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**CURRICULUM VITAE**  
BARBARA RUTH HIRSCH, M.D. MS F.A.C.E.  
North Shore Diabetes & Endocrine Associates  
3003 New Hyde Park Road  
Suite 201  
New Hyde Park, New York 11042  
516-327-0850

September 2019

**PERSONAL DATA:**

Date of Birth: September 30, 1955  
Marital Status: Married, two children

**EDUCATION:**

Masters 2013 M.S. Narrative Medicine, Columbia University; New York  
Medical School 1980 M.D., SUNY Buffalo School of Medicine,  
Buffalo, New York  
Undergraduate 1976 B.S., Human Development and Family Studies,  
Cornell University, Ithaca, New York

**POSTGRADUATE:**

Fellowship 1983-1985 Endocrinology, Albert Einstein College of Medicine,  
Bronx, New York  
Residency 1981-1983 Internal Medicine, Mt. Sinai Hospital,  
New York, New York  
Internship 1980-1981 Internal Medicine, Long Island Jewish Hospital,  
New Hyde Park, New York

**BOARD CERTIFICATIONS:**

1995 Fellowship American College of Endocrinology  
1985 Endocrinology and Metabolism  
1983 Internal Medicine  
1981 National Board of Medical Examiners

**MEDICAL LICENSURE:**

July 1981

New York # 146421

## CURRENT POSITION

- 1985-Present Endocrinologist and Partner  
Director of American Diabetes Association accreditation  
North Shore Diabetes and Endocrine Associates,  
New Hyde Park, New York
- July 2011 – Present Clinical Assistant Professor; Department of Medicine  
**Donald and Barbara Zucker School of Medicine at Hofstra**
- March 2010-Present Humanities in Medicine Program/Osler Society  
advisory committee ,**Donald and Barbara Zucker School  
of Medicine at Hofstra** 2013-Present  
Founder and facilitator of “Come Write with Us”  
writing group for the **Donald and Barbara Zucker School of  
Medicine at Hofstra**
- January 2015-Present Healer’s Art faculty; **Donald and Barbara Zucker School of  
Medicine at Hofstra Northwell**
- 2016-Present Humanities and Medicine, MS4 elective; **Donald and Barbara  
Zucker School of Medicine at Hofstra**
- 2016-Present Sustaining Doctors Committee; Center for Pastoral Education  
The Jewish Theological Seminary
- 2016-Present Healing Professionals advisory board, Temple BethEl, Great  
Neck, New York
- March 2011 to 2017 Narrateur Reflections on Caring; **Donald and Barbara Zucker  
School of Medicine at Hofstra**, Editorial Advisory Board,  
Photography

## ATTENDING STAFF

- 1995 - Present North Shore University Hospital,  
Manhasset, New York
- 1986 - Present Long Island Jewish Hospital,  
New Hyde Park, New York
- 1985 - 1996 Little Neck Community Hospital,  
Little Neck, New York

## PUBLICATIONS, PODCASTS

- 2019 <https://www.journalofhealthdesign.com/JHD/podcasts>
- 2019 Hershon, K. S., Hirsch, B. R., & Odugbesan, O. (2019).  
Importance of Postprandial Glucose in Relation to A1C and  
Cardiovascular Disease. *Clinical Diabetes*, Cd180040.  
doi:10.2337/cd18-0040
- 2014 Jhaveri KD, Berger E, Shah HH, Ouchi T, Mandel H, Hirsch  
B, Farber N, Nelkin M, Murn M, Fornari A. Narrative Medicine

2012 Reflective Writing in the Dialysis Unit. Poster presentation at The American Society of Nephrology, Philadelphia, Nov 2014.

2012 Hirsch, Barbara. *Into the Wind*. 2007. *Narrateur Reflections on Caring*. 1<sup>st</sup> ed. pg. 39. Print.

2012 Issac Sachmechi, Aileen Wang, and Barbara Hirsch. An Unusual Case of Levothyroxine Allergy. *AACE 21st Annual Scientific and Clinical Congress*. 23 May 2012 Philadelphia, PA: AACE, 2012. Print.

1987 Hirsch, Shamoon: Defective Epinephrine and Growth Hormone Responses in Type I Diabetes Are Stimulus Specific. *Diabetes* 36:20-26.

1982 Davis, Spector, Hirsch, Walshe, Yoshida: Comparison of Pituitary Thyroid Function in Patients with End-Stage Renal Disease and In Age- and Sex-Matched Controls. *Kidney International* 21:362-364

1976 Poger, Hirsch, Lamm: Synthesis of Secretory Component in Colonic Neoplasms. *American Journal of Pathology*; 82:327-338

**ADVISORY BOARDS, CONFERENCES, LECTURES**

2019 Novo Nordisk Curriculum Development Meeting, Princeton, New Jersey

2019 Diabetes Management with the Free Style Libre American College of Physicians, Philadelphia, Pennsylvania

2018 Novo Nordisk Practice Insights Focus Group on Tuesday, December 4, 2018 in New York, NY

2018 Janssen Cardiometabolic Council Advisory Board Meeting Houston, Texas

2018 Diabetes Management with the Free Style Libre System American Association of Family Physicians, New Orleans

2017 Sanofi Regional Consultants Advisory Board, New York

2017 Primed NY- Experience with INVOKANA: Clinical Trial Results and Real-World Evidence

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2017 Patient Input Forum on Hypoglycemia and Diabetes Management; Merck; Kenilworth, New Jersey

