



Date Submitted: 2017-04-11 13:45:49

Confirmation Number: 665168

Template: NSHRF CV

Dr. Matthias Helge Schmidt

Correspondence language: English

Date of Birth: 5/25

Contact Information

The primary information is denoted by (*)

Address

Primary Affiliation (*)

Diagnostic Imaging

Halifax Infirmary

Room 3388

1796 Summer Street

Halifax Nova Scotia B3H 3A7

Canada



Protected when completed

Dr. Matthias Schmidt

Degrees

1990/9 - 1994/6	Doctorate, Doctor of Medicine - M.D., Medicine, University of Toronto Degree Status: Completed
1989/7 - 1990/11	Master's Thesis, Master of Science, Pharmacology, University of Toronto Degree Status: Completed Supervisors: Dr. Tyrone Lee, Thesis Supervisor
1984/9 - 1989/6	Bachelor's, Bachelor of Science, Pharmacology, University of Toronto Degree Status: Completed

Credentials

2009/7	AWC (Neuroradiology Subspecialty), Royal College of Physicians and Surgeons of Canada
1999/8	FRCPC (Diagnostic Radiology Certification), Royal College of Physicians and Surgeons of Canada

Recognitions

2014/6	Department Head's Outstanding Faculty List Department of Radiology, Dalhousie University Distinction
2011/6	Excellence in Teaching Award PAIRI-MP Distinction
2004/6	Residents' Teaching Award Department of Radiology, Dalhousie University Distinction
2002/9	IWK Auxiliary Award IWK Health Centre Distinction
1998/5	Patrons' Prize Canadian Association of Radiologists Distinction

Employment

2016/12	Program Director (Neuroradiology) Dalhousie University
2014/7	Professor Dalhousie University
2012/7	Research Director (Department of Radiology) Dalhousie University
2009/7	Radiologist Queen Elizabeth II Health Sciences Centre
2008/7 - 2014/6	Associate Professor Dalhousie University
2007/7 - 2009/6	Resident (Neuroradiology) Dalhousie University
2003/7 - 2008/6	Assistant Professor Dalhousie University
2004/1 - 2007/6	Chief of Diagnostic Imaging IWK Health Centre
2000/7 - 2007/6	Radiologist IWK Health Centre
2000/7 - 2003/6	Lecturer Dalhousie University
1999/7 - 2000/6	Clinical Fellow (General Pediatric Radiology) The Hospital for Sick Children
1998/7 - 1999/6	Chief Resident (Diagnostic Radiology) University of Western Ontario
1994/7 - 1999/6	Resident (Diagnostic Radiology) University of Western Ontario

Affiliations

The primary affiliation is denoted by (*)

2014/7	Cross Appointment, Surgery (Neurosurgery), Dalhousie University
2005/7	Cross Appointment, Medical Neuroscience, Dalhousie University
2003/7	Cross Appointment, Psychiatry, Dalhousie University
(*) 2000/7	Professor, Diagnostic Radiology, Dalhousie University

Research Funding History

Awarded [n=3]

Co-investigator	Microvascular injury and blood-brain barrier dysfunction as novel biomarkers and targets for treatment in traumatic brain injury
	Co-investigator : Christopher Bowen; David Clarke; Robert Green;
	Principal Investigator : Alon Friedman

Funding Sources:

2016/7 - 2021/6 Canadian Institutes of Health Research (CIHR)
 Total Funding - 950,000 (Canadian dollar)
 Funding Competitive?: Yes

Principal Investigator Exploring potential neuroimaging biomarkers of epileptogenesis in a prospective cohort of patients with first seizure and new-onset epilepsy

Co-investigator : Pohlmann-Eden B

Funding Sources:

2015/6 - 2016/6 Capital District Health Authority (The) (CDHA) (Nova Scotia)
 Capital Health Research Fund
 Total Funding - 3,750 (Canadian dollar)
 Funding Competitive?: Yes

Co-investigator Neuroimaging predictors of treatment failure in adult new-onset epilepsy

Co-investigator : Abdoell M; Bernier D;

Principal Investigator : Pohlmann-Eden B

Funding Sources:

2011/5 - 2014/4 Nova Scotia Health Research Foundation (NSHRF)
 HRP
 Total Funding - 145,129 (Canadian dollar)
 Funding Competitive?: Yes

Student/Postdoctoral Supervision**Bachelor's Honours [n=1]**

Principal Supervisor Jeanette Evans (Completed) , Dalhousie University (Undergraduate Honours Thesis)
 Student Degree Start Date: 2001/9
 Student Degree Received Date: 2005/5

Doctorate [n=1]

Co-Supervisor Tyna Hope, (Completed) , Dalhousie University (PhD Program)
 Student Degree Start Date: 2001/1
 Student Degree Received Date: 2006/6

Mentoring Activities

2014/9 RIM Student Mentor, Dalhousie University
 Number of Mentorees: 1

2011/6 Medical Student Summer Research Supervisor, Dalhousie University
 Number of Mentorees: 4

