

Dr. Tanvir Turin Chowdhury

Present rank: Research Director and Assistant Professor
Department: Department of Family Medicine, Department of Community Health Sciences.
Faculty: Medicine, University of Calgary, Calgary, AB.

I. Work Experience / Positions Held

1. July 2014 – current Research Director and Assistant Professor, Department of Family Medicine, University of Calgary.
2. Sept 2012 – current Assistant Professor, Department of Community Health Sciences, University of Calgary.
3. April 2010 – Aug 2012 Post-Doctoral Research Fellow. Department of Medicine, Faculty of Medicine, University of Calgary.
4. April, 2008 – March, 2010 Post-Doctoral Research Fellow. Department of Health Science, Shiga University of Medical Science, Japan.
5. April, 2003 – March, 2008 Graduate Research Assistant / Teaching Assistant. Department of Health Science, Shiga University of Medical Science, Japan.
6. Jan, 2000 – March, 2003 Research Associate. Institute of Child and Mother Health, Dhaka, Bangladesh.
7. Jan, 2000 – March, 2003 General Practitioner (Private), Dhaka, Bangladesh.
8. Oct 2001 – Dec 2001 Consultant Researcher. Intervida, Dhaka, Bangladesh.
9. June, 2001 – Dec, 2001 Research Medical Officer. National Center for Control of Rheumatic Fever & Heart Diseases, Dhaka, Bangladesh.
10. July, 1999 – Jan, 2000 General Surgery Resident. Mymensingh Medical College Hospital, Bangladesh.
11. Jan 1999 – July 1999 Internal Medicine Resident. Mymensingh Medical College Hospital, Bangladesh.

II. Academic Record: Graduate and Post-graduate Education/Training Award

1. Canadian Institute of Health Research (CIHR) Post-doctoral fellowship. April 2011 – August 2012.
2. Canadian Diabetes Association (CDA) Post-doctoral fellowship. April 2011 – August 2012.
3. The Interdisciplinary Chronic Disease Collaboration (ICDC) Post-doctoral fellowship. April 2010 – August 2012.
4. Japan Society of Promotion of Science (JSPS) Post-doctoral fellowship. April, 2008 – March 2010.
5. Shiga University of Medical Science, Shiga, Japan: PhD studies in Epidemiology. March, 2008.
6. Karolinska Institute, Stockholm, Sweden: Degree of Masters, 2005; in Injury Prevention and Safety Promotion.

7. Dow Medical College, University of Karachi, Pakistan: Medical Graduate, 1998; Bachelors in Medicine and Bachelors in Surgery.

III. Awards and Distinctions

1. Title: Best Eight Abstract. 51st ERA-EDTA Congress 2014. May 31- June 3, 2014, Amsterdam, The Netherlands.
Organization: The European Renal Association – European Dialysis and Transplant Association (ERA-EDTA), 2014.
2. Title: Certificate of Excellence for outstanding Abstract. CIHR-ICRH Young Investigator Forum. May 25-27, 2014. Edmonton, AB, Canada.
Organization: CIHR Institute of Circulatory and Respiratory health (CIHR-ICRH), 2014.
3. Title: Certificate of Excellence for outstanding Poster presentation. CIHR-ICRH Young Investigator Forum. May 25-27, 2014. Edmonton, AB, Canada.
Organization: CIHR Institute of Circulatory and Respiratory health (CIHR-ICRH), 2014.
4. Title: Top Physician-in-Training Oral Abstract. Kidney Week 2011 Annual Meeting. November 10-13, 2011. Philadelphia, PA, USA.
Organization: American Society of Nephrology (ASN), 2011.
5. Title: Top Trainee Abstract Award. Canadian Society of Nephrology Annual Meeting, April 8th, 2011. Vancouver, British Columbia, Canada.
Organization: Canadian Society of Nephrology (CSN), 2011.
6. Title: Award of IEA Scholarship, 9th South East Asia Regional Scientific Meeting of the International Epidemiological Association (IEA), February 9-12, 2008, Dhaka, Bangladesh.
Organization: The International Epidemiological Association (IEA), 2008.
7. Title: Young Investigators Poster Award, XIV International Symposium on Atherosclerosis, June 18-22, 2006, Rome, Italy
Organization: The International Atherosclerosis Society (IAS), 2006.
8. Title: The President’s Award of Shiga University of Medical Science
Organization: Shiga University of Medical Science, 2006.
9. Title: Monbukagakusho (MEXT) Scholarship for postgrad study in Health Science.
Organization: Japan government; 2003 to 2008
10. Title: PTAP Scholarship for undergraduate studies in Medical School.
Organization: Pakistan government; 1993 to 1998

IV. Research Experience

i. Research Interest

1. “Immigrant Health” studies on issues about access to care.
2. “The Interdisciplinary Chronic Disease Collaboration (ICDC)” studies on adverse outcomes in chronic diseases.
3. “Takashima Cohort Study” to investigate the lifestyle and genetic profile issue regarding to the diseases like cardio-cerebrovascular diseases and cancers in Japan.

