

CURRICULUM VITAE

ANWAR T MERCHANT, ScD, MPH, DMD

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EDUCATION:

- Doctor of Science (ScD) in Nutrition and Epidemiology, Harvard School of Public Health, Boston MA, 2001
- Master of Public Health (MPH), Harvard School of Public Health, Boston MA, USA, 1989
- Doctor of Dental Medicine (DMD), Shiraz University, Shiraz, Iran January 1980

POSTDOCTORAL TRAINING:

- Research Fellow, Department of Nutrition, Harvard School of Public Health, Boston MA, 2001-02
- Research Associate, Department of Nutrition, Harvard School of Public Health, Boston MA, 2002-03

ACADEMIC APPOINTMENTS:

2015- Professor, Director of Curriculum Development (Epidemiology, 2010-present),
Division Head (2008-2010), Department of Epidemiology and Biostatistics

2008-2014 Associate Professor and Epidemiology, (Tenured 2012)

2011- Research privileges, Department of Veterans Affairs, Dorn VA Medical Center,
Columbia, SC

2003-2007 Assistant Professor, Department of Clinical Epidemiology and Biostatistics, McMaster
University, Hamilton, Ontario, Canada

2001-2006 Clinical Instructor, Harvard School of Dental Medicine, Boston, MA, USA

1994-2006 Senior Instructor, Department of Community Health Sciences, Aga Khan University,
Karachi, Pakistan

2006-2008 Honorary Lecturer, Department of Community Health Sciences, Aga Khan University,
Karachi, Pakistan

HONORS AND AWARDS:

2013 Member, Delta Omega Honorary Society in Public Health (Mu Chapter)

2011 Fellow American College of Epidemiology

2004-05 Hirsch Research Career Award, Hamilton Health Sciences

1998-2001 Irene and Fredrick Stare Award, Harvard School of Public Health

1998-99 Aga Khan Foundation, scholarship for doctoral studies

1993 Aga Khan Foundation, Travel and Study Award

1988-89 Aga Khan University, Scholarship for MPH

TRAINEE HONORS:

2006 Lawrence deKoning, Doctoral student, Canadian Institutes of Health Research
Frederick Banting and Charles Best Canada Graduate Scholarship Doctoral
Research Award: 2006-2009

- 2008 Youn Hee Choi, Doctoral student, Dean's Travel Award, Arnold School of Public Health, University of South Carolina, to present a poster at the American Association for Dental Research meeting
- 2009 Monica Jethwani, Master's Student, Student Award for presentation at South Carolina Public Health Association (SCPHA) annual conference, May 2009
- 2010 Kelly Johnson, South Carolina Diabetes Fall Symposium Poster Session – 1st place, 2010
- 2010 Omar Whiteside, HRSA Public Health Traineeship for August 2010
- 2011 Youn Hee Choi, Doctoral student, Departmental Award recognizing outstanding graduating doctoral student, Department of Epidemiology and Biostatistics, Arnold School of Public Health, University of South Carolina
- 2013 Chao Li, Doctoral student, Dean's Travel Award, Arnold School of Public Health, University of South Carolina, to present a poster at the American Diabetes Association meeting, Philadelphia, June 2012
- 2013 Deepika Shrestha, Doctoral student, Dean's Travel Award, Arnold School of Public Health, University of South Carolina, to present a poster at the American Diabetes Association meeting, Chicago, June 2013
- 2013 Dr. Edith Williams, Research Assistant Professor, University of South Carolina, Department of Epidemiology and Biostatistics, K01, NIH, "Improve quality of life for African-American lupus patients (IQAN) Project", Mentee
- 2014 Donwiwat Saensum, 2014 IADR LION Dental Research Award for Junior Investigators

PROFESSIONAL MEMBERSHIP:

- American Diabetes Association
- American Society for Nutrition
- American College of Epidemiology
- International Association for Dental Research
- American Heart Association

GRANT AND JOURNAL REVIEWS:

- Editorial Board, Journal of the Dental Association of Thailand, June 2013-present
- Statistical Editor, Journal of Evidence-Based Dental Practice, 2001-present
- Associate Editor, International Journal of Dentistry, 2009, Special Issue, "Impact of Diabetes on Oral Health Outcomes in Children and Adolescents"
- Ad hoc reviewer. Journal of the American Dental Association
- Ad hoc reviewer. Community Dentistry and Oral Epidemiology
- Ad hoc reviewer. American Journal of Clinical Nutrition
- Ad hoc reviewer. Canadian Medical Association Journal
- Ad hoc reviewer. Journal of Periodontology
- Ad hoc reviewer, Journal of Dental Research
- Ad hoc reviewer, Journal of Clinical Periodontology
- Ad hoc reviewer. American Public Health Association, Abstract Review, 2008
- Ad hoc reviewer. 20th National Conference on Chronic Disease Prevention and Control, Abstract Review, 2008
- Ad hoc reviewer. American Journal of Epidemiology.
- Ad hoc reviewer. American Journal of Clinical Nutrition