2004/9 Medical Student Elective Supervisor, Dalhousie University
 Number of Mentorees: 15

2002/9 Radiology Resident Research Project Mentor, Dalhousie University
 Number of Mentorees: 3

2002/5	Graduate Thesis Committee Member, Dalhousie University Number of Mentorees: 7
1999/2	Graduate Comprehensive Project Supervisor, Dalhousie University Number of Mentorees: 4

Presentations

1. (2015). New Imaging Modalities in Concussion. Atlantic Clinical Neurosciences Society Meeting, Halifax, Canada
Main Audience: Knowledge User
2. (2015). Resident Review Session - Neuroradiology. Joint Congress on Medical Imaging and Radiation Sciences, Montreal, Canada
Main Audience: Knowledge User
3. Dr. Sean Christie. (2014). Vertebroplasty, Kyphoplasty, Vertebral Augmentation: What, When and Why?. Atlantic Radiology Conference, Halifax, Canada
Main Audience: Knowledge User
4. (2014). Safety First: Ensuring the Safety of Newborn Participants in Neuroimaging Research. 1st Canadian National Perinatal Research Meeting, Banff, Canada
Main Audience: Researcher
5. (2014). Mistakes We All Make: Neuroradiology. CAR, 77th Annual Scientific Meeting, Montreal, Canada
Main Audience: Knowledge User
6. (2014). The Ethics of Neuroimaging. Atlantic Canadian Medical Student Conference, Halifax, NS, Canada
Main Audience: Knowledge User
7. (2014). Spine Imaging Pearls and Pitfalls. Atlantic Radiology Conference, Halifax, Canada
Main Audience: Knowledge User
8. (2014). When is MRI the Right Test and What Kind of MRI Does My Patient Need?. 40th Annual February Refresher Course: Therapeutics, Halifax, NS, Canada
Main Audience: Knowledge User
9. (2013). Neuroimaging in Epilepsy: Challenging the Concept of MRI-negative Epilepsy. Visiting Professorship, London, Ontario, Canada
Main Audience: Knowledge User
10. (2013). Appropriate Use of MRI: What MRI Can and Cannot Accomplish for Patients. 87th Annual Dalhousie Refresher Course, Halifax, NS, Canada
Main Audience: Knowledge User

Text Interviews

2015/11/19	Dalhousie's ancient patient, Dal News
2012/09/04	Treating patients without operations or prescriptions thrills medical student, DoctorsNS

Publications

Journal Articles

1. MacDonald IR, Schmidt MH, Phillips SJ. (2016). Middle cerebral artery territory infarct secondary to carotid artery dissection: A case report and brief review. *University of Toronto Medical Journal*. 93(2): 14-18.
Co-Author
Published
2. Crocker CE, Pohlmann-Eden B, Schmidt MH. (2016). Role of neuroimaging in first seizure diagnosis. *Seizure*. June 1: Epub ahead of print.
Last Author
Published
3. Schmidt MH, Hadschis MR, Downie J, Marshall J. (2015). Incidental findings and the minimal risk standard in pediatric neuroimaging research. *IRB: Ethics & Human Research*. 37(5): 11-19.
First Listed Author
Published
Number of Contributors: 4
4. Inman M, Otley A, Dummer T, Cui Y, Schmidt MH, Parker L. (2015). Childhood exposure to ionizing radiation from computed tomography imaging in Nova Scotia. *Paediatrics and Child Health*. 20(7): 381-385.
Co-Author
Published
5. Guo H , Song X , Vandorpe R , Zhang Y , Chen W , Zhang N , Schmidt MH , Rockwood K. (2014). Evaluation of common structural brain changes in aging and Alzheimer disease with the use of an MRI-based brain atrophy and lesion index: a comparison between T1WI and T2WI at 1.5T and 3T. *AJNR*. *American Journal of Neuroradiology*. 35(3): 504-512.
Co-Author
Published
6. Guo H, Song X, Schmidt MH, Vandorpe R, Yang Z, LeBlanc E, Zhang J, Beyea S, Zhang Y, Rockwood K. (2014). Evaluation of whole brain health in aging and Alzheimer's disease: a standard procedure for scoring an MRI-based brain atrophy and lesion index. *Journal of Alzheimer's Disease*. 42(2): 691-703.
Co-Author
Published
7. Pohlmann-Eden B , Crocker CE , Schmidt MH. (2013). A conceptual framework for the use of neuroimaging to study and predict pharmacoresistance in epilepsy. *Epilepsia*. 54(Suppl 2): 75-79.
Last Author
Published
8. Mazerolle EL, Gawryluk JR, Dillen KN, Patterson SA, Feindel KW, Beyea SD, Stevens MT, Newman AJ, Schmidt MH, D'Arcy RC. (2013). Sensitivity to white matter fMRI activation increases with field strength. *PloS One*. 8(3): e58130.
Co-Author
Published
9. Dmytriw A., Pickett GE, Schmidt MH. (2012). Diagnose this: A 72 year-old woman with sudden loss of consciousness. *Dalhousie Medical Journal*. 38(2): 19-20.
Last Author
Published
10. Farrell SA, Flowerdew G, Gilmour D, Turnbull GK, Schmidt MH, Baskett TF, Fanning CA. (2012). Overlapping compared with end-to-end repair of complete third-degree or fourth-degree obstetric tears: three-year follow-up of a randomized controlled trial. *Obstetrics and Gynecology*. 120(4): 803-808.
Co-Author
Published