4. “Takashima Cardio-cerebrovascular Disease Registration System” (Stroke and AMI registry).
5. “Suita Study”, which is an urban Japanese cohort study for the cardio-cerebrovascular diseases.
6. “Shigaraki Study”, which is a cohort based study with an intention to record the incidence and mortality.
7. Study of “Risk factors of CVD in Bangladesh”.
8. Research Associate in research projects of “Community injuries”, “Crash costing study” and “Burden of injuries”.
9. Intervention study project “Violence against women”
10. Consultant Researcher in a study of “Nutritional survey for urban slum dwellers”.
11. Research Physician in a research project-“Study on accreditation of health care system in Bangladesh”.

iii. Research Support

1. Lifetime risk of cardiovascular diseases in Canada.
Principal Investigator: Tanvir Chowdhury Turin
Funding Source / Year: Heart and Stroke Foundation, Alberta/ 2014-2015
2. Glycemic control and risk of adverse outcomes among patients with diabetes mellitus.
Principal Investigator: Tanvir Chowdhury Turin
Funding Source / Year: Faculty of Medicine, University of Calgary/ 2014-2015
3. Reducing the risk of serious adverse events and improving quality of life for patients with kidney disease: the role of arteriovenous fistula creation in hemodialysis patients.
Principal Investigator: Robert R. Quinn
Co-Investigator: Tanvir Chowdhury Turin
Funding Source / Year: MSI Foundation/ 2012-2014

V. Teaching Experience / Educational Activities

1. Co-teaching the course “Fundamentals of Epidemiology” (MDCH 640) in the Department of Community Health Science, University of Calgary.
2. Co-teaching the course “Advanced Epidemiology” (MDCH 740) in the Department of Community Health Science, University of Calgary.
3. Guest lecture in the course “Health Research Methods” (MDCH 681) in the Department of Community Health Science, University of Calgary.
4. Guest lecture in the course “Statistics and Research Design in Health Sciences” (MDSC407) in the BHSc Honours program, University of Calgary.
5. Supervisor of PhD student
Mahdi Qasqas – Faculty of Social Work.
Zia Chowdhury – Department of Community Health Science, Faculty of Medicine
6. Co-supervisor of MSc student
James Wick -- Department of Community Health Sciences
7. Supervisory committee for two students.
a. Rukhsana Rashid -- Department of Community Health Sciences, Faculty of Medicine.
a. Jaime Bastos -- Department of Community Health Sciences, Faculty of Medicine.
b. Anila Virani -- Faculty of Nursing.
8. Guides MD, MSc and BSc level students of University of Calgary for their projects of medical research.

- Ann Zalucky, Sharanya Ramesh, Michelle Mann, David Nicholl, Arian Samimi, Jonathan Lee, Gurleen Gill.

9. Mentoring of researchers.

- Dr. Al Mamun, Public Health Physician, Tbaok Health Region, Saudi Arabia .
- Dr. Mohammed Chanchal Azad, Senior Lecturer, University Malaysia Sabah, Malaysia.
- Dr. Badrul Munir Sohel, UNICEF Lebanon.
- Dr. Shashank Garg, Major Clinical Academic, Department of Family Medicine, University of Calgary, AB.
- Dr. Syed Walid Ahmed, Alberta health Services, Calgary, AB.
- Dr. Sanjida Newaz, Calgary, AB.
- Dr. Mahzabin Ferdous, Calgary, AB.
- Dr. Kaniz Fatema, Calgary, AB.
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VI. Professional Activities

i. Journal Reviews:

Stroke, Atherosclerosis, Cerebrovascular Diseases, Journal of Epidemiology, Scandinavian Journal of Public Health, European Journal of Epidemiology, International Journal of Stroke, European Journal of Neurology, Acta Neurologica Scandinavica, Hypertension Research, Journal of the Neurological Sciences, Diabetes Research and Clinical Practice, American Journal of Epidemiology, American Journal of Kidney Disease, Nature Cardiovascular Review, International Journal of Biometeorology, Clinical Nephrology, Clinical Journal of American Society of Nephrology, BMJ Open, Circulation.

