

CURRICULUM VITAE
The Johns Hopkins University School of Medicine

Rita R. Kalyani

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Rita Rastogi Kalyani, MD, MHS

DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointments

University

- 2016- present Associate Professor, Department of Medicine, Division of Endocrinology, Diabetes, & Metabolism, Johns Hopkins University School of Medicine, Baltimore, MD
- 2011- present Editor-in-Chief, Johns Hopkins Diabetes Point-of-Care Information Technology Guide
- 2012- present Core Faculty, Johns Hopkins Center on Aging and Health
- 2013- present Associate Faculty, Welch Center for Prevention, Epidemiology, and Clinical Research
- 2015- present Director of the Metabolic Studies Unit, The GeneSTAR Research Center
- 2016- present Editor-in-Chief, Johns Hopkins Patient Guide to Diabetes Website
- 2020- present Medical Director, Blossom Diabetes Management Program, Johns Hopkins HealthCareSolutions
- 2022- present Member, Johns Hopkins Medicine Institutional Review Board #3

Hospital

- 2010- present Attending Physician, Johns Hopkins Hospital
- 2011- present Director, Diabetes Management Service, Johns Hopkins Total Pancreatectomy Islet Auto Transplant Program

Other

- 2018- present President, American Diabetes Association's Maryland Community Leadership Board of Directors
- 2019- present Member, Food and Drug Administration's Endocrinologic and Metabolic Drugs Advisory Committee
- 2021- present Diabetes Consultant, Maryland Department of Health's Cancer and Chronic Disease Bureau
- 2021- present Standing Study Section Member, Diabetes, Endocrinology and Metabolic Diseases Study Section-B (DDK-B), NIDDK Initial Review Group, National Institutes of Health

Personal Data

Business Address	1830 East Monument Street
Division of	Endocrinology, Diabetes, & Metabolism
Department of	Medicine
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Education and Training

Undergraduate

- 1999 B.A., Harvard College, Cambridge, MA
Concentration in neurobiology; graduated magna cum laude with highest honors

Doctoral/Graduate

- 2003 M.D., Johns Hopkins University, Baltimore, MD
- 2009 M.H.S., Clinical Investigation, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD;
inducted into Delta Omega public health academic honor society

Postdoctoral

- 2003-2004 Intern, Internal Medicine, Johns Hopkins Hospital, Baltimore, MD

2004-2006 Resident, Internal Medicine, Johns Hopkins Hospital, Baltimore, MD
2006-2010 Fellowship, Endocrinology, Diabetes, & Metabolism, Johns Hopkins Hospital, Baltimore, MD

Professional Experience

Summer 2000 Health Policy Fellow, Subcommittee on Public Health and Office of Senator Bill Frist, M.D., Capitol Hill, Washington DC
2010-2016 Assistant Professor, Department of Medicine, Division of Endocrinology, Diabetes, & Metabolism, Johns Hopkins University School of Medicine, Baltimore, MD
2012- present Core Faculty, Center on Aging and Health, Johns Hopkins Medical Institutions, Baltimore, MD
2013- present Associate Faculty, Welch Center for Prevention, Epidemiology and Clinical Research, Johns Hopkins University School of Medicine, Baltimore, MD
2016- present Associate Professor, Department of Medicine, Division of Endocrinology, Diabetes, & Metabolism, Johns Hopkins University School of Medicine, Baltimore, MD

PUBLICATIONS (H-index 46)

Original Research [OR]

1. Gebo K*, **Kalyani R***, Moore R, Polydefkis M. The Incidence of, Risk Factors for, and Sequelae of Herpes Zoster among HIV Patients in the Highly Active Antiretroviral Therapy Era. *Journal of Acquired Immune Deficiency Syndrome*. 2005; 40:169-74. *joint first authorship
2. Saudek C, Derr R, **Kalyani RR**. Assessing glycemia in diabetes using self-monitoring blood glucose and hemoglobin A1c. *Journal of the American Medical Association*. 2006; 295:1688-97.
3. **Kalyani RR**, Franco M, Dobs AS, Ouyang P, Vaidya D, Bertoni A, Gapstur S, Golden S. The Association of Endogenous Sex Hormones, Adiposity, and Insulin Resistance with Incident Diabetes in Postmenopausal Women. *Journal of Clinical Endocrinology and Metabolism*. 2009; 94: 4127-4135.
4. **Kalyani RR**, Saudek C, Brancati F, Selvin E. Association of Diabetes, Comorbidities, and Hemoglobin A1c with Functional Disability in Older Adults: Results from the National Health and Nutrition Examination Surveys 1999-2006. *Diabetes Care*. 2010; 33:1055-60
5. **Kalyani RR**, Stein B, Valiyil R, Manno R, Maynard J, Crews D. Vitamin D Treatment for the Prevention of Falls in Older Adults: Systematic Review and Meta-Analysis. *J Am Geriatr Soc*. 2010; 58: 1299-1310.
6. **Kalyani RR**, Metter E, Ramachandran R, Chia C, Saudek C, Ferrucci L. Glucose and insulin measurements from the oral glucose tolerance test and relationship to muscle mass. *J Gerontol A Biol Sci Med Sci*. 2012; 67: 74-81.
7. **Kalyani RR**, Varadhan R, Weiss C, Fried L, Cappola A. Frailty Status and Altered Glucose-Insulin Dynamics. *J Gerontol A Biol Sci Med Sci*. 2012; 67: 1300-6. *Accompanying Editorial: Halter JB. Diabetes Mellitus in an Aging Population: The Challenge Ahead. *J Gerontol A BiolSci Med Sci*. 2012; 67: 1297-9.
8. **Kalyani RR**, Varadhan R, Weiss C, Fried L, Cappola A. Frailty Status and Altered Dynamics of Circulating Energy Metabolism Hormones After Oral Glucose in Older Women. *Journal of Nutrition, Health and Aging*. 2012; 16: 679-686.
9. Xue Q, Bandeen-Roche K, Chaves P, Dam T, **Kalyani RR**, Mielenz T, Ornstein K, RoyChoudhury A, Spleki C, Szanton S, Thorpe R, Varadhan R, Yao W, Fried L. Patterns of 12-Year Change in Physical Activity Levels in Community-Dwelling Older Women: Can Modest Levels of Physical Activity Help Older Women Live Longer? *American Journal of Epidemiology*. 2012; 176: 534-43.
10. **Kalyani RR**, Tian J, Xue Q, Walston J, Cappola A, Fried L, Brancati F, Blaum C. Hyperglycemia and Incidence of Frailty and Lower Extremity Mobility Limitations in Older Women. *J Am Geriatr Soc*. 2012; 60: 1701-7.
11. **Kalyani RR**, Tra Y, Yeh H, Egan J, Ferrucci L, Brancati F. Quadriceps Strength, Quadriceps Power, and Gait Speed in Older U.S. Adults with Diabetes: Results from the National Health and Nutrition Examination Survey (NHANES), 1999-2002. *J Am Geriatr Soc*. 2013; 61:769-75.
12. **Kalyani RR**, Lazo M, Ouyang P, Turkbey E, Chevalier K, Brancati F, Becker D, Vaidya D. Sex Differences in Diabetes and Risk of Incident Coronary Artery Disease in Healthy Young and Middle-Aged Adults. *Diabetes Care*. 2014; 37: 830-8.
13. **Kalyani RR**, Tra Y, Egan J, Ferrucci L, Brancati F. Hyperglycemia is Associated with Relatively Lower Lean Body Mass in Older Adults. *Journal of Nutrition, Health and Aging*. 2014; 18: 737-43.
14. Corriere M, Yao W, Xue Q, Cappola A, Fried L, Thorpe R, Szanton S, **Kalyani RR**. The Association of

- Neighborhood Characteristics with Obesity and Metabolic Conditions in Older Women. *Journal of Nutrition, Health and Aging*. 2014; 18: 792-8.
15. Corriere M, Minang L, Sisson S, Brancati F, **Kalyani RR**. The Use of Clinical Guidelines Highlights Ongoing Educational Gaps in Physicians' Knowledge and Decision Making Related to Diabetes. *BMC Medical Education*. 2014; 14: 186.
 16. **Kalyani RR**, Metter E, Egan J, Golden S, Ferrucci L. Hyperglycemia Predicts Persistently Lower Muscle Strength with Aging. *Diabetes Care*. 2015; 38: 82-90.
 17. Ward B, Wenzel A, **Kalyani RR**, Agrawal Y, Feng A, Polydefkis M, Ying H, Schubert M, Zuniga G, Della Santina C, Carey J. Characterization of Vestibulopathy in Individuals with Type 2 Diabetes Mellitus. *Otolaryngology - Head and Neck Surgery*. 2015; 153: 112-8.
 18. Shardell M, Semba R, **Kalyani RR**, Hicks G, Bandinelli S, Ferrucci L. Serum 25-Hydroxyvitamin D, Plasma Klotho, and Lower-Extremity Physical Performance Among Older Adults: Findings from the InCHIANTI Study. *J Gerontol A BiolSci Med Sci*. 2015; 70: 1156-62.
 19. **Kalyani RR**, Kim C, Ferrucci L, Laughlin G, Kritiz-Silverstein D, Kong S, Nan B, Barrett-Connor E. Sex Differences in the Longitudinal Association of Hyperglycemia with Lower Grip Strength in Older Adults: The Rancho Bernardo Study, *BMJ Open Diabetes Research & Care*. 2015; 3:e000086.
 20. **Kalyani RR**, Rodriguez D, Yeh H, Golden S, Thorpe R. Diabetes, Race, and Functional Limitations in Older U.S. Men and Women. *Diab Res Clin Practice*. 2015; 108: 390-7.
 21. John G, Singh V, Pasricha P, Makary M, Hirose K, Desai N, Walsh C, **Kalyani RR**, Hall E, Sun Z, Warren D, Stein E. Delayed Gastric Emptying (DGE) Following Total Pancreatectomy with Islet Auto Transplantation in Patients with Chronic Pancreatitis. *Journal of Gastrointestinal Surgery*. 2015; 19:1256-61.
 22. **Kalyani RR**, Yeh HC, Clarke J, Weisfeldt M, Choi T, MacDonald S. Sex Differences Among Career Development Awardees in the Attainment of Independent Research Funding in a Department of Medicine. *J Womens Health (Larchmt)*. 2015; 24: 933-9.
 23. Bandeen-Roche K, Seplaki C, Huang J, Buta B, **Kalyani RR**, Varadhan R, Xue QL, Walston J, Kasper J. Frailty in Older Adults: A Nationally Representative Profile in the United States. *J Gerontol A Biol Sci Med Sci*. 2015; 70: 1427-34.
 24. Shardell M, Semba RD, **Kalyani RR**, Rosano C, Bandinelli S, Chia CW, Ferrucci L. Plasma Klotho and Cognitive Decline in Older Adults: Findings from the InChianti Study. *J Gerontol A BiolSci Med Sci*. 2016; 71: 677-82.
 25. Roopnarinesingh N, Brennan N, Khan C, Ladenson P, Hill-Briggs F, **Kalyani RR**. Barriers to Optimal Diabetes Care in Trinidad: A Healthcare Professionals' Perspective. *BMC Health Services Research*. 2015; 15: 396.
 26. Xu X, Yadav NN, Knutsson L, Hua J, **Kalyani RR**, Hall E, Lattera J, Blakeley J, Pomper M, Barker P, Chan K, Liu G, McMahon MT, Stevens R, Van Zijl PC. Dynamic Glucose-Enhanced (DGE) MRI: Translation to Human Scanning and First Results in Glioma Patients. *Tomography*. 2015; 1: 105-114.
 27. Buta B, Walston J, Godino J, Park M, **Kalyani RR**, Xue Q, Bandeen-Roche K, Varadhan R. Frailty Assessment Instruments: Systematic Characterization of the Uses and Contexts of Highly-Cited Instruments. *Ageing Res Rev*. 2016; 26: 53-61.
 28. Williams M, Cushman M, Ouyang P, Heckbert S, **Kalyani RR**, Vaidya D. Association of serum sex hormone levels with hemostatic factors in women on and off hormone therapy: the Multi-Ethnic Study of Atherosclerosis. *J Womens Health*. 2016; 25: 166-72.
 29. Schneider AL, **Kalyani RR**, Golden S, Stearns SC, Wruck L, Yeh HC, Coresh J, Selvin ES. Diabetes and Prediabetes and Risk of Hospitalization: the Atherosclerosis Risk in Communities (ARIC) Study. *Diabetes Care*. 2016; 39: 772-9.
 30. Joseph JJ, Tcheugui JBE, **Kalyani RR**, Yeh H, Bertoni AG, Effoe VS, Casonova, R, Sims M, Correa A, Wu, W, Wand GS, Golden SH. Aldosterone, Renin and Diabetes Mellitus in African Americans: The Jackson Heart Study. *J Clin Endocrinol Metab*. 2016; 101: 1770-8.
 31. Xue Q, Tian J, Fried L, **Kalyani RR**, Varadhan R, Walston J, Bandeen-Roche K. Physical Frailty Assessment: Can Simplification Be Achieved without Loss of Syndrome Measurement Validity? *Am J Epidemiol*. 2016; 183: 1037-44.
 32. Godino J, Appel L, Gross A, Schrack J, Parrinello C, **Kalyani RR**, Windham B, Pankow J, Kritchevsky S, Bandeen-Roche K, Selvin E. Diabetes, hyperglycemia, and the burden of functional disability among older adults in a community-based study. *J Diabetes*. 2017; 9: 76-84.
 33. Chaudhry ZW, Doshi RS, Mehta AK, Jacobs DK, Vakil RM, Lee CJ, Bleich SN, **Kalyani RR**, Clark JM,