11. Precious DS, Powell JE, Tuzuner AM, Schmidt M, Doucet JC, Vandorpe R. (2012). False aneurysms after sagittal split ramus osteotomies. *Journal of Oral and Maxillofacial Surgery*. 70(1): e58-65.
Co-Author
Published
12. Omisade A, Fisk JD, Klein R, Schmidt M, Darvesh S, Bhan V. (2012). Information processing and MRI indices of brain pathology in multiple sclerosis. *International Journal of MS Care*. 14(2): 84-91.
Co-Author
Published

Clinical Care Guidelines

1. Lead author. CAR Diagnostic Imaging Referral Guidelines. Section L – Pediatrics. (2012).
Description / Contribution Value: The CAR Diagnostic Imaging Referral Guidelines were put in place to help physicians make the most appropriate use of imaging studies in the diagnostic work-up of their patients.

Conference Publications

1. Hui A, Wong M, Schmidt MH.(2017). The predictive value of vessel morphology, aneurysmal dimensions, and procedural factors on assessing risk of intracranial aneurysm recurrence post-embolization requiring treatment: a retrospective exploratory case-control study. *Society of Interventional Radiology 2017*, Washington, D.C.
Poster
Last Author
Accepted
2. Ghuman M, Crocker CE, Legg K, Schmidt MH, Pohlmann-Eden B.(2017). Do subtle hippocampal structural changes on MRI serve as biomarkers for seizure recurrence in a prospective first seizure cohort?. 32nd International Epilepsy Congress, Barcelona, Spain
Poster
Co-Author
Submitted
3. Ghuman M, Crocker C, Pohlmann-Eden B, Schmidt M.(2017). Hippocampal morphology and seizure recurrence in a cohort of first seizure patients. *American Society of Neuroradiology 55th Annual Meeting*, Long Beach, CA
Poster
Last Author
Accepted
4. Ghuman M, Weeks A, Schmidt M.(2017). Venous phase 3D rotational angiography: a novel technique for transvenous embolization of an indirect carotid-cavernous fistula in an apparently inaccessible cavernous sinus. *American Society of Neuroradiology 55th Annual Meeting*, Long Beach, CA
Poster
Last Author
Accepted
5. Pohlmann-Eden B, Crocker C, Legg K, Schmidt M. (2014). Epilepsy syndrome, MRI pathologies and treatment response in patients with first seizure and new-onset epilepsy – a comparison of patients of middle age (50-60 years) versus elderly patients (> 60 years). *67th American Epilepsy Society Annual Meeting*
Abstract
Co-Author
Published

6. Dmytriw A, Schmidt M. (2013). PROPELLER-DWI in the staging of head and neck squamous cell carcinoma: a pilot study.47th Annual Meeting of the American Society for Head and Neck Radiology
Abstract
Co-Author
Published
7. Kavanaugh J, Schmidt MH. (2013). Differentiating intraventricular brain tumors in children and adults: a pictorial review and diagnostic algorithm.99th Scientific Assembly and Annual Meeting of the Radiological Society of North America
Abstract
Last Author
Published
8. Wong MJ, Schmidt M, Abdolell M. (2013). A multifactorial predictive model of coiled intracranial aneurysm recurrence.38th Annual Scientific Meeting of the Society of Interventional Radiology
Abstract
Co-Author
Published
9. Pohlmann-Eden B, Legg KT, Crocker CE, Blanchard M, Moeller JJ, Schmidt MH. (2012). First Seizure Clinic: a portal to re-assess terms and reconsider concepts.66th American Epilepsy Society Annual Meeting
Abstract
Co-Author
Published
10. Crocker CE, Schmidt MH, Legg KT, Blanchard M, Pohlmann-Eden B. (2012). The complementary role of MRI imaging and EEG in first seizure and new onset epilepsy.66th American Epilepsy Society Annual Meeting
Abstract
Co-Author
Published
11. Alrashidi SM, Schmidt, M and Pickett, G.(2012). Delayed posterior reversible encephalopathy syndrome.47th Annual Congress of the Canadian Neurological Sciences Federation
Abstract
Co-Author
Published

Intellectual Property

Registered Copyrights

1. Neuroradiology Labs
Registered
Year Issued: 2014
Filing Date: 2014/01/23