- Ad hoc reviewer. Nutrition
- Ad hoc reviewer. European Journal of Oral Sciences
- Ad hoc reviewer. Atherosclerosis
- Ad hoc reviewer. Journal of Public Health
- Ad hoc reviewer. Social Science and Medicine
- Ad hoc reviewer. Preventive Medicine
- Ad hoc reviewer. Public Health Nutrition
- Ad hoc reviewer. Journal of the American College of Nutrition.
- Ad hoc reviewer. Diabetologia
- Ad hoc reviewer. New England Journal of Medicine
- Ad hoc reviewer. British Medical Journal
- Ad-hoc grant reviewer, Heart and Stroke Foundation of Canada and Canadian Institutes of Health Research
- Ad-hoc grant reviewer, WHO funded Initiative for Cardiovascular Health Research in developing countries (IC Health), New Delhi, India
- Ad-hoc grant reviewer, Diabetes UK
- External Reviewer for grant application, University of Saskatchewan, Saskatoon, Canada

GRADUATE TEACHING IN LAST 5 YEARS

- Served on dissertation/thesis committees of 6 PhD and 3 Masters graduates (completed)
- Currently 3 PhD students
- Taught 10 courses
- Developed new course on Application of Epidemiology in Public Health (Fall 2008)
- Developed new course on Clinical Epidemiology (Spring 2013)
- Developed new course on Advanced Methods in Epidemiology (Fall 2013)
- Currently supervising 6 PhD and 1 Masters Students

OTHER SCHOLARLY ACTIVITIES:

- Invited speaker, Dorn VA Medical Center Research Day, May 18, 2016, Columbia, SC
- Invited speaker, 6th Annual Nutrition Symposium, "Healthy Eating in Context: The Realities of the Dietary Guidelines", March 18, 2016, Columbia, SC
- Instructor on behalf of Arnold School of Public Health for King Saud bin Abdelaziz, University for Health Sciences, Riyadh, Saudi Arabia
- Invited speaker, Faculty of Dentistry, Khon Kaen University, Khon Kaen, Thailand, 5-16 May 2012
- Research methods online course, Stanford University, Qassim University, 24 December 2011, 18 March 2012
- Invited speaker, College of Pharmacy (USC and MUSC) multicultural event
- Diabetes Surveillance Council, Board of Directors, 2010-
- Invited speaker, University of Saskatchewan, Saskatoon, Canada, February 2010
- Canadian Heart Health Action Plan, 2007-2008, Background paper for Theme Working Group 3
- Teaching Excellence Award nominee, Department of Clinical Epidemiology and Biostatistics, McMaster University, 2006
- Invited speaker, Task Force on Design and Analysis, New Jersey, 2006

- Invited speaker and resource, Initiative for Cardiovascular Health Research in the Developing Countries, Agra, India, 2006
- Resource person, Global Youth Meet on Health, Agra, India, 2006
- Consultant, Heart and Stroke Foundation of Canada, Writing background paper on “Prevention, Detection, and Treatment of Cardiovascular Disease in Canada” for Canadian Heart Health Strategy and Action Plan, 2007
- Consultant, City of Hamilton, Analysis of CCHS 2.2 data for report, “Prevalence and distribution of overweight and its determinants in Hamilton and Central South Ontario”, 2007
- Consultant, World Bank Funded Family Health Project, AKU-CHS, 1994-1998, Conducted survey of Sindh to collect health indicators

CURRENT RESEARCH INTEREST:

- Periodontal disease and complications of diabetes
- Lifestyle factors associated with complications in children with diabetes
- Oral microorganisms and systemic outcomes
- Causal models to evaluate periodontal treatment effects on systemic outcomes

PUBLICATIONS:

1. **Merchant AT**, Georgantopoulos P, Howe CJ, Virani SS, Morales DA, Haddock KS. Effect of long term periodontal care on hemoglobin A1c in type 2 diabetes. *J Dent Res.* 2016 Apr;95(4):408-15. doi: 10.1177/0022034515622197. Epub 2015 Dec 23
2. **Merchant AT**, Nahhas GJ, Wadwa RP, Zhang J, Tang Y, Johnson LR, Maahs DM, Bishop F, Teles R, Morrato EH. Periodontal microorganisms and cardiovascular risk markers in youth with type 1 diabetes and no diabetes. *J Periodontol.* 2016 Apr;87(4):376-84. doi: 10.1902/jop.2015.150531. Epub 2015 Nov 28].
3. Kim HY, Kim CW, Park CH, Choi JH, Han K, **Merchant AT**, Park YM. Low skeletal muscle mass is associated with non-alcoholic fatty liver disease in Korean adults: the Fifth Korea National Health and Nutrition Examination Survey. *Hepatobiliary Pancreat Dis Int.* 2016 Feb;15(1):39-47.
4. Kim BC, Kim MK, Han K, Lee SY, Lee SH, Ko SH, Kwon HS, **Merchant AT**, Yim HW, Lee WC, Park YG, Park YM. Low muscle mass is associated with metabolic syndrome only in nonobese young adults: the Korea National Health and Nutrition Examination Survey 2008-2010. *Nutr Res.* 2015 Dec;35(12):1070-8. doi: 10.1016/j.nutres.2015.09.020. Epub 2015 Oct 5.
5. Trivedi T, Liu J, Probst JC, **Merchant AT**, Jones SJ, Martin AB. Obesity and obesity-related behaviors among rural and urban adults in the United States. *Rural Remote Health.* 2015 Oct-Dec;15(4):3267. Epub 2015 Oct 13.
6. **Merchant AT**, Pitiphat W. Total, Direct and Indirect Effects of Paan on Oral Cancer. *Cancer Causes Control.* 2015 Mar;26(3):487-91. doi: 10.1007/s10552-014-0516-x. Epub 2014 Dec 27.
7. Lee KS, Lee SG, Kim EK, Jin HJ, Im SU, Lee HK, **Merchant AT**, Song KB, Choi YH. Metabolic syndrome and its components can be a determinant for the future periodontal diseases in adolescents. *J Clin Periodontol.* 2015 Feb;42(2):105-12. doi: 10.1111/jcpe.12338. Epub 2015 Jan 20.
8. Shrestha D*, Choi YH, Zhang J, Hazlett LJ, **Merchant AT**. Relationship between serological markers of periodontal bacteria and metabolic syndrome and its components. *J Periodontol.* 2015 Mar;86(3):418-30. doi: 10.1902/jop.2014.140408. Epub 2014 Nov 21.
9. Walker A*, Probst JC, Martin AB, Bellinger JD, **Merchant A**. Analysis of hospital-based emergency department visits for dental caries in the United States in 2008. *J Public Health Dent.* 2014 Aug;74(3):188-94. doi: 10.1111/jphd.12045. Epub 2013 Dec 3.