- Gudzune KA A systematic review of commercial weight loss programmes' effect on glycemic outcomes among overweight and obese adults with and without type 2 diabetes mellitus. *Obes Rev.* 2016; 17: 758-69.
34. Yanek L, Vaidya D, Kral BG, **Kalyani RR**, Moy T, Stewart KJ, Becker DM. The Impact of Self-Preference Community Fitness Interventions in High Risk African Americans. *Fam Community Health.* 2016; 39: 251-62.
 35. Kral B, Becker D, Becker L, Fishman E, Mathias R, Yanek L, Zhang Y, **Kalyani RR**, Vaidya D. Relation of Plasma Lipoprotein(a) to Subclinical Coronary Plaque Volumes, Three-Vessel and Left Main Coronary Disease, and Severe Coronary Stenosis in Apparently Healthy African Americans. *American Journal of Cardiology.* 2016; 118:656-61.
 36. Farag Y, Guallar E, Zhao D, **Kalyani RR**, Blaha MJ, Feldman DI, Martin S, Lutsey PL, Billups K, Michos E. Vitamin D deficiency is independently associated with greater prevalence of erectile dysfunction: the National Health and Nutrition Examination Survey (NHANES) 2001-2004. *Atherosclerosis.* 2016; 252: 61-67.
 37. Mongraw-Chaffin, M, Foster MC, **Kalyani RR**, Vaidya D, Burke GL, Woodward M, Anderson C. Obesity severity and duration are associated with incident metabolic syndrome: Evidence Against Metabolically healthy obesity from the Multi-Ethnic Study of Atherosclerosis. *J Clin Endocrinol Metab.* 2016; 101: 4117-4124.
 38. Buta B, Choudhury P, Xue Q, Chaves P, Bandeen-Roche K, Shardell M, Semba R., Walston J, Michos E, Appel L, McAdams-DeMarco M, Gross A, Yasar S, Ferrucci L, Fried L, **Kalyani RR**. The Association of Vitamin D Deficiency and Incident Frailty in Older Women: The Role of Cardiometabolic Diseases. *J Am Geriatr Soc.* 2017; 65: 619-624.
 39. Yalamanchi S, Stewart KJ, Ji N, Golden SH, Dobs A, Becker DM, Vaidya D, Kral B, **Kalyani RR**. The Relationship of Fasting Hyperglycemia to Changes In Fat and Muscle Mass After Exercise Training in Type 2 Diabetes. *Diab Res Clin Practice*, 2016; 122:154-161.
 40. McAdams-DeMarco M, Ying H, Olorundare I, King E, Buta B, Gross A, **Kalyani RR**, Desai N, Dagher N, Lonze B, Montgomery RA, Bandeen-Roche K, Walston J, Segev D. Individual Frailty Components and Mortality In Kidney Transplant Recipients. *Transplantation*, 2017; 101: 2126-2132.
 41. Fabbri E, Chia, CW, Spencer RG, Fishbein KW, Reiter DA, Zane A, Moore Z, Gonzalez-Freire M, Zoli M, Studenski SA, **Kalyani RR**, Egan J, Ferrucci L. Insulin Resistance is Associated with Reduced Mitochondrial Oxidative Capacity Measured by 31P- Magnetic Resonance Spectroscopy in Participants Without Diabetes from the Baltimore Longitudinal Study of Aging. *Diabetes.* 2017; 66:170-176.
 42. Quartuccio M, Hall E, Singh V, Makary MA, Hirose K, Desai N, Walsh C, Warren D, Sun Z, Stein E, **Kalyani RR**. Glycemic Predictors of Insulin Independence after Total Pancreatectomy with Islet Auto Transplantation. *J Clin Endocrinol Metab.* 2017; 102: 801-809. **Selected as Editor's Choice
 43. Zhao D, Ouyang P, De Boer I, Lutsey PL, Farag Y, Guallar E, Siscovick D, Post W, **Kalyani RR**, Billups K, Michos ED. Serum Vitamin D and Sex Hormones Levels in Men and Women: The Multi-Ethnic Study of Atherosclerosis (MESA). *Maturitas.* 2017; 96: 95-102.
 44. John G, Singh VK, Pasricha PJ, Warren D, Sun Z, Desai N, Walsh C, **Kalyani RR**, Hall E, Hirose K, Makary M, Stein E. Chronic Gastrointestinal Dysmotility and Pain Following Total Pancreatectomy with Islet Autotransplantation for Chronic Pancreatitis. *J Gastrointest Surg.* 2017; 21: 622-627.
 45. Fan C, Hanna M, Hirose K, Singh V, Walsh C, **Kalyani RR**, Warren D, Quartuccio M, Sun Z, Desai N, Makary M. Laparoscopic Total Pancreatectomy Islet Autotransplantation with Intraoperative Islet Separation as a Treatment for Patients with Chronic Pancreatitis. *JAMA Surgery.* 2017; 152: 550-556.
 46. Effoe V, Wagenknecht L, Echouffo Tcheugui J, Chen H, Joseph J, **Kalyani RR**, Bell R, Wu W, Casanova R, Bertoni AG. Sex Differences in the Association Between Insulin Resistance and Incident Coronary Heart Disease and Stroke Among Blacks without Diabetes: The Jackson Heart Study. *JAHA*, 2017; 6: e004229.
 47. Palta P, Huang ES, **Kalyani RR**, Golden SH, Yeh HC. Hemoglobin A1C and Mortality in Older Adults With and Without Diabetes: Results from the National Health and Nutrition Examination Survey (1988-2011). *Diabetes Care.* 2017; 40: 453-460.
 48. **Kalyani RR**, Ji N, Carnethon M, Bertoni AG, Selvin ES, Gregg EW, Sims M, Golden SH. Diabetes, Depressive Symptoms, and Functional Disability in African Americans: The Jackson Heart Study. *J Diabetes Complications.* 2017; 31: 1259-1265.
 49. Lee C, Iyer G., Liu Y, **Kalyani RR**, Bamba N, Ligon CB, Varma S, Mathioudakis N. The Effect of Vitamin D Supplementation on Glucose Metabolism in Type 2 Diabetes Mellitus: A Systematic Review and Meta-analysis of Intervention Studies. *J Diabetes Complications.* 2017; 31: 1115-1126.
 50. Echouffo-Tcheugui JB, Allison M, **Kalyani RR**, Sims M, Bertoni A, Golden SH. Abdominal Aortic

Calcification among Individuals with and Without Diabetes: The Jackson Heart Study. *Diabetes Care*. 2017; 40: e106-e107.

51. Joseph JJ, Echouffo-Tcheugui JB, **Kalyani RR**, Yeh H, Bertoni A, Effoe V, Casanova R, Sims M, Wu W, Wand G, Golden SH. Aldosterone, Renin, Cardiovascular Events and All-Cause Mortality among African Americans: The Jackson Heart Study, *JACC: Heart Failure*. 2017; 5: 642-651.
52. Kim C, Dabelea D, **Kalyani RR**, Christophi CA, Bray GA, Pi-Sunyer X, Darwin CH, Yalamanchi S, Barrett-Connor E, Golden SH, Boyko EJ. Changes in Visceral Adiposity, Subcutaneous Adiposity, and Sex Hormones in the Diabetes Prevention Program. 2017; 102: 3381-3389.
53. Moran RA, Klaphek R, John G, Devlin S, Warren D, Desai N, Sun Z, Walsh C, **Kalyani R**, Hall E, Stein EM, Kalloo A, Zaheer A, Hirose K, Makary M, Singh V. Prevalence and Predictors of Pain and Opioid Analgesic Use Following Total Pancreatectomy with Islet Autotransplantation for Pancreatitis. *Pancreatology*. 2017:732-737.
54. Shardell M, Semba R, **Kalyani RR**, Bandinelli S, Prather A, Chia C, Ferrucci L. Plasma klotho and frailty in older adults: Findings from the InCHIANTI Study. *J Gerontol A Biol Sci Med Sci*. 2019; 74: 1052-1057.
55. Quartuccio M, Simonsick EM, Langan S, Harris T, Sudore RL, Thorpe R, Rosano C, Hill-Briggs F, Golden S, **Kalyani RR**. The relationship of health literacy to diabetes status differs by sex in older adults. *J Diabetes Complications*. 2018; 32:368-372.
56. Bell RA, Chen H, Saldana S, Bertoni A, Effoe V, Hairston K, **Kalyani RR**, Norwood A. Comparison of measures of adiposity and cardiovascular disease risk factors among African American adults: The Jackson Heart Study. *J Racial Ethn Health Disparities*. 2018; 5:1230-1237.
57. Mongraw-Chaffin M, Foster MC, Anderson CAM, Burke GL, Haq N, **Kalyani RR**, Ouyang P, Sibley CT, Tracy R, Woodward M, Vaidya D. Metabolically Healthy Obesity, Transition to Metabolic Syndrome, and Cardiovascular Risk. *J Am Coll Cardiol*. 2018; 71: 1857-1865.
58. Quartuccio M, Minang L, **Kalyani RR**. Patient Preferences and Internet Use for Diabetes Education Differs by Age. *J Diabetes Complications*, 2018; 32:726-727.
59. Kral BG, Becker DM, Yanek LR, Vaidya D, Mathias RA, Becker LC, **Kalyani RR**. The relationship of family history and risk of type 2 diabetes differs by ancestry. *Diabetes Metab*. 2019; 45: 261-267.
60. Michos ED, Mitchell CM, Miller ER, Sternberg AL, Juraschek SP, Schrack JA, Szanton SL, Walston JD, **Kalyani RR**, Plante TB, Christenson RH, Shade D, Tonascia J, Roth DL, Appel LJ; STURDY Collaborative Research Group. Rationale and Design of the Study to Understand Fall Reduction and vitamin D in You (STURDY): A Randomized Clinical Trial of Vitamin D Supplement Doses for the Prevention of Falls in Older Adults. *Contemp Clin Trials*. 2018; 73:111-122.
61. Irmakci I, Hussein S, Savran A, **Kalyani RR**, Reiter D, Chia C, Fishbein K, Spencer R, Ferruci L, Bagci U. A Novel Extension to Fuzzy Connectivity for Body Composition Analysis: Applications in Thigh, Brain, and Whole Body Tissue Segmentation. *IEEE Transactions on Biomedical Engineering*. 2019; 66: 1069-1081.
62. Al-Sofiani ME, Yanek LR, Faraday N, Kral BG, Mathias R, Becker LC, Becker DM, Vaidya D, **Kalyani RR**. Diabetes and Platelet Response to Low-Dose Aspirin. *J Clin Endocrinol Metab* 2018; 103:4599-4608.
63. Kim C, Ricardo AC, Boyko EJ, Christophi CA, Tempresa M, Watson KE, Pi-Sunyer X, **Kalyani RR**; Diabetes Prevention Program Research Group. Sex hormones and measures of kidney function in the Diabetes Prevention Program Outcomes Study. *J Clin Endocrinol Metab*. 2019; 104: 1171-1180.
64. Knuttson L, Seidemo A, Scherman Rydhog A, Markenroth Bloch K, **Kalyani R**, Anderson M, Sundgren P, Wirestam R, Helms G, Van Zijl P, Xu X. Arterial input functions and tissue response curves in dynamic glucose enhanced (DGE) imaging: Comparison between glucoCEST and blood glucose sampling in humans. *Tomography*. 2018; 4: 164-171.
65. Ortiz R, Kluwe B, Odei J, Echouffo-Tcheugui JB, Sims M, **Kalyani RR**, Bertoni AG, Golden SH, Joseph JJ. The Association of Morning Serum Cortisol with Glucose Metabolism and Diabetes: The Jackson Heart Study Journal. *Psychoneuroendocrinology*. 2019; 103:25-32.
66. He KY, Li X, Kelly TN, Liang J, Cade BE, Assimes TL, Becker LC, Beitelshes AL, Bress AP, Chang YC, Chen YI, de Vries PS, Fox ER, Franceschini N, Furniss A, Gao Y, Guo X, Haessler J, Hwang SJ, Irvin MR, **Kalyani RR**, Liu CT, Liu C, Martin LW, Montasser ME, Muntner PM, Mwasongwe S, Palmas W, Reiner AP, Shimbo D, Smith JA, Snively BM, Yanek LR, Boerwinkle E, Correa A, Cupples LA, He J, Kardia SLR, Kooperberg C, Mathias RA, Mitchell BD, Psaty BM, Vasan RS, Rao DC, Rich SS, Rotter JI, Wilson JG; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium, TOPMed Blood Pressure Working Group, Chakravarti A, Morrison AC, Levy D, Arnett DK, Redline S, Zhu X. Leveraging linkage evidence to identify low frequency and rare variants on 16p13 associated with blood pressure using TOPMed whole genome