VII. Publications.

Total Publications: 142.

In press – 6 papers (*October 2015*), 2015 – 13 papers, 2014 – 19 papers, 2013 – 24 papers, 2012 – 22 papers, 2011 – 13 papers, 2010 – 18 papers, 2009 – 8 papers, 2008 – 7 papers, 2007 and prior – 13 papers.

Publications (selected):

(Underlined are the authors for whom I have provided training/mentoring)

1. Al Mamun M, Rumana N, Pervin K, Azad MC, Choudhury SR, Shahana N, Zaman MM, **Turin TC**. Emerging burden of cardiovascular diseases in Bangladesh. *J Atheroscler Thromb* (In press)
2. Thomas RE, Vaska M, Naugler C, **Turin TC**. Interventions at the laboratory level to reduce laboratory test ordering by family physicians: systematic review. *Clin Biochem* 2015 (In press)
3. Ahmed S, Shommu NS, Rumana N, Barron GR, Wicklum S, **Turin TC**. Barriers to access of primary health care by immigrant populations in Canada: A literature review. *J Immigr Minor Health* 2015 (In press)

4. Zaman MM, Choudhury SR, Ahmed J, Hossain SMA, Sobhan SMM, **Turin TC**. Prevalence of stroke in a rural population of Bangladesh. *Glob Heart* 2015 (In press)
5. **Turin TC**, Jun M, James MT, Tonelli M, Coresh J, Manns BJ, Hemmelgarn BR. Magnitude of rate of change in kidney function and future risk of cardiovascular events. *Int J Cardiol*. 2015;202:657-665.
6. Abedin T, Ahmed S, Al Mamun M, Walid S, Newaz S, Rumana N, **Turin TC**. YouTube as a source of useful information on diabetes foot care. *Diabetes Res Clin Pract* 2015; 110(1): e1-4
7. Al Mamun M, Ibrahim HM, **Turin TC**. Social media in health information and communication: an analysis of Facebook groups related to hypertension. *Prev Chronic Dis* 2015;12:E11.
8. Azad MC, Fraser K, Rumana N, Abdullah AF, Shahana N, Hanly PJ, **Turin TC**. Sleep Disturbances among Medical Students: A Global Perspective. *J Clin Sleep Med* 2015; 11(1):69-74.
9. **Turin TC**, Tonelli M, Manns BJ, James MT, Jun M, Ravani P, Grasvenpoort RT, Hemmelgarn BR. Kidney function, albuminuria and life expectancy. *Can J Kidney Health Dis*. 2014;1:33.
10. **Turin TC**, James MT, Jun M, Tonelli M, Coresh J, Manns BJ, Hemmelgarn BR. Short-term change in eGFR and risk of cardiovascular events. *J Am Heart Assoc* 2014;3:e000997.
11. Virani A, Green T, **Turin TC**. Understanding phantom limb pain: A nursing perspective. *Nurs Stand* 2014;29(1):44-50.
12. Coresh J*, **Turin TC** *, Matsushita K, Sang Y, Ballew SH, Appel LJ, Arima H, Chadban SJ, Cirillo M, Djurdjev O, Green JA, Heine GH, Inker LA, Irie F, Ishani A, Ix JH, Kovesdy CP, Marks A, Ohkubo T, Shalev V, Shankar A, Wen CP, de Jong PE, Iseki K, Stengel B, Gansevoort RT*, Levey AS* for the CKD Prognosis Consortium. Decline in estimated glomerular filtration rate and subsequent risk of end-stage renal disease and mortality: A consortium meta-analysis. *JAMA* 2014;311(24):2518-2531.
13. **Turin TC**, James MT, Ravani P, Tonelli M, Manns BJ, Quinn R, Jun M, Klarenbach S, Hemmelgarn BR. Proteinuria and rate of change in kidney function in a community based population. *J Am Soc Nephrol* 2013; 9(5): 455-459.
14. Al Mamun A, Rahman SM, **Turin TC**. Microbiological quality of selected street food items vended by school-based street food vendors in Dhaka, Bangladesh. *Int J Food Microbiol* 2013; 166(3): 413-418.
15. **Turin TC**, Shahana N, Wangchuk LZ, Specogna AV, Mamun MA, Khan MA, Choudhury SR, Zaman MM, Rumana N. The burden of cardio and cerebrovascular diseases and the conventional risk factors in the South-Asian populations. *Global Heart* 2013;8(2): 121-130.
16. **Turin TC**, Kita Y, Rumana N, Nakamura Y, Takashima N, Sugihara H, Morita Y, Ichihara M, Hirose K, Okayama A, Miura K, Ueshima H. Wake-up stroke: incidence, risk factors and acute outcome for stroke during sleep in a Japanese population. Takashima Stroke Registry 1988-2003. *Eur Neurol* 2013;69(6):354-359.
17. Al Mamun A, Rahman SM, **Turin TC**. Knowledge and awareness on children's food safety among school-based street food vendors in Dhaka, Bangladesh. *Foodborne Pathog Dis* 2013;10(4):323-330.
18. **Turin TC**, Coresh J, Tonelli M, Stevens PE, Farmer KT, Matsushita K, Hemmelgarn BR. Change in estimated glomerular filtration rate over time and risk of death. *Kidney Int* 2013;83(4): 684-691.
19. **Turin TC**, Tonelli M, Manns BJ, Ahmed SB, Ravani P, James M, Hemmelgarn BR. Proteinuria and life expectancy. *Am J Kidney Dis* 2013;61(4):646-648.

