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Founded in 1991, Rainier Clinical Research Center is a private, dedicated, multi-specialty investigative site conducting Phase I-IV clinical trials for drugs and devices. We have successfully completed 600+ studies with 200+ sponsors and contract research organizations.

EXPERIENCE

1992 - PRESENT

MEDICAL DIRECTOR, RAINIER CRC, LLC

1992 - 2012

ENDOCRINOLOGY PRACTICE, SOUTHLAKE CLINIC, RENTON, WA

EDUCATION

1975 - 1980

M.B.B.CH. (MD), UNIVERSITY OF WITWATERSRAND MEDICAL SCHOOL, JOHANNESBURG, SOUTH AFRICA

POSGRADUATE TRAINING

1990 - 1992

SENIOR FELLOW IN ENDOCRINOLOGY AND METABOLISM, UNIVERSITY OF WASHINGTON (UW),

SEATTLE, WA

1989 - 1990

CHIEF RESIDENT AND ATTENTING PHYSICIAN IN INTERNAL MEDICINE, SINAI HOSPITAL, DETROIT,

MI

1987 - 1989

SENIOR RESIDENT IN INTERNAL MEDICINE, SINAI HOSPITAL, DETROIT, MI

1986 - 1987

RESEARCH PHYSICIAN DIABETES PROGRAM, WAYNE STATE UNIVERSITY, DETROIT, MI

1984 - 1986

RESIDENT IN INTERNAL MEDICINE, BARAGWANATH HOSPITAL, SOUTH AFRICA

1982 - 1983

Signature:

Date:



INTERNSHIP GENERAL SURGERY AND INTERNAL MEDICINE HILLBROW HOSPITAL, JOHANNESBURG, SOUTH AFRICA

BOARD CERTIFICATIONS

1993

ENDOCRINOLOGY, DIABETES & METABOLISM

1990

AMERICAN BOARD OF INTERNAL MEDICINE

LICENSURE TO PRACTICE

1990 - PRESENT

STATE OF WASHINGTON

1986 - 1990

STATE OF MICHIGAN

HOSPITAL POSITIONS

1992 - 2012

MEDICAL STAFF, VALLEY MEDICAL CENTER (VMC), RENTON

1996 – 1997

VICE CHAIRMAN DEPARMENT OF MEDICINE, VMC

1996 - 2008

MEDICAL DIRECTOR - HMR WEIGHT MANAGEMENT PROGRAM, VMC

1996 – 2012

MEDICAL DIRECTOR - DIABETES EDUCATION PROGRAM, VMC

FACULTY POSITIONS

1992 - 2017

CLINICAL ASSISTANT PROFESSOR OF MEDICINE, UNIVERSITY OF WASHINGTON, SEATTLE

PROFESSIONAL ORGANIZATION MEMBERSHIP

1993 - PRESENT

AMERICAN DIABETES ASSOCAITION

1995 - PRESENT

AMERICAN ASSOCIATION OF CLINICAL ENDOCRINOLOGISTS

1992 - 2012

WASHINGTON STATE MEDICAL ASSOCIATION

1993 - 1997



AMERICAN HEART ASSOCIATION, PAST PRESIDENT, SPRINGBROOK DEVISION, WA

2003 - PRESENT

FELLOW AMERICAN ASSOCIATION OF CLINICAL ENDOCRINOLOGISTS (FACE)