10. Nahhas G*, Daguise VG, Ortaglia A, **Merchant AT**. Determinants of Major Cardiovascular Risk Factors among Participants of the SC-WISEWOMAN Program, 2009-2012; *Prev Chronic Dis*. 2014 Sep 4;11:E153. doi: 10.5888/pcd11.140044
11. Li C*, Beech B, Crume T, D'Agostino Jr. RB, Dabelea D, Kaar JL, Liese AD, Mayer-Davis EJ, Pate R, Pettitt DJ, Taplin C, Rodriguez B, **Merchant AT**. Longitudinal association between television watching and computer use and risk markers in diabetes in the SEARCH for Diabetes in Youth Study; *Pediatr Diabetes*. 2015 Aug;16(5):382-91. doi: 10.1111/pedi.12163. Epub 2014 Jul 12
12. **Merchant AT**, Shrestha D, Chaisson C, Choi YH, Hazlett LJ, Zhang J. Association between serum antibodies to oral microorganisms and hyperglycemia. *J Dent Res*. 2014 Jun 18;93(8):752-759. [Epub ahead of print]
13. Johnson KD, Cai B, Duffus W, White K, Smieja M, Divya A, **Merchant AT**. Longitudinal Association between Body Mass Index at Diagnosis and HIV Disease Progression. *AIDS Behav*. 2014 Jun 1. [Epub ahead of print]
14. Dabelea D, Mayer-Davis EJ, Saydah S, Imperatore G, Linder B, Divers J, Bell R, Badaru A, Talton JW, Crume T, Liese AD, **Merchant AT**, Lawrence JM, Reynolds K, Dolan L, Liu LL, Hamman RF; SEARCH for Diabetes in Youth Study. Increasing Prevalence of Type 2 Diabetes in Youth: The SEARCH for Diabetes in Youth Study, *JAMA*. 2014 May 7;311(17):1778-86
15. Hajna S, LeBlanc PJ, Faught BE, **Merchant AT**, Cairney J, Hay J, Liu J. Associations between family eating behaviours and body composition measures in peri-adolescents: Results from a community-based study of school-aged children. *Can J Public Health*. 2014 Jan 10;105(1):e15-21
16. Liese AD, Crandell JL, Tooze JA, Fangman MT, **Merchant AT**, Bell RA, Couch SC, Mayer-Davis EJ. Relative validity and reliability of a food frequency questionnaire in youth with type 1 diabetes. *Public Health Nutr*. 2014 Mar 28;1-10. [Epub ahead of print]
17. Lamichhane AP, Liese AD, Urbina EM, Crandell JL, Jaacks LM, Dabelea D, Black MH, **Merchant AT**, Mayer-Davis EJ. Associations of dietary intake patterns identified using reduced rank regression with markers of arterial stiffness among youth with type 1 diabetes. *European Journal of Clinical Nutrition* , (28 May 2014) | doi:10.1038/ejcn.2014.96
18. Choi YH*, McKeown RE, Mayer-Davis EJ, Liese AD, Song KB, **Merchant AT**. C-reactive Protein and Periodontal Pathogens may be Effect Modifiers of Clinically Defined Periodontitis and Hyperglycemia. *J Periodontol*. 2014 Jan 13. [Epub ahead of print]
19. Walker A*, Probst JC, Martin AB, Bellinger JD, **Merchant AT**. Analysis of hospital-based emergency department visits for dental caries in the United States in 2008. *Journal of Public Health Dentistry*, 2013. ISSN 0022-4006
20. Lee KS, Kim EK, Kim JW, Choi YH, **Merchant AT**, Song KB, Lee HK. The relationship between metabolic conditions and prevalence of periodontal disease in rural Korean elderly. *Archives of Gerontology and Geriatrics* 58 (2014) 125–129
21. Kim EK, Lee SG, Choi YH, Won KC, Moon JS, **Merchant AT**, Lee HK. Association between diabetes-related factors and clinical periodontal parameters in type-2 diabetes mellitus. *BMC Oral Health*. 2013 Nov 7;13(1):64
22. Couch SC, Crandell JL, Shah AS, Dolan LM, **Merchant AT**, Liese AD, Lawrence JM, Pihoker C, Mayer-Davis EJ. Fructose Intake and Cardiovascular Risk Factors in Youth with Type 1 Diabetes: SEARCH for Diabetes in Youth Study. *Diabetes Res Clin Pract*. 2013 May;100(2):265-71. doi: 10.1016/j.diabres.2013.03.013. Epub 2013 Mar 27
23. Hilliard ME, Lawrence JM, Modi AC, Anderson A, Crume T, Dolan LM, **Merchant AT**, Yi-Frazier JP, Hood KK; for the SEARCH for Diabetes in Youth Study Group. Identification of Minimal Clinically Important Difference Scores of the Pediatric Quality of Life Inventory in Children, Adolescents, and Young Adults With Type 1 and Type 2 Diabetes. *Diabetes Care*. 2013 Jan 22. [Epub ahead of print]
24. Dehghan M, Martinez S, Zhang X, Seron P, Lanas F, **Merchant AT**. Relative validity of food frequency questionnaire to estimate daily foods and nutrients intake for Chilean adult. *Public Health Nutr*. *Public Health Nutr*. 2013 Oct;16(10):1782-8. doi: 10.1017/S1368980012004107. Epub 2012 Sep 21