- sequencing data. *Hum Genet.* 2019; 138: 199-210.
67. Echouffo-Tcheugui JB, Chen H, **Kalyani RR**, Sims M, Simpson S, Effoe V, Correa A, Bertoni AG, Golden SH. Glycemic Markers and Subclinical Cardiovascular Disease Among African-Americans: The Jackson Heart Study. *Circulation: Cardiovascular Imaging.* 2019; 12:e008641.
 68. Apolzan JW, Venditti EM, Edelstein SL, Knowler WC, Dabelea D, Boyko EJ, Pi-Sunyer X, **Kalyani RR**, Franks PW, Srikanthan P, Gadde K. "Long-term Weight Loss with Metformin or Lifestyle Intervention in the Diabetes Prevention Program Outcomes Study. *Ann Intern Med.* 2019; 170: 682-690.
 69. Kesireddy V, Tan Y, Kline D, Brock G, Odei JB, Kluwe B, Effoe VS, Echouffo Tcheugui JB, **Kalyani RR**, Sims M, Taylor HA, Mongraw-Chaffin M, Akhabue E, Joseph JJ. The Association of Life's Simple 7 with Aldosterone among African Americans in the Jackson Heart Study. *Nutrients.* 2019; 11(5).
 70. Bandeen-Roche K, Gross AL, Varadhan R, Buta B, Carlson MC, Huisingh-Scheetz M, McAdams-DeMarco M, Piggott DA, Brown TT, Hasan RK, **Kalyani RR**, Seplaki CL, Walston JD, Xue QL. Principles and Issues for Physical Frailty Measurement and its Clinical Application. *J Gerontol A Biol Sci Med Sci.* 2020; 75:1107-1112.
 71. Perreault L, Pan Q, Schroeder EB, **Kalyani RR**, Bray GA, Dagogo-Jack S, White NH, Goldberg, RB, Kahn SE, Knowler WC, Mathioudakis N, Dabelea D, for the Diabetes Prevention Program Research Group. Regression From Prediabetes to Normal Glucose Regulation and Prevalence of Microvascular Disease in the Diabetes Prevention Program Outcomes Study (DPPOS). *Diabetes Care.* 2019; 42: 1809-1815.
 72. Trisler MJ, Kruer RM, Jarrell AS, Faghih M, Walsh CM, Singh VK, Hall E, **Kalyani RR**, Makary MA, Hatfield LA. Microbial Contamination, Infection, and Antimicrobial Use During Total Pancreatectomy With Islet Autotransplantation. *Pancreas.* 2019; 48: 1050-1055.
 73. Varadhan R, Russ D, Gabr R, Huang J, **Kalyani RR**, QL Xue, Cappola A, Bandeen-Roche K, Weiss C, Fried LP. Relationship of frailty to phosphocreatine recovery in muscle after mild exercise stress in the oldest-old women. *J Frailty and Aging, J Frailty Aging.* 2019; 8:162-168.
 74. Shardell M, Drew DA, Semba RD, Harris TB, Cawthon PM, Simonsick EM, **Kalyani RR**, Schwartz AV, Kritchevsky SB, Newman AB, for the Health ABC Study. Plasma alpha-Klotho, serum fibroblast growth factor 23, and mobility disability in community-dwelling older adults. *J Endocr Soc,* 2020; 4 (5):bvz032.
 75. Ahmed S, Bellamkonda S, Wang J, Zilbermint M, **Kalyani RR**. Effects of the Low Carbohydrate, High Fat Diet on Glycemic Control and Body Weight in Patients with Type 2 Diabetes: Experience from a Community-Based Cohort. *BMJ Open Diabetes Research & Care,* 2020; 8(1): e000980.
 76. Sur S, Lin Z, Li Y, Yasar S, Rosenberg P, Moghekar A, Hou X, **Kalyani RR**, Hazel K, Pottanat G, Xu C, Van Zijl P, Pillai J, Liu P, Albert M, Lu H. Association of cerebrovascular reactivity and Alzheimer pathologic markers with cognitive performance. *Neurology.* 2020; 95(8): e962-e972.
 77. **Kalyani RR**, Metter EJ, Xue QL, Egan JM, Chia CW, Studenski S, Shaffer NC, Golden SH, Al-Sofiani M, Florez H, Ferrucci L. The Relationship of Lean Body Mass with Aging to the Development of Diabetes. *J Endocr Soc.* 2020; 4 (7): bvaa043.
 78. Faghih M, Noë M, Mannan R, Kamel IR, Zaheer A, **Kalyani RR**, Hall E, Afghani E, Warren D, Desai N, Sun Z, Walsh C, Makary MA, Goggins M, Hruban RH, He J, Singh VK. Pancreatic volume does not correlate with histologic fibrosis in adult patients with recurrent acute and chronic pancreatitis. *Pancreatology.* 2020; 20:1078-1084.
 79. DeBarmore B, Longchamps RJ, Zhang Y, **Kalyani RR**, Guallar E, Arking DE, Selvin E, Young JH. Mitochondrial DNA copy number and diabetes: The Atherosclerosis Risk in Communities (ARIC) Study. *BMJ Open Diabetes Res Care.* 2020; 8(1): e001204.
 80. Baksh SN, Segal JB, McAdams-DeMarco M, **Kalyani RR**, Alexander GC, Ehrhardt S. Dipeptidyl peptidase-4 inhibitors and cardiovascular events in patients with type 2 diabetes, without cardiovascular or renal disease. *PLoS One.* 2020; 15(10):e0240141.
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Letters, Correspondence [LT]

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White Papers [WP]

- Kalyani RR**, drafted on behalf of the Diabetes Outreach Program -- Trinidad and Tobago Health Sciences Initiative. The State of Individuals with Diabetes and Their Healthcare in the South-West Region of Trinidad and Tobago: A White Paper Prepared for The Ministry of Science, Technology, and Tertiary Education & The Ministry of Health, Trinidad and Tobago. Baltimore, MD: Johns Hopkins Medicine, 2011.
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Media Releases or Interviews [MR]

- Invited Radio Guest, ReachMD XM radio, “Insulin Optimization: Refining Regimens to Improve Glycemic Control” (11/24/10): <https://reachmd.com>
- Invited Radio Guest, Johns Hopkins Health Newsfeed Podcasts (broadcasted on WYPR/NPR), available at: <http://podcasts.hopkinsmedicine.org/category/podcasts/health-newsfeed/>:
 - "Beans and Blood Sugar" (11/8/11)
 - "No Help" (11/9/11)
 - "Beans or Bread" (11/7/12)
 - "New Diabetes Drug" (4/11/13)
 - "New Diabetes Med" (4/12/13)
 - "Diet and Diabetes" (11/1/13)
 - "Diabetes Med" (3/14/14)
 - "Insulin Risk" (6/20/14)
 - "Inhaled Insulin" (6/24/14)
 - "Insulin Expense" (6/25/14)
 - "Avoiding Diabetes" (3/17/15)
 - "Artificial Pancreas" (3/18/15)
 - "Intensive Glucose Control" (7/1/15)
 - "Diabetes Drop" (1/18/16)
 - "Genes and Diabetes" (7/29/16)
 - "Test Strips" (6/23/17)
 - "Food Pharmacy" (6/26/17)
 - "Walkability and Diabetes" (10/11/17)
 - "Artificial Sweeteners and Diabetes" (10/12/17)
 - "Diabetes Management" (1/8/17)
 - "Generic Insulin" (1/9/17)
 - "Five Categories" (4/5/18)
 - "Fall Prevention" (4/6/18)
 - "Fasting and Insulin" (11/21/18)
 - "Diabetes and Fasting" (11/22/18)
 - "Bariatric Surgery and Heart Disease" (11/23/18)

- "Emergency and Diabetes" (2/18/19)
 "Insulin Prices" (2/19/19)
 "Better Insulin?" (2/20/19)
 "Speaking Up" (2/21/19)
 "Heart Failure and Diabetes Drug" (10/14/19)
 "Double Dipping" (10/15/19)
 "Now Oral" (10/16/19)
 "Diabetes and Kidney Disease" (10/17/19)
 "Race and Diabetes" (02/05/20)
 "Cultural Messaging" (02/29/20)
 "Metformin and Cognition" (10/26/20)
 "Heart Failure Benefit" (10/27/20)
 "Diabetes Drugs but No Diabetes" (10/28/20)
 "Low Carb" (02/24/21)
 "What's a Low Carb?" (02/25/21)
 "Eating for Health" (02/26/21)
 "Prediabetes Significance" (03/01/21)
 "Dementia risk is impacted by how long someone has had diabetes" (05/21/21)
 "How are diabetes and dementia related?" (05/24/21)
 "Which medicine to treat type 2 diabetes is best for you?" (05/25/21)
 "Those who get diabetes at a young age also develop complications much earlier" (09/07/21)
 "Kids who develop type 2 diabetes early in life are at high risk for a host of complications" (09/08/21)
 "Are we poised for a flood of new type 2 diabetes cases among young people?" (09/09/21)
 "We're not getting any better at controlling diabetes in those who have it" (09/10/21)
 "How are worsening rates of diabetes related to the pandemic?" (09/13/21)
 "Should weight loss be first line therapy for type 2 diabetes?" (10/29/21)
 "Using waist circumference may be one simple way to stave off type 2 diabetes" (11/10/21)
 "What is the relationship between statin use and the development of diabetes?" (11/11/21)
 "How has use of insulin changed over the last five years in people with diabetes?" (11/22/21)
 "What happened to close management of diabetes requiring insulin during the pandemic?" (11/23/21)
 "What are the recommendations regarding the best insulin to manage diabetes?" (11/24/21)
 "Having Covid-19 may result in a new diagnosis of diabetes for some" (4/26/22)
 "Why is there an association between Covid-19 infection and new onset diabetes?" (4/27/22)
 "Who is at risk to develop diabetes after Covid infection?" (4/28/22)
 "Can a common diabetes medicine used by fathers impact their offspring?" (4/29/22)
 "Looking at medicines prospective fathers are taking may be as important as those being taken by prospective mothers" (4/30/22)
 "If you have type 2 diabetes but are not overweight, does losing weight still help?" (10/31/22)
 "How can weight loss help resolve type 2 diabetes?" (11/1/22)
 "Body mass index or BMI likely needs an update" (11/2/22)
 "Can a bionic pancreas improve management of type 1 diabetes?" (11/3/22)
 "Is there a virus involved in the development of type 1 diabetes?" (11/4/22)
3. Invited Television Guest, The Dr. Oz Show, "Oz Alert: Avandia Diabetes Pill" (10/8/10)
<https://thetvdb.com/series/the-dr-oz-show/episodes/3031571>
 4. Invited Radio Guest, The Diane Rehm Show, "The Looming Worldwide Diabetes Epidemic" (11/15/11).
<https://dianerehm.org/shows/2011-11-15/looming-worldwide-diabetes-epidemic>
 5. Invited Television Guest, The TODAY Show, "Bringing Diabetes to the Forefront" (11/13/13).
<https://www.today.com/health/bringing-diabetes-forefront-t118053>
 6. Invited Television Guest, CTV News, "Diabetes rates skyrocketing" (04/1/16)
<http://www.ctvnews.ca/video?clipId=844031>
 7. Invited Radio Guest, Med Clinic Radio, "Latest Guidelines for Diabetes" (05/03/21)
<https://www.talkzone.com/episodes/200/11270.html>
 8. Invited Television Guest, Washington Post Live, "Diabetes in America" (05/04/21)
<https://www.washingtonpost.com/washington-post-live/2021/05/04/diabetes-america/>

9. Invited Podcast Guest, Medscape InDiscussion Type 2 Diabetes Podcast, “High-Impact Type 2 Diabetes Treatment Guidelines” (03/22/22): <https://www.medscape.com/viewarticle/963267>
10. Invited Podcast Guest, Johns Hopkins Fighting Frailty Podcast, “Frailty and Diabetes in Older Adults” (09/02/22), <https://frailtyscience.org/podcast/frailty-and-diabetes-older-adults-dr-rita-r-kalyani>

Other Media [OM]