BIBLIOGRAPHY

- Chait A, Brazg RL, and Krauss RM: Increased oxidative susceptibility of LDL subfractions in subjects with the atherogenic lipoprotein phenotype. Arteriosclerosis and Thrombosis 11(5):1425A, 1991.
- Brazg RL, Duell PB, Gilmore M, Bierman EL, and Chait A: Effects of dietary antioxidants on LDL oxidation in non-insulin-dependent diabetes. Clin Res 40(1):103A, 1992.
- 3. Zambon S, Brazg RL, Aviram M, Oram JF, and Bierman EL: The effect of probucol on HDL-mediated sterol translocation and efflux from cells. Atherosclerosis 94(1):51-60, 1992.
- James J. Maciejko, M.S., Ph.D., Ronald Brazg, M.D., Aajay Shah, M.D., et.al.: Psyllium fiber reduces the gastrointestinal symptomatology associated with cholestyramine in the treatment of primary hypercholesterolemia. Arch Fam Med/Vol 1. Sept. 1992.
- Chait A, Brazg RL, Tribble DL, and Krauss RM: Susceptibility of small, dense low density lipoproteins to oxidative modification in subjects with the atherogenic lipoprotein phenotype, pattern B. Am. J. Med - 94 (4) 350-356, 1993.
- Brazg RL and Bierman EL: Insulin excess counteracts the effects of HDL on intracellular sterol accumulation. Diabetologia, 36:942-947, 1993.
- 7. Brazg RL: Is Glycemic control enough to control the dyslipidemia in NIDDM. Clinical Diabetes, 11;117, 1993.
- Brazg RL, Decherney S et al; Safety and efficacy of a novel extended release formulation of metformin in patients with Type II Diabetes – A dose-ranging study. Abstr. Diabetes 49; A99, 2000
- Insull W Jr, Isaacsohn J, Kwiterovich P, Ra P, Brazg R, Dujovne C, Shan M, Shugrue-Crowley E, Ripa S, Tota R: Efficacy and safety of cerivastatin 0.8 mg in patients with hypercholesterolaemia: the pivotal placebo-controlled clinical trial. Cerivastatin Study Group.
 J Int Med Res. 2000 Mar-Apr; 28(2):47-68
- J. Isaacsohn, W. Insull, E. Stein, P. Kwiterovich, P. Ma, R. Brazg, C. Dujovne, M. Shan, E. Shurgrue-Crowley, S. Ripa, R. Tota: Long-Term efficacy and safety of cerivastatin 0.8 mg in patients with primary hypercholesterolemia.
 Clin. Cardiol. 2001 Sept;24 (9Suppl):IV1-9
 PMID: 11594407 [PubMed indexed for MEDLINE]
- D.B.Hunninghake, M.D., M.E. McGovern, M.D., M. Koren, M.D., R. Brazg, M.D., D. Murdock, M.D., S. Weiss, M.D., T. Pearson, M.D., Ph.D.: A Dose-Ranging Study of a New, Once-Daily, Dual-Component Drug Product Containing Niacin Extended-Release and Lovastatin.
 Clinical Cardiology Vol. 26, No. 3, March 2003
- Feldman B, Brazg R, Schwartz S, Weinstein R: A continuous glucose sensor based on wired enzyme technology-results from a three day trial in patients with Type 1 diabetes.
 Diabetes Technol. Ther. 2033: 5(5): 769-779
- Ehlers MR, Klaff LJ, D'Alessio DA, Brazg R, Kay HD, Harley RE, Mathisen AL, Schneider R Recombinant glucagons-like peptide-1 (7-36 amide) lowers fasting serum glucose in a broad spectrum of patients with type 2 diabetes. Horm Metab Res. 2003 Oct;35 (10):611-6
- K. Fujioka, R.L. Brazg, I. Raz, S. Bruce, S. Joyal, R. Swanink, M.Pans
 Efficacy, dose-response relationship and safety of once-daily extended-release metformin
 (Glucophage XR) in type 2 diabetic patients with inadequate glycaemic control despite prior
 treatment with diet and exercise: results from two double-blind, placebo-controlled studies.
 Diabetes, Obesity and Metabolism, 7, 2005, 28-39
- Julio Rosenstock, MD, Ronald Brazg, MD, Paula J. Andryuk, BS, Kaifeng Lu, PhD, and Peter Stein, MD, for the Sitagliptin Study 019 Group