25. Liu J, Hay J, Faught BE, Wade T, Cairney J, **Merchant AT**, Trevisan M. Family eating and activity habits, diet quality and pre-adolescent overweight and obesity. *Public Health*. 2012 Jun;126(6):532-4. doi: 10.1016/j.puhe.2012.02.012. Epub 2012 May 5
26. Hajna S, Liu J, Leblanc PJ, Faught BE, **Merchant AT**, Cairney J, Hay J. Association between body composition and conformity to the recommendations of Canada's Food Guide and the Dietary Approaches to Stop Hypertension (DASH) diet in peri-adolescence. *Public Health Nutr*. 2012 Apr 17:1-7. [Epub ahead of print]
27. Dehghan M, Del Cerro S, Zhang X, Cuneo JM, Linetzky B, Diaz R, **Merchant AT**. Validation of a semi-quantitative food frequency questionnaire for Argentinean adults. *PLoS One*. 2012;7(5):e37958. Epub 2012 May 25
28. Liu J, Jones SJ, Han S, Probst JC, **Merchant AT**, Cavicchia P. Diet, Physical Activity, and Sedentary Behaviors as Risk Factors for Childhood Obesity: An Urban and Rural Comparison. *Child Obes*. 2012 Oct;8(5):440-8. doi: 10.1089/chi.2012.0090
29. Whiteside YO, **Merchant AT**, Hussey J, Adams SA, Duffus WA. Occurrence of New Sexually Transmitted Diseases in Males after HIV Diagnosis. *AIDS Behav*. 2012 Feb 2
30. **Merchant AT**, Oranbandid S, Jethwani M, Choi YH, Morrato EH, Pitiphat W, Mayer-Davis EJ. Oral care practices and A1C among youth with type 1 and type 2 diabetes. *J Periodontol*. 2012 Jul;83(7):856-63. Epub 2011 Dec 5
31. Oranbundid S, Luengpailin S, Poomat N, **Merchant AT**, Pitiphat W. Evaluation of noncavitated and cavitated carious lesions using the International Caries Detection Assessment System (ICDAS II) and oral hygiene in Thai students with disabilities, 2011, *Journal of Disability and Oral Health* 12 (3), 99,
32. Chung SY, Kwon H, Choi YH, Karmaus W, **Merchant AT**, Song KB, Sakong J, Ha M, Hong YC, Kang D. Dental composite fillings and Bisphenol A among children: A survey in South Korea. *Int Dent J*. 2012 Apr;62(2):65-9. doi: 10.1111/j.1875-595X.2011.00089.x
33. Sakong J, Choi YH, Chung S Y, Kwon H, Karmaus W, **Merchant AT**, Ha M, Hong YC, Kang D, Song KB. Association between Amalgam Tooth Fillings and Blood Mercury Levels in Children. *International Journal of Oral Biology*, Vol. 36, No. 3, September 30 2011, p. 123-128.
34. Choi YH, McKeown RE, Mayer-Davis EJ, Liese AD, Song KB, **Merchant AT**. Association between Periodontitis and Impaired Fasting Glucose and Diabetes. *Diabetes Care*. 2011 Feb;34(2):381-6. Epub 2011 Jan 7.
35. Dehghan M, Akhtar-Danesh N, **Merchant AT**. Factors associated with fruit and vegetable consumption among adults. *J Hum Nutr Diet*. 2011 Apr;24(2):128-34.
36. **Merchant AT**, Jethwani M, Choi YH, Morrato EH, Liese AD, Mayer-Davis EJ. Associations between periodontal disease and selected risk factors of early complications among youth with type 1 and type 2 diabetes: a pilot study. *Pediatr Diabetes*. 2011 Sep;12(6):529-535.
37. Dehghan M, Lopez JP, Dueñas R, Anaya LL, Garcia RG, Zhang X, Islam S, **Merchant AT**. Development and validation of a quantitative food frequency questionnaire among rural and urban dwelling adults in Colombia. *J Nutr Educ Behav*. 2011 Jul 5. [Epub ahead of print]
38. **Merchant AT**, DeLuca P, Shubbair MM, Emili J, Kanaroglou P. Local Data for Obesity Prevention: Using National Datasets. *The Professional Geographer*, 18 May 2011 (iFirst)
39. **Merchant AT**, Tripathi A, Pervaiz F. Available energy from soft drinks: more than the sum of its parts. *Public Health Nutr*. 2010 May 6:1-3. [Epub ahead of print].
40. Lee HK, Lee KD, **Merchant AT**, Lee SK, Song KB, Lee SG, Choi YH. More missing teeth are associated with poorer general health in the rural Korean elderly. *Arch Gerontol Geriatr*. 2010 Jan-Feb;50(1):30-3. Epub 2009 Feb 23.
41. Lee HK, Choi SH, Won KJ, **Merchant AT**, Song KB, Jeong SH, Lee SK, Choi YH; The effect of intensive oral hygiene care on gingivitis and periodontal destruction in type 2 diabetic patients. *Yonsei Med J*. 2009 Aug 31;50(4):529-36. Epub 2009 Aug 19.
42. **Merchant AT**, Vatanparast H, Barlas S, Dehghan M, Shah SMA, deKoning L, Steck SE. Carbohydrate intake and overweight-obesity among healthy adults. *J Am Diet Assoc*. 2009 Jul;109(7):1165-72.