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2. “Diabetic women under 60 at higher risk of heart disease” Yahoo Health News. (11/2013) <https://in.news.yahoo.com/diabetic-women-under-60-higher-risk-heart-disease-044007012.html>.
3. "High HbA1c linked to low muscle strength" Endocrine Today. (11/2014). <http://www.healio.com/endocrinology/diabetes/news/online/%7B27216104-b9d8-42ea-a63f-0ccc4d56972e%7D/high-hba1c-linked-to-low-muscle-strength>
4. "Johns Hopkins Women and Men Score Equal Numbers of Key NIH Grants" (10/2015) <http://www.biosciencetechnology.com/articles/2015/10/johns-hopkins-women-and-men-score-equal-numbers-key-nih-grants>
5. “OGTT TESTING MAY HELP COUNSEL PATIENTS BEFORE TOTAL PANCREATECTOMY WITH ISLET AUTOTRANSPLANTATION” Managed Health Care Connect (12/16) <http://www.managedhealthcareconnect.com/content/ogtt-testing-may-help-counsel-patients-total-pancreatectomy-islet-autotransplantation>
6. "ADA Guidelines Embrace Heart Health" Clinical Endocrinology News (12/2017) <https://www.mdedge.com/type-2-diabetes-icymi/article/154658/diabetes/ada-guidelines-embrace-heart-health>
7. "Debate Persists in Treating Older Adults with Diabetes" Healio Family Medicine. (4/2018) <https://www.healio.com/family-medicine/diabetes/news/online/%7B4216df05-a7bf-457c-9b2e-409cbcb140a4%7D/debate-persists-in-treating-older-patients-with-diabetes>
8. "Aspirin plays important secondary prevention role against cardiovascular events in diabetes patients" ADA Daily. (06/2018) <https://www.adadaily.org/aspirin-plays-important-secondary-prevention-role-against-cardiovascular-events-in-diabetes-patients/>
9. “Age-related muscle loss may drive type 2 diabetes risk in men” Healio Endocrine Today (5/4/20) <https://www.healio.com/endocrinology/diabetes/news/online/%7Bf2dbf647-2d9f-4521-8801-885942b637e8%7D/age-related-muscle-loss-may-drive-type-2-diabetes-risk-among-men>
10. “Learn from an expert: How to limit cardiovascular disease among patients with diabetes” Cardiovascular Business (4/8/21) <https://www.cardiovascularbusiness.com/topics/practice-management/how-limit-cardiovascular-disease-patients-type-2-diabetes>
11. “Too many older Americans are taking daily aspirin” U.S. News & World Report (6/22/21) <https://www.usnews.com/news/health-news/articles/2021-06-22/too-many-older-americans-are-taking-daily-aspirin>
12. “Is Aspirin Overused in Older Patients with Diabetes?” Medscape News (6/16/21) <https://www.medscape.com/viewarticle/954915>
13. “If You're Over 70, Stop Taking This One Thing Every Day, Doctors Say” Yahoo! News (6/24/21) <https://www.yahoo.com/lifestyle/youre-over-70-stop-taking-194723970.html>
14. “Expensive Insulins, Pen Devices Dominate Diabetes Care in US” Medscape (10/12/21) <https://www.medscape.com/viewarticle/960688>
15. “Developing more biosimilar insulins could reduce costs for people with diabetes” Healio Endocrine Today <https://www.healio.com/news/endocrinology/20220607/developing-more-biosimilar-insulins-could-reduce-costs-for-people-with-diabetes>

FUNDING

EXTRAMURAL Funding

Research Extramural Funding - Current

- 9/30/17-8/31/23 Characterizing Resiliencies to Physical Stressors in Older Adults: A Dynamical Physiological Systems Approach
UH2/UH3AG056933
National Institute on Aging, NIH
PIs: Jeremy Walston, MD, Karen Bandeen-Roche, PhD, Ravi Varadhan, PhD
Role: Co-PI, Clinical/Physiological Core; Kalyani
To elucidate mechanisms and processes of resilience including various hormonal pathways within a general framework that emphasizes its dynamics and interactions.
- 9/15/20-6/30/24 The Effect of Sex Hormones on Cardio-metabolic Outcomes in Men and Women with Diabetes: The Look AHEAD (Action for Health in Diabetes) Study
R01DK127222
National Institute of Diabetes and Digestive and Kidney Diseases, NIH
PIs: Wendy Bennett, MD and Dhananjay Vaidya, MBBS, PhD
Role: Co-Investigator; Kalyani
The goal of this grant is to use The Look AHEAD (Action for Health In Diabetes) Study to examine the longitudinal association between endogenous sex hormones (testosterone, estradiol and sex hormone binding globulin) and cardiovascular disease risk factors in response to the intensive lifestyle intervention among men and women with type 2 diabetes.
- 9/16/20-7/31/25 Clinical, Radiologic and Biochemical Factors Related to Diabetes Development after Acute Pancreatitis
U01DK127400
National Institute of Diabetes and Digestive and Kidney Diseases, NIH
PIs: Vikesh Singh, MD, Rita Kalyani, MD, Zhaoli Sun, PhD
Role: Multi-PI; Kalyani
The goal of this grant is to form a clinical consortium of centers across the country that will undertake a prospective longitudinal observational clinical study to investigate the incidence, etiology and pathophysiology of diabetes following acute pancreatitis with a particular emphasis on the autoimmune processes that result in diabetes.
- 5/01/21-4/30/24 Blood-brain barrier dysfunction in Alzheimer's disease: from humans to animal models
RF1AG071515
National Institute of Aging, NIH
PI: Hanzhang Lu, PhD
Role: Co-Investigator; Kalyani
The goal of this proposal is to evaluate blood-brain barrier dysfunction in people with Alzheimer's disease, including those with diabetes.
- 8/09/21-7/31/25 Image Analysis and Machine Learning Methods for Biomarkers of Age-related and Metabolic Diseases
SC3GM113754
National Institute of General Medical Sciences, NIH
PI: Sokratis Makrogiannis, PhD
Role: Consultant; Kalyani
This project will contribute novel and non-invasive medical image analysis techniques for studying the human body composition and its changes with increasing age to achieve timely prognosis of these pathologies using machine-learning methods.
- 9/30/21-7/31/26 Small Vessel VCID Biomarker Validation Consortium Sites
UF1NS100588
National Institute of Neurological Disorders and Stroke, NIH
PI: Hanzhang Lu, PhD
Role: Co-Investigator; Kalyani

This a renewal of the previous grant to evaluate small vessel MRI markers for the assessment of vascular contributions in cognitive impairment and dementia, including in diabetes.

7/1/22-6/30/28 PREvention of Cardiovascular and Diabetic kidney disease in Type 2 Diabetes (PRECIDENTD) Patient Centered Outcomes Research Institute (PCORI)
Role: PI (Johns Hopkins); Kalyani
This pragmatic clinical trial aims to determine whether SGLT2i, GLP-1 RA, or the combination is most effective at reducing major health events, such as heart attack, stroke, kidney problems, and death over an average follow-up of 4 years.

Research Extramural Funding - Previous

7/1/07-6/30/09 Johns Hopkins Clinical Research Scholars Program
1KL2RR025006
National Center for Research Resources, NIH
PI: Daniel Ford, MD
Role: KL2 Scholar; Kalyani
Completed MHS degree program at Johns Hopkins Bloomberg School of Public Health and conducted study on functional disability in adults with diabetes.

7/1/10-6/30/11 Johns Hopkins Older American Independence Center (OAIC) Pilot/Exploratory Studies Core
P30AG021334
National Institute on Aging, NIH
OAIC PI: Jeremy Walston, MD
Role: Pilot Project Scholar/PI; Kalyani
Studied dysregulation in hormones of energy metabolism in frail older adults.

7/1/11-6/30/12 Johns Hopkins OAIC Research Career Development Core
P30AG021334
National Institute on Aging, NIH
OAIC PI: Jeremy Walston, MD
Role: RCDC Scholar/PI; Kalyani
Studied the development of frailty in older adults with diabetes.

9/1/12-5/31/17 Glucose, Insulin, and Muscle Loss
K23DK093583
National Institute of Diabetes and Digestive and Kidney Diseases, NIH
Role: PI
Examined the relationship of dysglycemia and insulin resistance to loss of muscle mass, strength, and quality in persons with diabetes and investigates underlying pathways.

7/1/14-6/30/20 Vitamin D Supplements to Prevent Falls in Older Adults: A Dose Response Trial
U01AG047837
National Institute on Aging, NIH
PI: Lawrence Appel, MD, MPH
Role: Co-Investigator; Kalyani
An interventional dose-response trial of vitamin D supplementation for the prevention of falls in older adults.

5/1/15- 1/31/20 Development and Translation of D-glucose as a Diagnostic Agent for MRI of Cancer
R01EB019934
National Institute of Biomedical Imaging and Bioengineering, NIH
PI: Peter Van Zijl, MD, PhD
Role: Co-Investigator; Kalyani
This grant aimed to develop dynamic CEST imaging of glucose as an alternative to

contrast based MRI/CT and PET deoxyglucose for brain cancer imaging and diagnosis.

- 2/1/16-1/31/19 Lean Body Mass and the Development of Diabetes
R03DK109163
National Institute of Diabetes and Digestive and Kidney Diseases, NIH
Role: PI
The goal of the proposal was to investigate the longitudinal relationship of lean body mass changes, independent of adiposity, with the development of diabetes and potential bidirectional influences.
- 9/30/16-7/31/21 Development of MRI microvascular biomarkers in cognitive impairment and dementia
UH2/UH3NS100588
National Institute of Neurological Disorders and Stroke, NIH
PI: Hanzhang Lu, PhD
Role: Co-Investigator; Kalyani
The goal of this proposal is to evaluate small vessel MRI markers for the assessment of vascular contributions in cognitive impairment and dementia, including in diabetes.

Other Extramural Funding - Current

- 1/31/21-12/31/23 The Johns Hopkins Patient Guide to Diabetes Website – Phase III
Frannie Foundation
Role: PI
After the successful launch of the website (hopkinsdiabetesinfo.org), the third phase of funding will include a new podcast series titled “Diabetes Deconstructed”, new instructional patient videos, expansion of the nutrition and wellness blog, and educational text-based modules to facilitate self-directed learning.

Other Extramural Funding - Previous

- 7/1/15- 6/30/17 Development of a Patient Website for Diabetes – Phase I
Frannie Foundation
Role: PI
The first phase of funding supported development of a patient website for diabetes based on the most up-to-date evidence as an educational tool to improve diabetes related knowledge for patients with diabetes and increase public awareness of diabetes.
- 7/1/17-12/30/20 The Johns Hopkins Patient Guide to Diabetes Website – Phase II
Frannie Foundation
Role: PI
After the successful launch of the website (hopkinsdiabetesinfo.org), the second phase of funding included the development of multi-modal content including animations, patient videos, and nutrition and wellness blog. There was also be a focus on dissemination of the website (via social media) to reach a broader global audience.

INTRAMURAL Funding

Research Intramural Funding - Previous

- 7/1/10-6/30/12 Glucose, Insulin, and Muscle Loss
Johns Hopkins University Richard S. Ross Clinician Scientist Award
Role: PI
Investigated the relationship of hyperglycemia to accelerated loss of muscle with aging.
- 7/1/14-6/30/15 Validation of a New Assay for the Accurate Determination of Vitamin D Status
Accelerated Translational Incubator Pilot (ATIP) Program, Johns Hopkins Institute for

Clinical and Translational Research

PI: Richard Semba, MD, MPH

Role: Co-Investigator

A study to determine vitamin D binding protein genetic variants using a novel multiple reaction monitoring assay.

3/1/16-2/28/17

Establishing the Johns Hopkins Diabetes Registry using EMR Data

ICTR Behavioral, Social and Systems Science Translational Research Community (TRC) & the Center for Clinical Data Analysis

PI: Jessica Yeh, PhD

Role: Co-PI

The goal of this proposal was to establish a diabetes registry using patient electronic medical record data at Johns Hopkins.

CLINICAL ACTIVITIES

Clinical Focus

The focus of my clinical activities is adult diabetes care. I established and serve as Director of the Diabetes Management Service for the Johns Hopkins Hospital Total Pancreatectomy Islet Autotransplant Program. Previously, I chaired the American Diabetes Association's Professional Practice Committee, responsible for authoring the annual clinical guidelines position statement titled, "*ADA Standards of Medical Care in Diabetes*". I have co-authored multiple guideline statements for the Endocrine Society and American College of Cardiology. In 2021, I authored an invited clinical practice review for the *New England Journal of Medicine* on the current management of type 2 diabetes.