- Efficacy and safety of the dipeptidyl peptidase-4 inhibitor sitagliptin added to ongoing pioglitazine therapy in patients with Type 2 diabetes: a 24 week, multicenter, randomized, double-blind, placebo-controlled, parallel group study. Clinical Therapeutics/Volume 28, Number 10, 2006
- R. Brazg, L. Xu, C. Dalla Man, C. Cobelli, K. Thomas, P.P. Stein
 Effect of adding sitagliptin, a dipeptidyl peptidase-4 inhibitor, To metformin on 24-hour glycaemic control and []-cell function in patients with type 2 diabetes.
 Diabetes, Obesity and Metabolism, 9, 2007, 186-193
- 17. Weinstein RL, Schwartz SL, Brazg RL, Bugler JR, Peyser TA, McGarraugh GV Accuracy of the 5-day FreeStyle Navigator ® Continuous Glucose Monitoring System: comparison with frequent laboratory reference measurements. Diabetes Care. 2007 Mar2; [epub ahead of print] PMID: 17337488 [PubMed-as supplied by publisher]
- Richard L. Weinstein, MD; Sherwyn L. Schwartz, MD; Ronald L. Brazg, MD; Jolyon R. Bugler, MS; Thomas A. Peyser, Ph.D; Geoffrey V. McGarraugh, MS The Freestyle Navigator CGMS: Accuracy. The measures made with the FreeStyle Navigator were consistent and accurate.
 Review of Endocrinology. June 2008 Cover Story
- 19. John Paul Lock, MD, Ronald Brazg, MD, Robert M. Bernstein MD, Elizabeth Taylor, MS, CDE, Mona Patel, BS, Jeanne Ward, BS, Shridhara Alva, Ph.D, Ting Chen, Ph.D, Zoe Welsh, M.Sc., Walter Amor, B.Sc., Claire Bhogal, M.Sc., and Ronald Ng, Ph.D Performance of a New Test Strip for FreeStyle Blood Glucose Monitoring Systems Diabetes Technology &Therapeutics, Volume 13, Number 1, 2011 DOI: 10.1089.dia.2010.0116
- 20. Peoples T, MA, ELS, Bailey T, MD, FACE, FACP, Brazg R, MD, FACE, Zisser HC, MD Janowski B, BA, Huang S, MS, Talbot C, BSEE, Yang Q, MS Accuracy Performance of the Medtronic NexSensor™ for 6 Days in an Inpatient Setting Using Abdomen and Buttocks Insertion Sites. J Diabetes Sci Technol. 2011;5(2):358-364.
- 21. Brazg RL, Bailey TS, Garg S, et al. The ASPIRE study: Design and methods of an in-clinic crossover trial on the safety and efficacy of the automatic insulin pump suspension in exercise-induced hypoglycemia. J Diabetes Sci Technol 2011;5:1466-71
- 22. Keenan DB, Mastrototaro JJ, Zisser H, Cooper KA, Raghavendhar G, Lee SW, Yusi J, Bailey T, Brazg RL, Shah RV Accuracy of the Enlite 6-Day Glucose Sensor with Guardian and Veo Calibration Algorithms. Diabetes Technology & Therapeutics, 2011 Dec 6[Epub ahead of print] PMID: 22145851 [PubMed-as supplied by publisher]
- 23. Geoffrey M, Brazg R, Richard W, FreeStyle Navigator Continuous Glucose Monitoring System with TRUstart algorithm, a 1-hour warm-up time J Diabetes Sci Technol 2011 Jan 1;5(1):99-106 PMID: 21303631 [PubMed-indexed for MEDLINE]
- 24. Garg S, Brazg RL, Bailey TS, Buckingham BA, Slover RH, Klonoff DC, Shin J, Welsh JB, Kaufman FR Reduction in duration of hypoglycemia by automatic suspension of insulin delivery: the in-clinic ASPIRE study. Diabetes Technol Ther. 2012 Mar 14(3):205-0. Epub 2012 Feb 8
- Brazg, RL., Klaff, LJ, Parkin, CG Performance variability of seven commonly used self-monitoring of blood glucose systems: clinical considerations for patients and providers
 J Diabetes Sci Technol; 2013 Jan 1;7(1):144-15.
- Ronald Brazg, Kristen Hughes, Pamela Martin, Julie Coard, John Toffaletti, Elizabeth McDonnell, Elizabeth Taylor, Lausanne Farrell, Mona Patel, Jeanne Ward, Ting Chen, Shridhara Alva, Ronald Ng. Clinical Evaluation of the FreeStyle Precision Pro System. Clinica Chimica Acta 421 (2013) 243-250
- 27. Garg SK, Brazg RL, Bailey TS, Buckingham BA, Slover RH, Klonoff DC, Shin J, Welsh JB, Kaufman FR. Hypoglycemia begets hypoglycemia: The order effect in the ASPIRE in-clinic study. Diabetes Technol Ther. 2014 Mar 16(3):125-30. Epub2014 Jan 9
- 28. Bailey TS, Ahmann A, Brazg R, Christiansen M, Garg S, Watkins E, Welsh JB, Lee SW. Accuracy and Acceptability of the 6-Day Enlite Continuous Subcutaneous Glucose Sensor. Diabetes Technol Ther. 2014 May;16(5):277-83. DOI: 10.1089/dia.2013.0222. Epub 2014 Apr 7. PMID: 24758729.