20. **Turin TC**, Coresh J, Tonelli M, Stevens PE, Farmer KT, Matsushita K, Hemmelgarn BR. Short-term change in kidney function and risk of end-stage renal disease. *Nephrol Dial Transplant* 2012;27(10):3835-3843.
21. **Turin TC**, Murakami Y, Miura K, Rumana N, Kita Y, Hayakawa T, Okamura T, Okayama A, Ueshima H for the NIPPON DATA80 Research Group. Hypertension and life expectancy among Japanese: NIPPON DATA80. *Hypertens Res* 2012;35(9):954-958.
22. **Turin TC**, Tonelli M, Manns BJ, Ahmed SB, Ravani P, James MT, Hemmelgarn BR. Lifetime risk of end-stage renal disease. *J Am Soc Nephrol* 2012;23(9):1569-1578.
23. **Turin TC**, Tonelli M, Manns BJ, Ravani P, Ahmed SB, Hemmelgarn BR. Chronic kidney disease and life expectancy. *Nephrol Dial Transplant* 2012;27(8): 3182-3186.
24. **Turin Chowdhury T**, Hemmelgarn BR. Long-term risk projection and their application in nephrology research. *J Nephrol* 2012; 25(04): 441-449.
25. **Turin TC**, Coresh J, Tonelli M, Stevens PE, Farmer KT, Matsushita K, Hemmelgarn BR. One-year change in kidney function is associated with an increased mortality risk. *Am J Nephrol* 2012;36(1):41-49.
26. Hemmelgarn BR, James MT, Manns BJ, O'Hare AM, Muntner P, Ravani P, Quinn RR, **Turin Chowdhury T**, Tan Z, Tonelli M. Rates of treated and untreated kidney failure in older versus younger adults. *JAMA* 2012;307(23):2507-2515.
27. **Turin TC**, Murakami Y, Miura K, Rumana N, Kadota A, Ohkubo T, Okamura T, Okayama A, Ueshima H for the NIPPON DATA80 Research Group. Diabetes and life expectancy among Japanese - NIPPON DATA80. *Diabetes Res Clin Pract* 2012;96(2): e12-e22.
28. **Turin TC**, Kita Y, Rumana N, Nakamura Y, Ueda K, Takashima N, Sugihara H, Morita Y, Ichikawa M, Hirose K, Nitta H, Okayama A, Miura K, Ueshima H. Ambient air pollutants and acute case-fatality of cerebro-cardiovascular events: Takashima Stroke and AMI Registry, Japan (1988-2004). *Cerebrovasc Dis* 2012; 34(2): 130-139.
29. **Turin TC**, Kita Y, Rumana N, Nakamura Y, Takashima N, Ichihara M, Sugihara H, Morita Y, Hirose K, Matsui K, Okayama A, Miura K, Ueshima H. Is there any circadian variation consequence on acute-case-fatality of stroke? Takashima Stroke Registry, Japan (1990-2003). *Acta Neurol Scand* 2012; 125(3): 206-212.
30. **Turin TC**, Kita Y, Rumana N, Nakamura Y, Ueda K, Takashima N, Sugihara H, Morita Y, Ichihara M, Hirose K, Nitta H, Okayama A, Miura K, Ueshima H. Short-term exposure to air pollution and incidence of stroke and acute myocardial infarction in a Japanese population. *Neuroepidemiology* 2012;38(2):84-92.
31. **Turin TC**, Rumana N, Okamura T. Residual lifetime risk of cardiovascular diseases in Japan. *J Atheroscler Thromb* 2011; 18(6):443-447.