Certification

Medical, other state/government or licensure

2007- present Maryland # D0065784

Boards, other specialty certification

2006 Board Certified, American Board of Internal Medicine--Internal Medicine #268517

2009- present Board Certified, American Board of Internal Medicine—Endocrinology, Diabetes, & Metabolism Subspecialty #268517

Clinical (Service) Responsibilities

2010-2022 General Endocrinology Consult Service, Johns Hopkins Hospital

2010- present Outpatient Clinic, Johns Hopkins Comprehensive Diabetes Center

2020- present Attending, Fellows Outpatient Continuity Clinic

Membership in or examiner for specialty board (None)

Clinical Program Building/Leadership

2011- present Director, Diabetes Management Service, Total Pancreatectomy Islet Auto Transplant Program (TPIAT), Johns Hopkins Hospital

EDUCATIONAL ACTIVITIES

Educational Focus

My educational focus is diabetes and prevention of its complications. I have developed several nationally recognized diabetes educational programs and resources for both providers and patients. I have co-edited a book for health care providers on diabetes treatment and management published by Jones & Bartlett Learning (2011). I have also co-authored two books for patients including "*Diabetes Head to Toe*" (2018) and "*Winning With Diabetes*" (2023), both

published by Johns Hopkins University Press. I am the Founder and Editor-in-Chief of the Johns Hopkins Patient Guide to Diabetes website (hopkinsdiabetesinfo.org) that has been viewed >1.5 million times around the world since launch.

Teaching

Classroom Instruction

JHMI/Regional

- 8/07-05/08 Instructor for 12 medical students, Patient, Physician, and Society Course, Johns Hopkins University School of Medicine
- 9/10-4/13 Lecturer, "Type 2 Diabetes Management", Internal Medicine Basic Clerkship, Johns Hopkins University School of Medicine
- 5/11 Lecturer, "Amenorrhea and Hypogonadism", Good Samaritan Hospital Internal Medicine Residency Program
- 7/13-8/19 Lecturer, "Case Studies in Diabetes", Intern Ambulatory Outpatient CASE Rotation, Johns Hopkins Osler Internal Medicine Residency Program
- 5/13-5/18 Lecturer, "Epidemiology of Diabetes in the Elderly", Diabetes and Obesity Epidemiology Course, Johns Hopkins Bloomberg School of Public Health
- 4/14 Lecturer, "Diabetic Ketoacidosis", Good Samaritan Hospital Internal Medicine Residency Program
- 12/14 Instructor for 15 medical students, Clinical Epidemiology Course, Johns Hopkins University School of Medicine
- 08/15-08/16 Lecturer, "Barriers to Optimal Diabetes Care in Trinidad & Tobago", Chronic Diseases in Low- and Middle-Income Countries (LMIC) Course, Johns Hopkins Bloomberg School of Public Health
- 12/18–present Lecturer, "Clinical Correlations: Diabetes", Genes to Society MS II Curriculum
- 12/19–present Instructor for 15 medical students, Clinical Epidemiology Course, Johns Hopkins University School of Medicine
- 1/20 Lecturer, "The Story of Insulin", Stories of People, Science, and Medicine Course, Johns Hopkins University
- 2/20 Lecturer, "Non-insulin Drugs for Diabetes", Osler Housestaff Noon Conference
- 2/21- present Lecturer, "Diabetes in Older Adults", Biological Basis of Aging Course, Johns Hopkins Bloomberg School of Public Health

Clinical Instruction

JHMI/Regional

- 7/10- present Preceptor, Internal Medicine Residency Basic Rotation in Outpatient Endocrinology, Johns Hopkins Hospital
- 7/10- present Attending Physician, post-doctoral fellows, internal medicine residents, medical students; Endocrinology Consultation Service, Johns Hopkins Hospital (3-6 weeks each year)
- 7/10- present Preceptor, post-doctoral fellows; Endocrinology and Diabetes Outpatient Clinic, Johns Hopkins Hospital

CME Instruction

JHMI/Regional

- 3/11-3/13 Lecturer, Horizons in Endocrinology and Metabolism Continuing Medical Education Course, Johns Hopkins University School of Medicine
- 11/11-9/18 Lecturer, What's New in Diabetic Retinopathy and Venous Occlusive Disease Continuing Medical Education Course, Johns Hopkins University School of Medicine
- 4/6/11 Lecturer, "Impaired Glucose Metabolism: An Unavoidable Companion of Aging?" Endocrinology, Diabetes, & Metabolism Grand Rounds, Johns Hopkins University School of Medicine
- 12/14/11 Lecturer, "The Global Epidemic of Diabetes: A Case Study of Trinidad and Tobago," Endocrinology, Diabetes, & Metabolism Grand Rounds, Johns Hopkins School of Medicine
- 4/27/12 Lecturer, "Pancreatic Islet Transplantation: The Search for a Sweet Success," Department of Medicine Grand Rounds, Johns Hopkins University School of Medicine

5/9/12 Lecturer, "Impaired Glucose Metabolism in Older Adults," Welch Center Grand Rounds, Johns Hopkins University School of Medicine

10/22/12 Lecturer, "An Update on Diabetes Management," Johns Hopkins Department of Occupational Health, Employee Health and Wellness Summit

10/2/12 Lecturer, "Development of a Point-of-Care Diabetes Guide for Health Care Providers in Trinidad and Tobago: A Model for International Diabetes Initiatives," Johns Hopkins Medicine International Partners Forum 2012: Global Innovations in Health Care

5/8/13 Lecturer, "An Update in Pancreatic Islet Transplantation," Philip Tumulty Topics in Clinical Medicine Continuing Medical Education Course, Johns Hopkins University School of Medicine

1/15/14 Lecturer, "Sex Differences in Diabetes and Coronary Heart Disease," Endocrinology, Diabetes, & Metabolism Grand Rounds, Johns Hopkins University School of Medicine

5/13/15 Lecturer, "Physical Function in Older Adults with Diabetes," Endocrinology, Diabetes, & Metabolism Grand Rounds, Johns Hopkins University School of Medicine

3/11/16 Lecturer, "Diabetes in Older Adults," Department of Medicine Grand Rounds, Johns Hopkins University School of Medicine

5/9/16 Lecturer, "Diabetes and Physical Functioning," Johns Hopkins Institute for Basic Biomedical Sciences Science Writers' Boot Camp

9/29/17 Lecturer, "Islet Autotransplantation," Johns Hopkins Chinese Executive Education Program

5/11/18 Lecturer, "Update on Clinical Guidelines for Diabetes," Philip Tumulty Topics in Clinical Medicine Continuing Medical Education Course, Johns Hopkins University School of Medicine

8/27/18 Lecturer, "An International Perspective on Diabetes Management," Johns Hopkins Hospital Management Exchange Program for Chinese Healthcare Professionals

5/7/19 Lecturer, "Meet the Professor," Philip Tumulty Topics in Clinical Medicine Continuing Medical Education Course, Johns Hopkins University School of Medicine

12/16/20 Lecturer, "Sarcopenia in Older Adults with Diabetes," Endocrinology, Diabetes, & Metabolism Grand Rounds, Johns Hopkins University School of Medicine

3/1/21 Lecturer, "Functional Disability in Diabetes and Aging," Johns Hopkins Center on Aging and Health Scientific Seminar Series

5/7/21 Lecturer, "Diabetes and CVD," Philip Tumulty Topics in Clinical Medicine Continuing Medical Education Course, Johns Hopkins University School of Medicine

3/23/22 Lecturer, "Do Higher Doses of Vitamin D Supplementation Prevent (or Increase) the Risk of Falls? Results from the STURDY Trial," Endocrinology, Diabetes, & Metabolism Grand Rounds, Johns Hopkins University School of Medicine

3/4/22 Lecturer, "Glycemic Outcomes After Total Pancreatectomy with Islet Auto Transplantation," Department of Medicine Grand Rounds, Johns Hopkins University School of Medicine

National

7/28/11 Lecturer, New and Emerging Therapies for Diabetes: Molecules, Mechanisms and Recent Clinical Evidence, CardioCareLive (available at www.CardioCareLive.com)

5/22/13 Course Director and Moderator, Optimizing Patient Outcomes: Sequencing Therapy in Type 2 Diabetes – Part 1: Lifestyle Modifications and First-line Agents, Johns Hopkins Diabetes POC-IT Guide CME Program

7/25/13 Course Director and Moderator, Optimizing Patient Outcomes: Sequencing Therapy in Type 2 Diabetes – Part 2: Managing Persistent Hyperglycemia, Johns Hopkins Diabetes POC-IT Guide CME Program

6/11/16 Course Director and Moderator, Confronting Barriers to Glycemic Control with New and Emerging Insulin and Combination Therapies, American Diabetes Association's 76th Scientific Sessions Corporate Symposium

10/17/16 Lecturer, "Advances in Diabetes Treatment and Management", Texas Club of Internists Annual Fall Meeting

10/23/20 Course Director and Moderator, Type 2 Diabetes and Cardiovascular Outcomes: Updates on SGLT2 Inhibitors and GLP-1 Receptor Agonists, Johns Hopkins Diabetes POC-IT Guide CME Program

International

- 11/15/11 Lecturer, Optimal Hypertension Targets in Diabetes – Revelations from Recent Clinical Research, Middle East Webcast, CME Universe
- 6/15/15 CME Course Director, "Diabetologic: Logical solutions to acute and chronic complications in diabetes", India Primary Care Physicians, CME Universe
- 10/10/19 CME Course Director, "Optimized Rationale for Basal Insulin Therapy", DAP E-nnovative Solutions, India
- 1/15/20 CME Course Director, "ORBIT iCON (Insulin Conversations)", DAP E-nnovative Solutions, India

Workshops/Seminars

National

- 6/12 Guide Audio Tour Moderator, "Epidemiology of Diabetes Treatment," American Diabetes Association's 72nd Scientific Sessions, San Diego, CA.
- 6/15 Guided Audio Tour Moderator, "Diabetes and Aging—It's All the Rage!" American Diabetes Association 75th Scientific Sessions, Boston, MA.
- 12/21 Expert Roundtable Faculty, "Expert Perspectives in Type 2 Diabetes", Expert Perspectives in Medicine (<https://www.expertperspectives.com/Endocrinology>)

Mentoring

Pre-doctoral Advisees/ Mentees

- 2012-2017 Laura Minang Buhange, BA, Research Biologist, National Cancer Institute, Bethesda, MD. Co-authored articles OR 15, OR 58
- 2017-2018 Rahul Sachdev, BA, Medical Student, Johns Hopkins University, Baltimore, MD. Awarded Oral Research Presentation, Medical Student Research Conference 2018
- 2019-2021 Elizabeth Liu, BA, Internal Medicine Intern, Yale University, New Haven, CT. Awarded 2019 Medical Student Training in Aging Research (MSTAR) Program Scholar, American Federation for Aging Research
Co-authored article OR 85.
- 2020-2021 Jason Lee, BSc, MSc, General Surgery Resident, Indiana University
- 2020-2021 Bhavitha Kotha, BA, Medical Student, Johns Hopkins University
Awarded Poster Research Presentation, Medical Student Research Conference 2021
- 2021- present Angela Yang, BA, Johns Hopkins University Graduate and Post-Baccalaureate Student
- 2022- present Raj Grewal, BA, Medical Student, California Health Sciences University
Awarded 2022 Medical Student Training in Aging Research (MSTAR) Program Scholar, American Federation for Aging Research
Co-authored article RA 24.
- 2022- present Alycia Hancock, 4th year Undergraduate student, Notre Dame University of Maryland
Awarded Sister Alma Science Year Scholarship

Post-doctoral Advisees/ Mentees

- 2012-2014 Mark Corriere, MD, FACP, Endocrinologist, Maryland Endocrine Associates, Columbia, MD
Adjunct Assistant Professor of Medicine, Johns Hopkins School of Medicine, Baltimore, MD
Awarded Abstract Selected for Guided Audio Poster Tour, Diabetes and Aging Session, American Diabetes Association's 73rd and 74th Scientific Meetings; Johns Hopkins Primary Care Consortium Award; Division of Endocrinology, Diabetes, & Metabolism Saudek Fellowship.
Co-authored OR 14, OR 15, RA 8, BC 22, BC 23, BC 24.