43. Dehghan M, Al-Hamad N, McMillan CR, Prakash P, **Merchant AT**. Comparison of a semi-quantitative food frequency questionnaire with 24-hour dietary recalls to assess dietary intake of adult Kuwaitis. *Saudi Med J*. 2009 Jan;30(1):159-61.
44. de Koning L, **Merchant AT**, Hegele RA, Xie C, Vuksan V, Teo K, Yusuf S, Anand SS; Study of Health Assessment and Risk in Ethnic Groups investigators. Association of the FABP2 T54 variant with plasma triglycerides and insulin resistance in a multiethnic population. *Clin Chem*. 2008 Oct;54(10):1742-4.
45. Dehghan M, **Merchant AT**. Is bioelectrical impedance accurate for use in large epidemiological studies? *Nutr J*. 2008 Sep 9;7:26.
46. Akhtar-Danesh N, Dehghan M, **Merchant AT**, Rainey JA. Validity of self-reported height and weight for measuring prevalence of obesity. *Open Med* 2008;2(3):14–19.
47. Iqbal R, Ajayan K, Bharathi AV, Zhang X, Islam S, Soman CR, **Merchant AT**. Refinement and validation of a food frequency questionnaire developed to estimate macro and micro-nutrient intake in a South Indian population. *Public Health Nutr*. 2008 Mar 7;:1-7
48. **Merchant AT**, Anand SS, Kelemen LE, de Koning L, Vuskan V, Jacobs R, Davis B, Teo KK, Yusuf S; Fat intake and carotid artery intimal medial thickness in a multi-ethnic population. *Am J Clin Nutr* 2008; 87: 168-74.
49. **Merchant AT**, Pitiphat W. Researching Periodontitis: Challenges and Opportunities. *J Clin Periodontol*. 2007 Dec;34(12):1007-15. Epub 2007 Oct 22.
50. de Koning L, **Merchant AT**, Anand SS. Waist circumference and waist to hip ratio as predictors of cardiovascular events: meta-regression analysis of prospective studies. *Eur Heart J*. 2007 Apr;28(7):850-6.
51. **Merchant AT**, Dehghan M, Akhtar-Danesh N. Seasonal variation in leisure time physical activity among Canadians. *Can J Public Health*. 2007 May-Jun;98(3):203-8.
52. **Merchant AT**, Dehghan M, Behnke-Cook D, Anand SS. Obesity risk factors in children in poor and rich neighborhoods: a cross-sectional comparison. *Nutr J*. 2007 Jan 11;6:1
53. **Merchant AT**, Anand SS, Kelemen LE, Vuksan V, Jacobs R, Davis B, Teo KK, Yusuf S. Carbohydrate intake and HDL in a multi-ethnic population. *Am J Clin Nutr*. 2007 Jan;85(1):225-30.
54. Shah SM, **Merchant AT**. Percutaneous injuries among dental professionals in Washington State. *BMC Public Health*. 2006 Oct 30;6:269.
55. **Merchant A**, Yusuf S, Sharma AM. A cardiologist's guide to waist management. *Heart*. 2006 July; 92:865-866.
56. **Merchant AT**, Pitiphat W, Franz M, Joshipura KJ. Wholegrain intake and periodontitis risk. *Am J Clin Nutr*. 2006 Jun;83(6):1395-400.
57. **Merchant AT**, Dehghan M. Food composition database development for between country comparisons. *Nutr J*. 2006 Jan 19;5:2.
58. **Merchant AT**, Dehghan M, Chifamba J, Terera G, Yusuf S. Nutrient estimation from an FFQ developed for a Black Zimbabwean population. *Nutr J*. 2005 Dec 13;4(1):37.
59. **Merchant AT**, Curhan G, Rimm E, Willett WC; Fawzi WW. n-6 and n-3 Fatty Acid and Fish Intake and Community Acquired Pneumonia Risk in US Men; *Am J Clin Nutr*. 2005;82(3):668-74.
60. Dehghan M, Akhtar-Danesh N, **Merchant AT**. Childhood obesity, prevalence and prevention. *Nutr J*. 2005;4(1):24.
61. Dehghan M, Hamad N, Yusufali A, Nusrath F, Yusuf S, **Merchant AT**. Development of a semi-quantitative food frequency questionnaire for use in United Arab Emirates and Kuwait based on local foods; *Nutr J* 2005; 4:18.
62. **Merchant AT**, Msamanga G, Villamor E, Saathoff E, O'Brien M, Hertzmark E, Hunter DJ, Fawzi WW; Multivitamin supplementation reduces hypertension during pregnancy in HIV positive women; *J Nutr* 2005; 35(7):1776-81.