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- 29. Leslie J. Klaff, MD, PhD, Ronald Brazg, MD, Kristen Hughes, BS, Ann M. Tideman, BS, CCRA, Holly C. Schachner, MD, Patricia Stenger, RN, CDE, Scott Pardo, PhD, PStat, Nancy Dunne, RN, BSN, CDE, and Joan Lee Parkes, PhD, CCRA. Accuracy Evaluation of Contour Next Compared with Five Blood Glucose Monitoring Systems Across a Wide Range of Blood Glucose Concentrations Occurring in a Clinical Research Setting. Diabetes Technology & Therapeutics, Volume 17, Number 1, 2015, DOI: 10.1089/dia.2014.0069
- Ronald L. Brazg, MD, Leslie J. Klaff, MD and Allen M. Sussman, MD. New Generation Guide Blood Glucose Monitoring System Exceeds International Accuracy Standards. Journal of Diabetes Science and Technology; 2016, DOI: 10.1177/1932296816652902
- 31. Buckingham BA, Bailey TS, Christiansen M, Garg S, Weinzimer S, Bode B, Anderson SM, Brazg R, Ly T, Kaufman FR. Evaluation of a Predictive Low-Glucose Management System In-Clinic. Diabetes Technol Ther. 2017 Feb 16 DOI: 10.1089/dia.2016.0319 [Epub ahead of print] PMID: 28221832
- 32. Garg SK, Weinzimer SA, Tamborlane WV, Buckingham BA, Bode BW, Bailey TS, Brazg RL, Ilany J, Slover RH, Anderson SM, Bergenstal RM, Grosman B, Roy A, Cordero TL, Shin J, Lee SW, Kaufman FR. Glucose Outcomes with the In-Home Use of a Hybrid Closed-Loop Insulin Delivery System in Adolescents and Adults with Type 1 Diabetes. Diabetes Technol Ther. 2017 Mar;19(3):155-163. DOI: 10.1089/dia.2016.0421. Epub 2017 Jan 30. PMID 28134564
- 33. Mark P. Christiansen, MD, Leslie J. Klaff, MD, PhD, Ron Brazg, MD, Anna R. Chang, MD, Carol J. Levy, MD, David Lam, MD, Douglas S. Denham, DO, George Atiee, MD, Bruce W. Bode, MD, Steven J. Walters, MS, Lynne Kelley, MD, and Timothy S. Bailey, MD. A Prospective Multicenter Evaluation of the Accuracy of a Novel Implanted Continuous Glucose Sensor: PRECISE II. Diabetes Technology & Therapeutics, Volume 20, Number 3, 2018, DOI: 10.1089/dia.2017.0142
- 34. Cordero TL, Garg SK, Brazg R, Bailey TS, Shin J Lee, SW, Kaufman FR. The Effect of Prior Continuous Glucose Monitoring Use on Glycemic Outcomes in the Pivotal Trial of the Minimed™ 670G Hybrid Closed-Loop System. Diabetes Technology & Therapeutics 2017 Dec;19 (12):749-752. Doi: 10-1089/dia.2017.0208. Epub2017 Nov17. PMID:29148821
- 35. Christiansen MP, Garg SK, Brazg R, Bode BW, Bailey TS, Slover RH, Sullivan A, Huang S, Shin J Lee, SW, Kaufman FR. Accuracy of A Fourth-Generation Subcutaneous Continuous Glucose Sensor. Diabetes Technology & Therapeutics 2017 Aug;19(8):446-456. Doi: 10-1089/dia.2017.0087. Epub 2017 Jul 12. PMID: 28700272