- 2012-2015 Bryan Ward, MD, Associate Professor of Otolaryngology, Johns Hopkins School of Medicine
Awarded American Academy of Otolaryngology Resident Research Award
Co-authored OR 17.
- 2012-2013 Sherley Abraham, MD, Assistant Professor of Medicine, Endocrinology, Diabetes, and Bone Disease,
Mount Sinai Hospital, New York, NY
Co-authored CR 4.
- 2012-2015 Nira (Roopnarinesingh) Madisi, MBBS, Endocrinologist, Albany Medical College, Albany, NY
Awarded Chief Endocrinology Fellow (2014-2015), George Washington University Hospital
Center; co-authored OR 25, RA 8.
- 2015-2017 Michael Quartuccio, MD, Endocrinologist, Rochester Regional Health System, Rochester, NY
Core Faculty, Endocrinology, Diabetes, & Metabolism Fellowship Program, Rochester Health
Adjunct Assistant Professor of Medicine, Johns Hopkins School of Medicine, Baltimore, MD
Awarded Division of Endocrinology, Diabetes, & Metabolism Saudek Fellowship; co-authored
OR 42, OR 55, OR 58, RA 14, RA 18, BC 30.
- 2015-2017 Brian Buta, MHS, Research Program Manager, Johns Hopkins University, Baltimore, MD
Awarded Oral Abstract Presentation, International Conference on Frailty and Sarcopenia Research
2016 Annual Meeting; co-authored OR 38.
- 2017-2019 Mohammed Al-Sofiani, MBBS, MSc, Assistant Professor of Medicine and Director of the
Endocrinology, Diabetes, and Metabolism Fellowship, King Saud University, Riyadh, Saudi
Arabia; Vice President of the Saudi Society of Endocrinology and Metabolism
Adjunct Assistant Professor of Medicine, Johns Hopkins School of Medicine, Baltimore, MD
Awarded Clinical Fellows Award in Diabetes, Endocrine Society Annual Scientific Sessions 2018
Co-authored OR 62, RA 18, RA 19, RA 20, OR 85.
- 2018 Suneeta Ganji, MD, Endocrinologist, Louisiana State University Healthcare Network
Co-authored RA19.
- 2018-2019 Robert Derenbecker, MD, Cardiology Fellow, University of Alabama, Birmingham, AL
Co-authored RA 20.
- 2020-2021 Kacey Chae, Clinical Fellow in Obesity Medicine, Johns Hopkins University, Baltimore, MD
Co-authored BC 31.
- 2020- present Noemi Malandrino, MD, PhD, 3rd Year Endocrinology Fellow, Johns Hopkins University,
Baltimore, MD
Awarded Division of Endocrinology, Diabetes, & Metabolism Saudek Fellowship
Co-authored RA 24.
- 2022- present Salman Bhat, MBBS, 2nd Year Endocrinology Fellow, Johns Hopkins University, Baltimore, MD
Co-authored RA 25.

Faculty

- 2015-2018 Swaytha Yalamanchi, MD, Endocrinologist, Sutter Health, CA
Awarded Pearl M. Stetler Fellowship Award
Coauthored OR 39, BC 30.
- 2017-2020 Shabhina Ahmed, MD, Assistant Professor of Medicine, Johns Hopkins University
Awarded EPIC Scholars Grant
Co-authored OR 75.

2019-2021 Sudipa Sarkar, MD, MSCI, Assistant Professor of Medicine, Johns Hopkins University
Co-authored OR 88.

2022- present Jenny Dias, Assistant Professor of Medicine, Johns Hopkins University

Thesis committees

- 4/16 Sheriza Baksh, Doctor of Philosophy Candidate in the JHSPH Department of Epidemiology,
“Cardiovascular Safety of DPP-IV Inhibitors in Patients with Type 2 Diabetes Mellitus,”
Preliminary Oral Examination Committee Member
- 9/18 Sheriza Baksh, Doctor of Philosophy Candidate in the JHSPH Department of Epidemiology,
“Cardiovascular Safety of DPP-IV Inhibitors in Patients with Type 2 Diabetes Mellitus,”
Final Oral Examination Committee Member
- 04/21 Grant Schumock, Doctor of Philosophy Candidate in the JHSPH Department of Biostatistics,
“Modeling Oral Glucose Tolerance Test Response to Probe Resilience,” Preliminary Oral
Examination Committee Member
- 10/21- present Grant Schumock, Doctor of Philosophy Candidate in the JHSPH Department of Biostatistics,
“Modeling Oral Glucose Tolerance Test Response to Probe Resilience,” Thesis Advisory
Committee Member
- 10/21- present Priyanka Sood, Doctor of Philosophy Candidate in the JHSPH Department of Health Policy and
Management, “Assessing the effect of data quality in predicting healthcare utilization and
potential disparities in outcomes of type 2 diabetes population using electronic health records and
insurance claims,” Thesis Advisory Committee Member

Training Grant and Center Participation

7/1/12-6/30/17 JHU-UMD Diabetes Research Training Center
P30 DK079637
NIDDK/NIH
PI: Mehboob Hussain, MD
Role: Affiliate Faculty

7/1/13-6/30/18 Clinical Research and Epidemiology in Diabetes and Endocrinology
T32 DK062707
NIDDK/NIH
PI: Sherita Golden, MD, MHS
Role: Senior Endocrine Faculty

7/1/18- present Clinical Research and Epidemiology in Diabetes and Endocrinology
T32 DK062707
NIDDK/NIH
PI: Todd Brown, MD, PhD
Role: Preceptor/Mentor

7/1/18-present JHU Claude D. Pepper Center
P30 AG021334
NIA/NIH
PIs: Jeremy Walston, Karen Bandeen-Roche
Role: Program Faculty, Research Education Core

Educational Program Building/Leadership

2010- present Co-Founder and Editor-in-Chief, Johns Hopkins Diabetes Point of Care Information Technology
(POC-IT) Guide available at www.hopkinsguides.org.

2010-2014 Editor, The Johns Hopkins Diabetes Guide for Trinidad and Tobago

- 2012- present Director, Johns Hopkins Diabetes Guide Continuing Medical Education (CME) Programs
The programs that have been successfully funded and launched include:
- "Sequencing Therapy in Type 2 Diabetes - Part 1: Lifestyle Modifications and First-Line Agents" (2013-14)
 - "Sequencing Therapy in Type 2 Diabetes - Part 2: Managing Persistent Hyperglycemia" (2013-14)
 - "Improving Patient Outcomes: Hypoglycemia Risk Reduction in Patients with Type 2 Diabetes" (2014-15)
 - "Diabetes and Pregnancy: Updated Screening and Treatment Guidelines to Improve Outcomes" (2015-16)
 - "Innovations in Prandial Glucose Control for Patients with Type 2 Diabetes" (2015-16)
 - "Management of Persistent Hyperglycemia in Type 2 Diabetes Beyond Starting Doses of Basal Insulin - Part 1" (2015-16)
 - "Management of Persistent Hyperglycemia in Type 2 Diabetes Beyond Starting Doses of Basal Insulin - Part 2" (2016-17)
 - "Type 2 Diabetes and Cardiovascular Outcomes: Updates on SGLT2 Inhibitors and GLP-1 Receptor Agonists" (2020- 2021)
 - Type 2 Diabetes and CVD: Analyzing the Data and Applying Expert Recommendations (2022-present)
- I work together with an independent educational consulting firm, Medical Logix, in developing grant proposals. These programs have together resulted in more than 5,000 CME certificates (each accredited for 1.5 AMA PRA Category 1 Credits) awarded to U.S. health care professionals.
- 2012-2015 Editor, The Johns Hopkins Diabetes White Papers.
- 2013-2014 Editor, The Johns Hopkins Diabetes Center – Patient Brochures for Diabetes.
- 2015- present Founder and Editor-in-Chief, The Johns Hopkins Patient Website for Diabetes available at hopkinsdiabetesinfo.org.

Educational Demonstration Activities (None)

RESEARCH ACTIVITIES

Research Focus

My core research addresses the epidemiology of diabetes and aging, particularly accelerated muscle loss, physical functioning, disability, frailty, and physical resilience in older adults with diabetes. I have also conducted patient-oriented research on the cardiovascular complications of diabetes including relevant sex differences, effectiveness of aspirin for primary prevention, and use of newer glucose-lowering therapies to reduce cardiovascular risk for type 2 diabetes. I have collaborated on studies investigating the relationship of other metabolic abnormalities (i.e. vitamin D deficiency) to disability and falls in older adults. My studies in diabetes education have identified critical gaps in physicians' knowledge related to diabetes.

Research Program Building/Leadership

- 2009-2012 Member, Steering Committee for the Women's Health and Aging Study II. I participated in regular meetings regarding the study protocols and data collection, particularly related to diabetes and endocrine measures.
- 2015- present Director of the Metabolic Studies Unit, The GeneSTAR Research Center. I help oversee the metabolic measures for this cohort.

Research Demonstration Activities (None)

Inventions, Patents, Copyrights

2022 Blossom™: A Coach-Supported Program for Diabetes Management. Together with Johns Hopkins Health Solutions (JHHS) staff, I provided direction for the organization, content development, and editing of all diabetes educational topics on the digital platform. The copyrighted materials included 8 foundational topics in diabetes and 73 additional diabetes-related subtopics. The copyright for these materials was retained by Johns Hopkins HealthCare, LLC under an agreement.

Technology Transfer Activities

2022 Blossom™: A Coach-Supported Program for Diabetes Management. This technology was transferred to Johns Hopkins HealthCare, LLC under an agreement.

SYSTEM INNOVATION AND QUALITY IMPROVEMENT ACTIVITIES (N/A)

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments

2007-2014 Member, Steering Committee for the Diabetes Program of the Trinidad and Tobago Health Sciences Initiative, Johns Hopkins International

2008- present Member, Department of Medicine's Task Force on Women's Academic Careers in Medicine

2009 Member, Steering Committee for the Diabetes Program of the Kuwait-Johns Hopkins International Initiative

2010- present Member, Johns Hopkins Endocrinology Fellowship Selection Committee

2010- present Board Member, Johns Hopkins Point of Care Information Technology Center

2012-2013 Co-Chair, Research Committee for the Department of Medicine Strategic Planning Retreat

2013 Member, Intern Selection Committee for Johns Hopkins Internal Medicine Residency Program

2013 Co-Chair, Annual Dinner for Johns Hopkins Department of Medicine's Task Force on Women's Academic Careers in Medicine

2015-2016 Member, Search Committee for Chief of Division of Endocrinology, Diabetes, & Metabolism, Department of Medicine

2015 Co-Leader, Moving Frailty Into Clinical Practice Session at the 2015 Retreat of the Johns Hopkins Older American Independence Center

2015-2016 Member, Research Committee for Brancati Center for the Advancement of Community Care

2015-2016 Member, Planning Committee for Department of Medicine Research Retreat

2016 Member, Planning Committee for Annual Visiting Professorship in Diversity, Department of Medicine

2016 Member, Steering Committee for "Living Well With Diabetes" Patient Community Forum, Baltimore, MD

2016 Diabetes Faculty Mentor, HCL Healthcare India Initiative, Johns Hopkins International Program

2019 Program Coordinator, JHU Odyssey Program titled "Mini-Med School: Diabetes Head to Toe"

2020-2021 Leader, Johns Hopkins Aramco Healthcare Saudi Arabia Diabetes Program Assessment, Johns Hopkins International, virtual visit

2020- present Medical Director, Blossom Diabetes Management Program, Johns Hopkins HealthCare Solutions

2022- present Member, Johns Hopkins Medicine Institutional Review Board #3

2022- present Member, Mid-Atlantic Center for Cardiometabolic Health Equity (MACCHE) Scholar Advisory Panel

Editorial Activities

Editorial Board appointments

2014-2016 Member, Editorial Board, *Diabetes Care* (Guest Editor, "Diabetes and Aging" Theme Issue, 04/17)

2019- 2022 Member, Editorial Board, *BMJ Open Diabetes Research & Care*

2021- present Guest Editor, "Endocrinology of the Aging Patient" Theme Issue, *Endocrinology and Metabolism Clinics of North America* (in press, anticipated publication June 2023)

2023- present Associate Editor, *BMJ Open Diabetes Research & Care*

Journal Peer review activities

2011- present Diabetes Care
2012- present Clinical Endocrinology
2013- present Journal of Clinical Endocrinology and Metabolism
2013- present Journal of Gerontology and Medical Sciences
2013- present Canadian Medical Association Journal
2013- present Journal of Evaluation in Clinical Practice
2013- present JAMA Ophthalmology
2014- present Diabetes and Vascular Disease Research
2015- present Journal of the American Medical Association (JAMA)
2015- present BMJ Open Diabetes Research & Care
2016- present New England Journal of Medicine
2018- present Journal of Diabetes and Its Complications
2019- present Journal of the American College of Cardiology
2019- present Translational Research
2020- present Annals of the New York Academy of Sciences
2021- present BMC Geriatrics
2021- present Obesity
2021- present Diabetes Research and Clinical Practice
2022- present Circulation
2022- present Annals of Internal Medicine

Other peer review activities

2018 Reviewer for "Disability in Diabetes", Diabetes in America 3rd Edition, NIDDK, Bethesda, MD
2012 2013 Abstract reviewer for The Endocrine Society Annual Scientific Meeting
2012-2015 Abstract reviewer for American Diabetes Association Annual Scientific Meeting