63. **Merchant AT**, Anand SS, Vuskan V, Jacobs R, Davis B, Teo KK, Yusuf S; Protein intake is inversely associated with abdominal obesity in a multi-ethnic population; *J Nutr* 2005; 135(5):1196-201.
64. **Merchant AT**, Anand SS, Yusuf S; Insights From Cross Population Studies: Rose Revisited; *Int J Epidemiol.* 2005; 34(2):244-6.
65. Pitiphat W, Crohin C, Williams P, **Merchant AT**, Douglass CW, Colditz GA, Joshipura KJ; Use of preexisting radiographs for assessing periodontal disease in epidemiologic studies; *J Public Health Dent.* 2004;64(4):223-30.
66. **Merchant AT**, Curhan G, Bendich A; Singh VN, Willett WC; Fawzi WW; Vitamin Intake Is Not Associated With Community Acquired Pneumonia Among US Men; *J Nutr* 2004;134(2):439-44.
67. Al-Delaimy WK, **Merchant AT**, Rimm EB, Willett WC, Stampfer MJ, Hu FB. Effect of type 2 diabetes and its duration on risk of peripheral vascular disease among men. *Am J Med.* 2004;116(4):236-40.
68. Joshipura KJ, Wand HC, **Merchant AT**, Rimm EB. Periodontal disease and biomarkers related to cardiovascular disease. *J Dent Res.* 2004;83(2):151-5.
69. **Merchant AT**, Pitiphat W, Parker J, Kellerman M, Douglass CW. Can Non-Standardized Bitewing Radiographs be used to Assess Alveolar Bone Loss in Epidemiologic Studies? *Community Dent Oral Epidemiol.* 2004; 32:271-6.
70. Mumghamba E, Pitiphat W, Matee M, Simon E, **Merchant AT**; The usefulness of using Ramfjord teeth in predicting periodontal status of a Tanzanian adult population. *J Clin Periodontol.* 2004 31(1):16-8.
71. **Merchant AT**, Jones C, Kiure A, Kupka R, Fitzmaurice G, Herrera MG, Fawzi WW; Water and sanitation associated with improved child growth; *Eur J Clin Nutr;* 2003;57(12):1562-8.
72. He K, **Merchant A**; Rimm EB, Rosner, BA; Stampfer MJ; Willett WC, Ascherio A. Folate, Vitamin B6, and B12 Intakes in Relation to Risk of Stroke Among Men. *Stroke.* 2004;35(1):169-74.
73. **Merchant AT**, Pitiphat W, Ahmed B, Kawachi I, Joshipura KJ; A Prospective Study of Social Support, Anger Expression and Periodontitis Risk in Men; *J Am Dent Assoc.* 2003; 134(12):1591-6.
74. Hung HC, **Merchant A**, Ascherio A, Willett WC, Rosner BA, Rimm EB, Joshipura KJ. The association between fruit and vegetable consumption and peripheral arterial disease. *Epidemiology* (2003); 14(6) 659-665.
75. He K, **Merchant A**; Rimm EB, Rosner, BA; Stampfer MJ; Willett WC, Ascherio A. Dietary Fat Intake and Risk of Stroke in male US Health Care Professionals: a 14-year Prospective Cohort Study. *BMJ* (2003); 327(7418) 777-82.
76. **Merchant AT**, Hu FB, Spiegelman, Willett WC, Rimm EB, Ascherio A. Dietary Fiber Reduces Peripheral Arterial Disease Risk in Men. *J Nutr* 2003; 133(11).
77. **Merchant AT**, Hu FB, Spiegelman, Willett WC, Rimm EB, Ascherio A. The Use of B Vitamin Supplements and Peripheral Arterial Disease Risk in Men Are Inversely Related. *J Nutr* 2003;133(9):2863-2867.
78. Pitiphat W, **Merchant AT**, Rimm EB, Joshipura KJ; Alcohol Consumption Increases Periodontitis Risk. *J Dent Res.* 2003;82(7):509-13.
79. **Merchant AT**, Pitiphat W, Rimm EB, Joshipura KJ; Increased physical activity decreases periodontitis risk in men. *Eur J Epidemiol.* 2003; 18(9):891-898.
80. du Châtelet IP, **Merchant AT**, Fisher-Hoch S, Luby SP, Plotkin SA, Moatter T, Agboatwalla M, Mc Cormick JB; Serological response and poliovirus excretion following different combined Oral and inactivated poliovirus vaccines immunization schedules. *Vaccine* 2003; 21(15):1710-8.
81. Hung H, Willett WC, **Merchant A**, Rosner BA, Ascherio A, Joshipura KJ; Oral health and peripheral arterial disease. *Circulation.* 2003;107(8):1152-7.
82. Shah MAS, Selwyn BJ, Luby S, **Merchant A**, Bano R. Prevalence and correlates of stunting