- 36. Slover, RH, Tryggestad JB, DiMeglio LA, Fox LA, Bode BW, Bailey TS, Brazg R, Christiansen MP, Sherr JL, Tsalikian E, Kaiserman KB, Sullivan A, Huang S, Shin J, Lee SW, Kaufman FR. Accuracy of a Fourth-Generation Continuous Glucose Monitoring System in Children and Adolescents with Type 1 Diabetes. Diabetes Technology & Therapeutics 2018 Sep;20(9):576-584. DOI: 10.1089/dia.2018.0109. Epub 2018 Jul31. PMID: 30063162
- Klonoff DC, Parkes JL, Kovatchev BP, Kerr D, Bevier WC, Brazg RL, Christiansen M, Bailey TS, Nichols JH, Kohn MA. Investigation of the Accuracy of 18 Marketed Blood Glucose Monitors. Diabetes Care. 2018 Aug;41(8):1681-1688. DOI: 10.2337/dc17-1960. Epub 2018 Jun 13.
- Christiansen MP, Klaff LJ, Brazg R, Chang AR, Levy CJ, Lam D, Denham DS, Atiee G, Bode BW, Walters SJ, Kelley L, Bailey TS. A Prospective Multicenter Evaluation of the Accuracy of a Novel Implanted Continuous Glucose Sensor: PRECISE II. Diabetes Technology & Therapeutics 2018 Mar;20(3):197-206. DOI: 10.1089/dia.2017.0142. Epub 2018 Jan 30. PMID: 9381090
- 39. Bergenstal RM, Peyrot M, Dreon DM, Aroda VR, Bailey TS, Brazg RL, Frias JP, Johnson ML, Klonoff DC, Kruger DF, Ramtoola S, Rosenstock J, Serusclat P, Weinstock RS, Naik RG, Shearer DM, Zraick V, Levy BL; Calibra Study Group. Implementation of Basal-Bolus Therapy in Type 2 Diabetes: A Randomized Controlled Trial Comparing Bolus Insulin Delivery Using an Insulin Patch with an Insulin Pen. Diabetes Technology & Therapeutics 2019 May; 21(5):273-285. Doi: 10.1089/dia.2018.0298. Epub 2019 Apr 26. PMID: 31025878
- 40. Christiansen MP, Klaff LJ, Bailey TS, Brazg R, Carlson G, Tweden KS. A Prospective Multicenter Evaluation of the Accuracy and Safety of an Implanted Continuous Glucose Sensor: the PRECISION

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- **Study.** Diabetes Technology & Therapeutics 2019 May; 21(5):231-237. Doi:10.1089/dia.2019.0020. Epub 2019 Mar29. PMID: 30925083.
- 41. Alva S, Bailey T, Brazg, R, Budiman, ES, Castorino K, Christiansen MP, Forlenza G, Kipnes M, Liljenquist DR, Liu H; Accuracy of a 14-Day Factory-Calibrated Continuous Glucose Monitoring System With Advanced Algorithm in Pediatric and Adult Population With Diabetes. Journal of Diabetes Science and Techology 2020 Sep19. Doi: 10.1177/1932296820958754. PMID: 32954812.
- Christiansen M, Bartee A, Lalonde A, Jones RE, Katz M, Wolpert H, Brazg R. Performance of an Automated Insulin Delivery System: Results of Early Phase Feasibility Studies. Diabetes Technology & Therapeutics 2020 Oct5. Doi: 10.1089/dia.2020.0318. PMID: 32940537.