Advisory Committees, Review Groups/Study Sections

2015-2018 Member, Data Safety Monitoring Board, NIH funded trial "Anti- Inflammatory Small Drug as Adjunctive Therapy to Improve Glucometabolic Variables in Obese, Insulin-Resistant Type 2 Diabetic Patients" (PI: Nick Giannoukakis, Ph.D, University of Pittsburgh, NCATS UH3TR001372)
2016 Ad Hoc Member, NIH-NIDDK, Diabetes, Endocrinology, and Metabolic Diseases B Sub-Committee (DDK-B) Study Section
2016 Member, Patient Centered Outcomes Research Institute Working Group "Working on Prioritizing Comparative Effectiveness Research for Second-Line Type 2 Diabetes Treatment"
2017-2020 Member, Diabetes Working Group and Equity Task Force, National Minority Quality Forum's Center for Sustainable Health Care Quality and Equity
2018-2019 Grants Reviewer, University of Michigan Center for Diabetes Translational Research Pilot and Feasibility Grants
2018-2019 Member, National Board of Directors, DiabetesSisters
2019 Member, Food and Drug Administration Roundtable on Relevance of Non-Primary Endpoints in Clinical Trials, Case Discussion of Heart Failure Outcomes in Cardiovascular Outcome Trials (CVOTs) in Type 2 Diabetes Management (T2DM)
2019-present Member, Food and Drug Administration Endocrinologic and Metabolic Drugs Advisory Committee (Temporary Voting Member 2019; Standing Committee Member 2020 - present)
2019-2020 Grants Reviewer, Johns Hopkins Alzheimer's Disease Resource Center for Minority Aging Research, Pilot and Feasibility Grants
2019-2021 Grants Reviewer, Johns Hopkins Institute for Clinical and Translational Research BOOST awards
2019-present Member, Medical Advisory Board, *Prevention* magazine
2019-2020 Member, Data Safety Monitoring Board, American Heart Association sponsored study Time-Restricted Intake of Meals (PI: Nisa Maruthur, MD)

2020 Ad Hoc Member, NIDDK Special Emphasis Panel (ZRG1 PSE F02), Member Conflict: Population Sciences and Epidemiology Special Emphasis Panel

2020 Ad Hoc Member, NIH-NIDDK, Diabetes, Endocrinology, and Metabolic Diseases B Sub-Committee (DDK-B) Study Section

2020 Grants Reviewer, Diabetes United Kingdom, RD Lawrence Fellowship

2020 Grants Reviewer, Netherlands Organisation for Health Research and Development, ZonMw Veni Programme

2020-2021 Member, Maryland State Advisory Council on Health and Wellness (appointed by the Maryland Secretary of Health, Robert R. Neall)

2021 Grants Reviewer, Health Research Board of Ireland, Secondary Data Analysis Projects

2021- present Co-Leader, Maryland Department of Health's Diabetes Quality Task Force

2021- present External Study Monitor, NIH funded pilot study, "An intervention to enhance hypoglycemia communication and preventive action in primary care" (PI: Scott Pilla, MD, Johns Hopkins University School of Medicine, NIDDK K23DK128572)

2021- present Member, Data Safety Monitoring Board, NIH funded trial, "Comparing Two Dietary Approaches for Type 2 Diabetes" (PI: Laura Saslow, PhD, University of Michigan, NIDDK R01DK126898)

2021- present Standing Study Section Member, Diabetes, Endocrinology and Metabolic Diseases Study Section-B, National Institute of Diabetes and Digestive and Kidney Diseases Initial Review Group, NIH

2022 - present Grants Reviewer, American Diabetes Association, Targeting Behavioral and Psychosocial Interventions for Diabetes Prevention through Nutrition & Lifestyle Faculty Research Awards

2022 - present Grants Reviewer, American Diabetes Association, Innovative Transformational Research to Reduce Health Disparities and Advance Health Equity in Diabetes Faculty Research Awards

2022 - present Chair, Writing Committee, "Prioritizing Patient Experiences in the Management of Diabetes and Its Complications: An Endocrine Society Scientific Statement"

2022 - present Member, Medscape Type 2 Diabetes Mellitus Center of Excellence Advisory Board

2022 – present Member, Data Safety Monitoring Board, NIH funded pilot study, "The Sedentary to Active Rising to Thrive (START) trial: a proof-of-concept sedentary behavior reduction program" (PI: Amal Wanigatunga, PhD, Johns Hopkins University School of Public Health, NIA K01AG076967)

Professional Societies

2007- present American Diabetes Association (ADA)

2007- present Member (ADA)

2012-2014 Epidemiology Sessions Planning Subcommittee for Annual Scientific Sessions Meeting (ADA)

2015 Member, Professional Practice Committee (ADA)

2016 Co-Chair, Professional Practice Committee (ADA)

2017 Chair, Professional Practice Committee

2017 Member, ADA's Maryland Community Leadership Board of Directors

2018- present President, ADA's Maryland Community Leadership Board of Directors

2018-2019 Member, Organizing Committee for ADA Baltimore's "Diabetes is Primary" CME Conference

2019-2020 Member, Therapeutics/New Technology Sessions Planning Subcommittee for Annual Scientific Sessions Meeting (ADA)

2021 Faculty Reviewer, ADA "Diabetes is Primary" CME program content

2021 Faculty Reviewer, ADA Self-Assessment Program on Therapeutic Inertia

2009- present The Endocrine Society (ES)

2009-present Member (ES)

2014-2015 Member, Diabetes Working Group for The Endocrine Society's "Endocrine Facts and Figures Report" (ES)

2016-2019 Member, Research Affairs Core Committee (ES)

2018 Member, Endocrine Society's Research Hill Day (ES)

2018 Society Spokesperson, "Increasing Insulin Affordability: An Endocrine Society Position Statement" (ES)

2018-2019 Member, Clinical Practice Guidelines Task Force (ES)

	2019-2022	Member, Clinical Guidelines Committee (ES)
	2020-2021	Member, EndoCares 2021 Steering Team (ES)
2013- present	American College of Physicians (ACP)	
	2013-present	Member (ACP)
	2014-present	Fellow (ACP)
	2013-2016	Member, American College of Physicians-Net Diabetes and CVD Risk Factor Steering Group, "Improving the Quality of Diabetes Care: An ACP MedConcert Pilot" (ACP)
	2015-2016	Member, ACP-Virginia Commonwealth University Diabetes Advisory Group
	2019	Member, Advisory Group titled "Addressing Adult Immunization and Chronic Disease Management to Improve Population Health" (ACP)
2016-2017	American College of Cardiology	
	2017	Delegate, "Managing CVD Risk in Diabetes" Roundtable
	2017	Delegate, "LDL: Address the Risk" Think Tank
2010-2019	American Geriatrics Society	
	2010-2015	Member (AGS)
	2017-2019	Member, AGS Medical Subspecialties Committee, Liason from the American Diabetes Association
2011-2023	Gerontology Society of America (GSA)	
	2011-2012	Member, Gerontology Society of America (GSA)
	2022-present	Member, Gerontology Society of America (GSA)

Conference Organizer

National

4/18	Scientific Program Committee, American College of Physicians' Internal Medicine Annual Meeting, New Orleans, LA
12/18	Scientific Program Committee, "Managing CVD Risk in Diabetes" Roundtable, American College of Cardiology, Washington, DC
2/22, 5/22	Chair, "Redefining Diabetes and Its Complications: A Patient Journey" Roundtables, The Endocrine Society, Washington DC.

International

9/11	Conference Co-Chair, Trinidad and Tobago Health Sciences Initiative Cardiovascular Diseases and Diabetes Quarterly Conference, Port-of-Spain, Trinidad
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Session Chair

National

6/12	Session Co-Chair, "Epidemiology of Geriatric Conditions in the Elderly with Diabetes—An Emerging Public Health Burden," American Diabetes Association's 72 nd Scientific Sessions, San Diego, CA.
6/13	Session Co-Chair, "Metabolically Healthy Obesity (MHO) and Metabolically Obese Normal Weight (MONW)—New Insights and Advances," American Diabetes Association's 73 rd Scientific Sessions, Chicago, IL.
6/14	Session Co-Chair, "Interventions for medication adherence in diabetes: Lessons learned, successes & failures," American Diabetes Association's 74 th Scientific Sessions, San Francisco, CA.
6/15	Session Chair, "Diabetes and Cognitive Dysfunction—From Bench to Bedside," American Diabetes Association 75 th Scientific Sessions, Boston, MA.
6/16	Symposium Chair, "Confronting Barriers to Glycemic Control with New and Emerging Insulin and Combination Therapies", American Diabetes Association 76 th Scientific Sessions, New Orleans, LA
6/18	Session Chair, "New-Onset Type 2 Diabetes in the Youngest and the Oldest", American Diabetes Association 78 th Scientific Sessions, Orlando, Florida
6/19	Session Co-Chair, "Joint ADA/ACC Symposium—Cardiovascular Disease in Patients with Diabetes", American Diabetes Association 79 th Scientific Sessions, San Francisco, CA

- 6/23 Session Chair, “Cardioprotective Mechanisms of Anti-Diabetic Agents”, Endocrine Society's Annual Meeting, ENDO 2023, Chicago, IL
- 6/23 Session Chair, “Prioritizing Patient Experiences in the Management of Diabetes and Its Complications”, Endocrine Society's Annual Meeting, ENDO 2023, Chicago, IL

International

- 10/16 Session Co-Chair, "Interactive Case Discussions in Diabetes," EndoBridge 2016 Conference (sponsored by The Endocrine Society, European Society of Endocrinology, and The Society of Endocrinology and Metabolism of Turkey), Antalya, Turkey

Consultantships

- 2021- present Diabetes Consultant, Maryland Department of Health’s Cancer and Chronic Disease Bureau of the Prevention and Health Promotion Administration. In this role, I work with Maryland’s Deputy Secretary for Public Health Services and also Co-Lead a 50+ member diabetes quality task force from various governmental, non-profit, and payor organizations across Maryland to implement tenets of the five-year Maryland Diabetes Action Plan.

RECOGNITION

Awards, Honors

Undergraduate

- 1997 Harvard College and Radcliffe President’s Research Grants
- 1997 Harvard Department of Earth and Planetary Sciences Travel Fellowship
- 1998 Harvard Bureau of Study Counsel Award Tutor in Chemistry and Biology
- 1998 John Harvard Scholar for Academic Rank List Group I
- 1998 Elizabeth Cary Agassiz Certificate of Merit
- 1999 Magna Cum Laude with Highest Honors, Harvard College

Medical School

- 2002 American Academy of Neurology Summer Research Scholarship
- 2002 Infectious Diseases Society of America Summer Research Scholarship
- 2002 Zonta Club of Washington’s Edith Seville Coale Medical Scholarship
- 2003 Sol Goldman Award for Excellence in Geriatric Medicine
- 2003 Harold Lamport Biomedical Research Prize
- 2003 Maryland Higher Education Commission Scholarships for Medical Students
- 2003 Conference on Retroviruses and Opportunistic Infections Travel Fellowship

Post-graduate

- 2009 Endocrine Trainee Day Travel Fellowship, Endocrine Society
- 2009 Finalist, Clinical Research Fellow Award, Johns Hopkins Department of Medicine Retreat
- 2010 Delta Omega Honorary Public Health Society

Faculty

- 2013 Emerging Women’s Leadership Program, Johns Hopkins University School of Medicine
- 2013 Super Doctors Washington, DC-Baltimore-Northern Virginia Rising Stars, Washington Post Magazine
- 2014 Fellow, American College of Physicians
- 2014 Johns Hopkins University Alumni Association Outstanding Recent Graduate Award
- 2017 Named as one of the "Top 100 Women in Maryland," The Maryland Daily Record
- 2018 Castle Connolly Top Regional Doctor in Endocrinology, Diabetes & Metabolism
- 2019 Leadership Program for Women Faculty, Johns Hopkins University School of Medicine
- 2019- present Castle Connolly Exceptional Women in Medicine
- 2019 Benjamin Franklin Silver Medal Award Winner for “*Diabetes Head to Toe: Everything You Need*

- to Know About Diagnosis, Treatment, and Living with Diabetes*” (Book Authors: **Rita Kalyani**, Mark Corriere, Thomas Donner, Michael Quartuccio), Health and Fitness Category, Independent Book Publishers Association
- 2019 Digital Health Award, Silver Winner, “Johns Hopkins Patient Website for Diabetes” (Editor-in-Chief: **Rita Kalyani**), Health Information Resource Center
- 2021 Baltimore’s Top Doctors in Diabetes Care, *Baltimore Magazine*
- 2021 Named as a “World Expert in Diabetes Mellitus”, Expertscape (2011-2021)
- 2022 Endocrine Society Laureate Award for Outstanding Public Service
- 2022 Baltimore’s Top Doctors in Diabetes Care, *Baltimore Magazine*
- 2023 Castle Connolly Top Doctor for 2023

