

Doreen Rabi, BSc MSc MD, FRCPC

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AI-HS Population Health Investigator



RESEARCH INTERESTS AND ACTIVITIES

Key Words: diabetes, cardiovascular disease, sex and gender, drug efficacy and effectiveness, meta-analysis

Dr. Rabi's research interests include cardiovascular outcomes in patients with diabetes, with a particular interest in sex, gender social determinants of disease outcome. Dr. Rabi is an AIHS Population Health Investigator and her research program involves an examination of sex differences in the efficacy and effectiveness of cardiovascular medications. She is also an investigator on the GENESIS PRAXY study, a national cohort study that is examining sex specific determinants for the development and outcome of premature acute coronary syndromes.

RESEARCH IN PROGRESS

<u>ROLE</u>	<u>FUNDING AGENCY</u>	<u>TITLE OF PROJECT</u>	<u>2010/11 ALLOCATION</u>
Principal Investigator	Faculty of Medicine Bridge Funding	<i>Does academic reporting on sex disparities in care lead to gradual disappearance of disparities? An evaluation of knowledge dissemination and ensuing change in cardiovascular care.</i>	20,000
Co-Investigator	Heart and Stroke Foundation of Canada	<i>Gender and sex determinants of premature coronary artery syndrome (GENESIS PRAXY)</i>	ongoing
	Canadian Institutes of Health Research	<i>Alliance of Canadian health outcomes researchers in diabetes</i>	33,000

PUBLICATIONS

Peer-Reviewed Journal Articles

ACCORD Study Group (including **Rabi DM**); ACCORD Eye Study Group, Chew EY, Ambrosius WT, Davis MD, Danis RP, Gangaputra S, Greven CM, Hubbard L, Esser BA, Lovato JF, Perdue LH, Goff DC Jr, Cushman WC, Ginsberg HN, Elam MB, Genuth S, Gerstein HC, Schubart U, Fine LJ. Effects of medical therapies on retinopathy progression in type 2 diabetes. *New England Journal of Medicine* 2010;363(3):233-44.

Ho J, Leung AKC, **Rabi DM**. Hypoglycemic agents in the management of type 2 diabetes. *Recent Patents on Endocrine, Metabolic and Immune Drug Discovery* 2011;5:66-73.

ACCORD Study Group (including **Rabi DM**), Gerstein HC, Miller ME, Genuth S, Ismail-Beigi F, Buse JB, Goff DC Jr, Probstfield JL, Cushman WC, Ginsberg HN, Bigger JT, Grimm RH Jr, Byington RP,

Rosenberg YD, Friedewald WT. Long-term effects of intensive glucose lowering on cardiovascular outcomes. *New England Journal of Medicine* 2011;364(9):818-28.

Butalia S, Leung AA, Ghali WA, **Rabi DM**. Aspirin effect on the incidence of major adverse cardiovascular outcomes in patients with diabetes mellitus: A systematic review and meta-analysis. *Cardiovascular Diabetology* 2011;10(1):25.

Rabi DM, Daskalopoulou SS, Padwal RS, Khan NA, Grover SA, Hackam DG, Myers MG, McKay DW, Quinn RR, Hemmelgarn BR, Cloutier L, Bolli P, Hill MD, Wilson T, Penner B, Burgess E, et al. The 2011 Canadian hypertension education program recommendations for the management of hypertension: Blood pressure measurement, diagnosis, assessment of risk, and therapy. *Canadian Journal of Cardiology* 2011;27(4):415-33.e2.

Rabi DM, Johnson JA, Edwards AL. Self-monitoring of blood glucose for individuals with type 2 diabetes not using insulin: Leaving no cornerstone unturned. *Canadian Journal of Diabetes* 2010;34(1):24-6.

Abstracts Published in Journals

Butalia S, Shaheen AA, Myers RP, Ghali WG, **Rabi DM**. Sex differences in diagnostic and therapeutic procedures for acute myocardial infarction in hospitalized patients with diabetes mellitus. *Canadian Cardiovascular Congress*, Montreal, Quebec, October 24, 2010:178.

Butalia S, Leung AA, Ghali WG, **Rabi DM**. Aspirin effect on the incidence of major adverse cardiovascular events in patients with diabetes mellitus. A systematic review and meta-analysis. *Canadian Cardiovascular Congress*, Montreal, Quebec, October 24, 2010:167.

Alhadramy O, Southern DA, **Rabi DM**, Graham MM. Long term outcome in diabetic patients undergoing primary percutaneous coronary intervention for ST-elevation myocardial infarction. *Canadian Cardiovascular Congress*, Montreal, Quebec, 2010:331.

GRADUATE STUDENT SUPERVISION

Sonia Butalia, MSc student, Department of Community Health Sciences
Thesis Topic: Sociodemographic and environmental determinants of acute glycaemic complications in type 1 diabetes.

Simona Burs, MSc student, Department of Community Health Sciences (Co-Supervisor)
Thesis Topic: Predictors of cardiovascular mortality in type 1 and type 2 diabetes

UNDERGRADUATE STUDENT SUPERVISION

Selena Matthew, MD student, Faculty of Medicine
Project Topic: Association of depression with medication adherence in men and women with diabetes

Ryan Todd, MD student, Faculty of Medicine
Project Topic: Utilization of cardiac revascularization procedures in persons with and without schizophrenia