- among children in rural areas of Pakistan: Role of gender bias. *Pediatr Int.* 2003; 45(1):49-53.
83. He K, Rimm EB, **Merchant A**, Rosner BA, Stampfer MJ, Willett WC, Ascherio A; Fish Consumption and risk of stroke in Men. *JAMA* 2002; 288(24).
84. **Merchant AT**, Pitiphat W. Directed acyclic graphs (DAGs): An aid to assess confounding in dental research. *Journal of Community Dentistry and Oral Epidemiology* 2002: 30(6).
85. Shah SM, **Merchant AT**, Luby SP, Chotani RA. Addicted schoolchildren: prevalence and characteristics of areca nut chewers among primary school children in Karachi, Pakistan. *J Paediatr Child Health.* 2002;38(5): 507-510.
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RESEARCH PROJECTS/GRANTS RECEIVED:

2015-2019 1R01MD009738-01 NIMHD, Periodontal Treatment to Eliminate Minority Inequality and Rural Disparities in Stroke: PREMIERS study (R01), **Co-I: Merchant**, (PI: Sen),

2013-2015 NIDCR, 1R03DE022785-01A1, Marginal Structural Models for Periodontal Treatment effects on A1C in Diabetes, **Principal Investigator**

2013 (Jan-Dec) American Diabetes Association, Relation between fasting plasma glucose, insulin and periodontal microorganisms, **Principal Investigator**

2013-2015 Social Science and Humanities Research Council (Canada), Partnership Development Grant, The impact of socio-economic and cultural factors on household food insecurity of refugees: a comparative study of Afghan refugees residing in Iran and Canada, **Co-Investigator**

2011-2015 American Diabetes Association, Periodontal Microorganisms and Markers of Cardiovascular Disease in Youth, **Principal Investigator**

2011-2012 University of South Carolina Research Foundation, The Role of Periodontal Microorganisms in Adverse Pregnancy Outcomes, **Co-Principal Investigator**

2010-2015 NIH, CDC, SEARCH for Diabetes in Youth 3: South Carolina Center, **Principal Investigator**

2009-2010, NIH, CDC, SEARCH for Diabetes in Youth 2: South Carolina Center, **Principal Investigator**

2008-2009, NIH, CDC, SEARCH for Diabetes in Youth 2: South Carolina Center, **Co-Investigator**

2008-2009, University of South Carolina Research Foundation, Periodontitis in Children with Diabetes in South Carolina: SEARCH for Diabetes in Youth Ancillary Study, **Principal Investigator**

2009, Department of Health and Human Services, Disparities Experienced by Poor and Minority Populations, Health Resources Services Administration, **Co-Investigator**

2006-2008, Social Sciences and Humanities Research Council, Ottawa, Canada Principal Investigator, Dietary and lifestyle determinants of obesity in Canada, **Principal Investigator**

2004-2005, Hamilton Health Sciences Foundation, McMaster University, Childhood Obesity in Hamilton, **Principal Investigator**

2007-2010, Social Sciences and Humanities Research Council, Ottawa, Canada, The impact of early life experience and parental roles on the development of childhood obesity, **Co-Investigator**

2006-2009, Heart and Stroke Foundation of Canada, Grant-in-Aid funding, EPIDREAM, **Co-Investigator**

2005-2008, Heart and Stroke Foundation of Canada, Grant-in-Aid funding, INTERHEART, **Co-Investigator**

PENDING GRANTS:

PI: Merchant, VA Merit, Casual models to evaluate periodontal treatment effects on cardiovascular disease

PI: Merchant, NIH, Prospective analysis of antibodies against periodontal microbes and mortality (R03)

SUBMITTED GRANTS NOT FUNDED:

PI: Merchant, NIH, The effect of reducing hunger on health care utilization and expenditures

PI: Merchant, NIH, Correction of selection bias in an RCT of periodontal treatment and preterm birth (R03)