Invited Talks

JHMI/Regional

- 11/16/12 Medical Management of Type 2 Diabetes, Harbor Hospital Department of Internal Medicine Grand Rounds, Baltimore MD
- 9/15/14 Diabetes, Physical Disability, and Frailty, University of Maryland Endocrine Grand Rounds, Baltimore MD
- 5/24/17 Diabetes Management - What's New in 2017?, Prince George’s Hospital Center Medicine Grand Rounds, Cheverly, MD
- 4/13/18 Diabetes and Exercise, Johns Hopkins Center for Dynamic Health’s Exercise as Medicine Symposium, Baltimore, MD
- 11/13/18 What's New in the ADA's Standards of Care?, American Diabetes Association’s Diabetes is Primary Conference, Baltimore, MD
- 9/14/19 Cardiovascular Risk Reduction in Diabetes: What’s New in 2019?, Suburban Hospital’s Annual Diabetes Symposium, Bethesda, MD
- 10/5/19 An Overview of Diabetes and Its Global Impact, Johns Hopkins University Odyssey Program, Baltimore, MD
- 11/21/19 Working your Way through ADA’s Type 2 Diabetes Treatment Algorithm, American Diabetes Association’s Diabetes is Primary Conference, Baltimore, MD
- 01/31/20 What’s New for Cardiovascular Risk Reduction in Diabetes, ACP Maryland Chapter Annual Meeting, Baltimore, MD
- 12/17/20 Diabetes in Older Adults, St. Agnes Hospital Department of Medicine Grand Rounds, virtual conference
- 03/11/21 Glycemic Outcomes After Total Pancreatectomy with Islet Auto Transplantation (TPIAT), University of Maryland Endocrine Grand Rounds, virtual conference
- 11/4/21 Improving Health Outcomes - Part 1, American Diabetes Association’s 2021 State of Diabetes DC/MD/NOVA Series, virtual conference

National

- 11/18/11 Frailty and Hormonal Regulation of Energy Metabolism, The Gerontological Society of America’s 2011 Annual Scientific Meeting, Boston, MA
- 1/30/14 Diabetes and the Pathway to Disability, Temple University School of Medicine Endocrinology Grand Rounds, Philadelphia, PA
- 3/21/14 Improving Quality of Care for Patients with Diabetes, New York Chapter American College of Physicians Annual Scientific Meeting, Buffalo, NY
- 9/26/14 Diabetes, Physical Functioning, and Disability, Yale University Endocrine Grand Rounds, New Haven, CT
- 10/15/14 Gender Differences in Diabetes and Coronary Heart Disease, University of Michigan School of Public Health Center for Integrated Approaches to Complex Diseases (CIACD) Research Seminar, Ann Arbor, MI
- 10/16/14 Diabetes, Muscle Loss, and Disability in Older Adults, University of Michigan Geriatric Grand Rounds, Ann Arbor, MI
- 10/24/14 Novel interventions for frailty: the use of hormone-based therapies in clinical trials, Fifth Annual Robert and Arlene Kogod Center on Aging Conference, Mayo Clinic, Rochester, MN

- 12/10/14 Physical Functioning and Muscle Loss in Diabetes, University of Pennsylvania School of Medicine Endocrine Grand Rounds, Philadelphia, PA
- 2/6/15 Quality of Care Measures in Diabetes, American College of Physicians' New York Chapter Annual Scientific Meeting, West Harrison, NY
- 5/17/15 Unique Considerations of Diabetes in the Elderly, American Geriatrics Society Annual Scientific Meeting, National Harbor, MD
- 5/27/15 Diabetes and Aging, Rhode Island Diabetes & Endocrine Society (RIDES), Providence, RI
- 5/28/15 Glycemic Outcomes of Islet Auto Transplantation, Brown University Endocrine Grand Rounds, Providence, RI
- 10/6/15 Diabetes/Obesity, Exercise --muscle function, 6th International Workshop on HIV & Aging, Washington, DC
- 2/18/17 Update on 2017 American Diabetes Association's Standards of Medical Care in Diabetes, American Diabetes Association's 64th Advanced Postgraduate Course, Washington, DC.
- 3/10/17 Update on the ADA Standards of Medical Care in Diabetes, Sustainable Healthy Communities' Diabetes Index Roundtable, Boca Raton, FL.
- 3/31/17 An International Perspective on the Management of Diabetes and Obesity, American College of Physicians Annual Meeting, San Diego, CA.
- 12/7/17 The Comprehensive Diabetes Care Team: An Endocrinologist's Perspective, American College of Cardiology/New York Cardiovascular Society's Pre-Conference Symposium, New York, NY.
- 4/16/18 Engaging Patients with Diabetes Facing Many Challenges and Costs, National Minority Quality Forum Annual Leadership Summit, Washington, DC.
- 4/19/18 Managing Diabetes in Older Adults: An Overview, American College of Physicians Annual Meeting, San Diego, CA.
- 6/22/18 Aspirin for Primary Cardiovascular Risk Intervention—What's the Evidence in Patients with Diabetes?, American Diabetes Association 78th Scientific Sessions, Orlando, Florida
- 7/20/18 2018--Standards of Medical Care in Diabetes: American Diabetes Association Diabetes INSIDE Program, Tulane University Medical Grand Rounds, New Orleans, LA
- 11/10/18 Practical Strategies for Total Risk Reduction: Collaboration Between Cardiologists and Diabetologists, American Heart Association's Annual Scientific Sessions, Chicago, Illinois
- 12/3/18 Bridging the Gap Between Research and Practice: Prioritizing New Pharmacological Therapies for CVD and T2D Care, American College of Cardiology's Managing CV Disease Risk in Diabetes Roundtable, Washington, DC
- 1/29/19 Cardiovascular Risk Reduction in Diabetes, YALE-TCC Collaborative Learning Work Group Webinar Series on Nutrition and Non-Communicable Diseases in the Caribbean, New Haven, CT
- 2/22/19 What's in a Guideline? Guidelines from AACE, ACP, Endocrine Society and ADA, American Diabetes Association's 66th Advanced Postgraduate Course, New York, NY
- 5/7/19 Sex differences in racial and ethnic factors in cardiovascular disease associated with T2D, Organization for the Study of Sex Differences Annual Meeting, Washington, DC
- 7/13/19 Should We Be More Aggressive in the Management of Elevated Triglycerides in Patients with Diabetes & Cardiovascular Disease?, Puerto Rican Society of Cardiology XXVI Puerto Rican Congress of Cardiology, San Juan, Puerto Rico
- 11/4/19 Opportunities for Geroscience Research in Diabetes: Perspectives from the American Diabetes Association, NIH Geroscience Interest Group Summit III: Targeting Chronic Diseases Through Geroscience, Bethesda, MD.
- 11/16/19 Diabetes and Cardiovascular Disease: A Global Epidemic, American Heart Association Annual Scientific Sessions, Philadelphia, PA
- 6/8/20 Primary Prevention of ASCVD and T2DM in Patients at Metabolic Risk: An Endocrine Society Clinical Practice Guideline, Endocrine Society's Annual Meeting, virtual conference
- 9/11/20 Meet the Professor: Inpatient Diabetes Management, Endocrine Society's Clinical Endocrinology Update, virtual conference
- 9/11/20 Master Clinician: Implementing Current Guidelines for T2D, Endocrine Society's Clinical Endocrinology Update, virtual conference
- 9/11/21 Master Clinician: CKD and Diabetes: Management of Diabetes in Patients with Progressive CKD, Endocrine Society's Clinical Endocrinology Update, virtual conference

- 9/11/21 Meet the Professor: Pancreatogenic Diabetes, Endocrine Society's Clinical Endocrinology Update, virtual conference
- 1/11/22 Diabetes and Disability in Older Adults, University of Virginia Endocrine Grand Rounds, Charlottesville, VA, virtual conference
- 2/7/22 Sex Differences in Diabetes and Heart Disease, Harvard's Joslin Diabetes Center, virtual conference
- 6/6/22 The Future of Insulin—Weekly, Oral, Smart or Interchangeable Therapies, American Diabetes Association's 82nd Scientific Sessions, New Orleans, LA
- 11/4/22 Metabolic Syndrome, Glucose Intolerance, and Physical Resilience, The Gerontological Society of America's 2022 Annual Scientific Meeting, Indianapolis, IN
- 1/25/23 Glycemic Outcomes of Islet Transplantation, University of Florida Endocrine Grand Rounds, Gainesville, FL, virtual conference
- 2/23/23 New Therapies to Reduce Cardiovascular and Renal Risk in Diabetes, Providence Inland Northwest Washington Medicine Grand Rounds, Spokane, WA, virtual conference
- 3/22/23 Diabetes after Islet Auto Transplantation, Allegheny Health Network Endocrinology Grand Rounds, Pittsburgh, PA, virtual conference
- 4/27/23 Sarcopenia and Functional Disability in Diabetes, Advent Health Translational Research Institute, Orlando, FL
- 6/16/23 Precision Medicine to Reduce Cardiovascular Risk in Type 2 Diabetes, Endocrine Society's Annual Meeting 2023, Chicago, IL
- International*
- 6/11/11 Recent Updates in Diabetes Care, Diabetes Association of Trinidad and Tobago Annual Conference, Port-of-Spain, Trinidad
- 9/18/11 Prevention of Cardiovascular Diseases in Diabetes, Trinidad and Tobago Health Sciences Initiative Cardiovascular Diseases and Diabetes Quarterly Conference, Port-of-Spain, Trinidad
- 7/16/12 Novel Pharmacological Therapies in Type 2 Diabetes, Al-Adan Hospital Grand Rounds, Kuwait City, Kuwait
- 10/22/16 Management of Hyperglycemia and Cardiovascular Disease in Type 2 Diabetes, EndoBridge International Conference (*sponsored by The Endocrine Society, European Society of Endocrinology, and Society of Endocrinology and Metabolism of Turkey*), Antalya, Turkey, virtual presentation
- 11/18/16 Pancreatic Islet Transplantation, All India Institute of Medical Sciences Department of Endocrinology Grand Rounds, New Delhi, India
- 11/11/17 What's new in the Standards of Medical Care in Diabetes-2017, Spanish Society of Diabetes Meeting, Madrid, Spain
- 10/11/18 Diabetes Management in Older Adults: The Debate Continues, 5th Qatar Internal Medicine Conference (sponsored by the American College of Physicians and Hamad Medical Corporation), Doha, Qatar
- 10/11/18 Management of Cardiovascular Risk Factors in Diabetes, 5th Qatar Internal Medicine Conference (sponsored by the American College of Physicians and Hamad Medical Corporation), Doha, Qatar
- 11/23/18 Diabetes in Older Adults: A Unique Paradigm, University of Toronto Citywide Endocrine Rounds, Toronto, Canada
- 1/13/21 Updates in Clinical Guidelines for Diabetes, Bermuda Hospital Board Grand Rounds, virtual conference
- 2/17/21 Diabetes in the Elderly, Bermuda Hospital Board Grand Rounds, virtual conference
- 2/18/21 Plenary: Pharmacotherapy of Type 2 Diabetes: Past, present, and Future, Saudi Society of Endocrinology and Metabolism's 8th International Conference on Endocrine and Diabetes, virtual conference
- 2/18/21 Primary Prevention of ASCVD in Patients with T2D, Saudi Society of Endocrinology and Metabolism's 8th International Conference on Endocrine and Diabetes, virtual conference
- 2/20/21 Diabetes and Aging, Saudi Society of Endocrinology and Metabolism's 8th International Conference on Endocrine and Diabetes, virtual conference
- 9/9/21 Gaps and Perspectives on Gender Aspects of Diabetes Related Cardiovascular Disease, 34th

- 2/19/22 Brazilian Congress of Updates in Endocrinology and Metabolism, virtual conference
Primary Prevention of Cardiovascular Disease in Type 2 Diabetes, Saudi Society of Endocrinology and Metabolism's 9th International Conference on Endocrine and Diabetes, virtual conference
- 4/9/22 Complications, Management of Diabetes and Obesity During Perilous Times, Bermuda Hospital Board's 2nd Annual Meeting, virtual conference
- 9/5/22 Sex Differences in Diabetes and Heart Disease, Association of British Clinical Diabetologists (ABCD)'s Annual Meeting, Birmingham, United Kingdom, virtual presentation
- 9/8/22 Gender differences in the diabetes-cardiovascular connection, 35th Brazilian Congress of Endocrinology and Metabolism, Sao Paulo, Brazil
- 10/21/22 Pharmacological approach to Type 2 Diabetes Aimed at Preventing Vascular Complications, 28th Argentine Pharmaceutical Congress - Rosario 2022, Rosario, Argentina, virtual presentation
- 10/27/22 Evolution of the ADA Guidelines on Pharmacotherapy of T2D over the recent years, 2nd Saudi National Diabetes Center Forum, Riyadh, Saudi Arabia, virtual presentation
- 11/26/22 Diabetes and Aging, Saudi Society of Endocrinology and Metabolism's International Diabetes & Obesity Conference, virtual presentation