, Toronto, 15/Aug/2007

- Arrhythmia and other cardiovascular complications of Eating Disorders, nurse's education day, Inpatient Psychiatry Ward, Hospital for Sick Children, Toronto, 16/09/2007
- What is new in management of paediatric severe sepsis and septic shock, Bone Marrow Transplant Unit, Hospital for Sick Children, Toronto, 26/09/2007
- Poster: Application of Social Marketing Principles to the Development & Implementation of a Paediatric Critical Care Response Team, Critical Care Canada Forum, October 2007, Toronto, Canada
- Poster: A report by the Ontario Paediatric Critical Care Response Team (PCCRT) working Group on Initial Experiences of PCCRT Implementation, Critical Care Canada Forum, October 2007, Toronto, Canada
- Management of haemodynamic instability in paediatric post solid organ transplant patients on the medical ward; Paediatric Liver and Renal Transplant staff, Nov 14th, Hospital for Sick Children, Toronto
- Paediatric Rapid Response Team Education Day, 21, Nov 2007; delivered two talks on Sepsis and Circulatory Failure, and assessment and initial management of airway issues and respiratory distress in infants; ran scenarios and simulation cases.
- 2nd Paediatric Critical Care Provider Course, 9th to 10th of Jan 2008, McMaster Children's Hospital, Hamilton, Canada.
- Speaker in Paediatric Rapid Response Team Education Day, Hospital for Sick Children, Toronto, 26, May 2009
- Poster: Implementation of an Interdisciplinary Critical Care Response Education Program at the Hospital for Sick Children in Toronto, Critical Care Canada Forum, October 2010, Toronto, Canada
- Poster: Readmission to the Paediatric Intensive Care Unit after Implementation of a Rapid Response Team at the Hospital for Sick Children in Toronto, World Congress of Pediatric Critical Care, Sydney 2011
- Poster: Implementation of an Interdisciplinary Education Program for CRRT in the Critical Care Unit at the Hospital for Sick Children, Toronto, World Congress of Pediatric Critical Care, Sydney 2011
- Poster and presentation: "Does a designated paediatric rapid response team reduce readmission rates to paediatric critical care?" University of Toronto, Residents' Research Day, Jun 2011
- Poster and presentation: Development of an interprofessional PCCRT simulation- based education day. September 2011, CCRT Innovation Forum 2011, Toronto, ON
- Poster and Presentation: Development of an extramural component for the PCCRT model. September 2011, CCRT Innovation Forum 2011, Toronto, ON
- Invited speaker: Paediatric Critical Care for Developing Countries, Wrong Remedy? October 2011, 23rd International Paediatric Congress, Tehran, Iran
- Workshop on Mechanical Ventilation in Children, October 2011, 23rd International Paediatric Congress, Tehran, Iran
- Workshop on CRRT on ECMO, Jan 2012, Hospital for Sick Children ECMO course, Toronto, ON
- Workshop on Respiratory Mechanics at the bedside, Feb 2012, Hospital for Sick Children, Toronto, ON
- Invited speaker: Implementation of a Paediatric Rapid Response System at a Children's Hospital, May 2012, Qatar
- Workshop on CRRT, Hospital for Sick Children, Toronto, Nov 2013
- Workshop on CRRT, Hospital for Sick Children, Toronto, Mar 2014
- Invited Speaker: Cerebral Oedema in Paediatric DKA; Children ARE different.
- October 2014, 26th International Paediatric Congress, Tehran, Iran
- Invited Speaker: Haemodynamic Monitoring, October 2014, 26th Int Paed Congress, Tehran, Iran
- Critical Thinking in Teamwork and Patient Safety. Rapid Response Team Education Day. Hospital for Sick Children, Toronto, 2014-11-26
- Invited speaker: Non-invasive Ventilatory Support in Children in Resource Limited Countries, Oct 2016, 28th International Paediatric Congress, Tehran, Iran
- Invited speaker: Pulmonary Infections in HIV-infected Children in Resource Limited Countries, Oct 2016, 28th International Paediatric Congress, Tehran, Iran

- Invited speaker: Perioperative management of congenital diaphragmatic hernia (CDH), Bern, Switzerland
- Invited speaker: Paediatric critical care in resource-limited settings, Bern, Switzerland
- Grand Rounds: Paediatric critical care in resource-poor and resource-rich countries, Critical Care Discovery Rounds, 20/03/2019, paediatric critical care programme, Hospital for Sick Children, Toronto
- Teaching seminar: medical condition in children undergoing general anaesthesia in resource-limited settings, 22/03/2019, Dept. of Anaesthesia, Hospital for Sick Children, Toronto, Canada
- Teaching seminar: how to prepare yourself to work as a paediatric intensivist in resource-limited countries and areas of conflict, 03/04/2019, Dept of critical care, Hospital for Sick Children, Toronto, Canada

References:

- 1) Professor Peter Cox, Professor of Anaesthesia, Critical Care Medicine, and Paediatrics. University of Toronto and the Hospital for Sick Children. Formerly division chief (PICU), Hospital for Sick Children, Toronto
Email: peter.cox@sickkids.ca
Alternate Contact: Nella Perri
Alternate Email: Nella.Perri@sickkids.ca
- 2) Professor Desmond Bohn, Provincial Medical Director, CritiCall Ontario. Formerly chairman of paediatric critical care, Hospital for Sick Children, and Emeritus professor of anaesthesia, University of Toronto.
Email: Desmond.Bohn@criticall.org
- 3) Professor Peter Laussen, Professor of Anaesthesia and Chief of Paediatric Critical Care Programme, University of Toronto and the Hospital for Sick Children, Toronto

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