2017 Pri-Med Long Brooklyn

2017 Diabetes Scientific Council Meeting, Janssen Pharmaceuticals, Houston, Texas

2016 US Diabetes Community Endocrinologist Expert Input Forum, Merck, Jersey City, New Jersey

2016 Diabetes Scientific Council Meeting, Janssen, Dallas Texas

2016 Health Systems Type 2 Diabetes Management Advisory Board, Dallas, Texas

- 2015 Experiencia Clinica con SGLT-2 en EE.UU  
XXVI Congreso Nacional de la Sociedad Espanola de Diabetes; 15-17 Abril 2015
- 2015 Fall Steering Committee Meeting, Janssen, SF, CA  
November 2015
- 2015 Steering Committee Meeting, Janssen, Houston, Texas,  
MAY 2015
- 2014-Present, annual Narrative Ethics lecture, Certificate in Clinical Bioethics,  
Hofstra University Bioethics Center
- 2014 "Facilitator Narrative Workshop."  
Student Advising. Columbia University. Columbia  
University, New York. 2014. Lecture.
- 2014 Identifying the T2DM Treatment Algorithm in an Evolving  
Landscape; Advisory board, Janssen, Short Hills, New  
Jersey
- 2012 Issac Sachmechi, Aileen Wang, and Barbara Hirsch.  
An Unusual Case of Levothyroxine Allergy. *AACE 21st  
Annual Scientific and Clinical Congress*. 23 May 2012  
Philadelphia, PA: AACE, 2012. Print.
- 1985 American Diabetes Association: Counter-regulatory  
Hormones (CRH) During Exercise: Variable Dependence on  
Ambient Glycaemia.
- 1980 American Society of Nephrology: *The Pituitary-Thyroid  
Gland Axis is Normal in Chronic Renal Failure*.

#### MEMBERSHIPS

Human Ecology Alumni Association Board; Cornell  
University (HEAA)  
American Diabetes Association; Professional Education Committee of the Long  
Island Chapter  
New York Diabetes Association Clinical Society  
American College of Physicians  
Nassau Chapter of American Medical Women's Association,  
Board Member of National Council of Women in Medicine, Board of Trustees  
North American Menopause Society  
American Association of Clinical Endocrinologists  
Endocrine Society

#### HONORS/AWARDS

- 1980 Dr. Louis Sklarow Outstanding Graduate in Medicine Award

1980 Emilie Davis Rodenberg Memorial Award for Academic  
Excellence in the Study of Diabetes and its Complications  
1976 Robert Wood Johnson Scholarship for Medical Studies

## PRESENTATIONS

2006 The Role of Angiotensin Blockade in the Treatment of  
Hypertension in Diabetes Mellitus; Queens Hospital Center;  
Sinai School of Medicine Department of Medicine Grand  
Rounds  
1994 Joan Hamberg Show, WOR radio broadcast  
*The Role of Estrogen Replacement Therapy for Women at  
Mid-Life American Diabetes Association*  
1994 Lauren Collier, Channel 68, Osteoporosis -Diagnosis and  
treatment

## CME CONFERENCES/Presented As DIRECTOR OF EDUCATIONAL PROGRAMMING

March 14, 2002 The Heterogeneous Etiology of Type 2 Diabetes and Its  
Impact on Coronary Artery Disease and Mortality, jointly sponsored by North Shore  
Long Island Jewish Health System and North Shore Diabetes & Endocrine Associates.  
The Water's Edge, Long Island City, NY, 3.0 ACCME credits. Supported by an  
unrestricted grant from Pfizer Inc

June 27, 2001 Advances and Changes Trends in Medicine jointly  
sponsored by North Shore Long Island Jewish Health System and North Shore  
Diabetes & Endocrine Associates. The Vanderbilt, Plainview, NY. 3.0 AACME credits.  
Supported by an unrestricted grant from Aventis Pharmaceuticals

April 24, 2001 The Heterogeneous Etiology of Type 2 Diabetes and Its  
Impact on Coronary Artery Disease and Mortality, jointly sponsored by North Shore  
Long Island Jewish Health System and North Shore Diabetes & Endocrine Associates.  
The Roslyn Claremont Hotel, Roslyn, NY, 3.0 ACCME credits. Supported by an  
unrestricted grant from Pfizer Inc

December 14, 2000 Obesity and Thyroid Dysfunction: A Clinical Overview,  
jointly sponsored by The Foundation for Better Health Care and North Shore Diabetes &  
Endocrine Associates. The Hilton Huntington, Melville, NY. 2.5 ACCME credits.  
Sponsored by an unrestricted grant from Knoll Pharmaceuticals.

June 22, 2000 Current Trends in Diabetes Treatment and the Impact of  
Cardiovascular Disease on the Affected Population, jointly sponsored by Long Island  
Jewish Medical Center and North Shore Diabetes & Endocrine Associates. The Mark

Hotel, New York, NY. 3.0 ACCME credits. Supported by an unrestricted grant from SmithKline Beecham Pharmaceuticals.

March 4, 11, 18 2000      Obesity In The Millennium – Taking Control, jointly sponsored by Long Island Jewish Medical Center and North Shore Diabetes & Endocrine Associates. Water's Edge Restaurant, Long Island City, NY., Roslyn Claremont Hotel, Roslyn, NY and Wyndham Windwatch Hotel, Hauppauge, NY. 2.5 ACCME credits. Supported by an unrestricted grant from Roche Pharmaceuticals.

December 2, 1999      Type 2 Diabetes – A Rational Approach to Management in the Millennium, jointly sponsored by Mount Sinai School of Medicine, Page and William Black Post-Graduate School for Continuing Medical Education and North Shore Diabetes & Endocrine Associates. Punta D'oro Restaurant, Astoria, NY. 3.0 ACCME credits. Supported by an unrestricted grant from Bristol-Myers Squibb.

November 10, 1999      Type 2 Diabetes Training: The Management of Concurrent Conditions, jointly sponsored by Mount Sinai School of Medicine and North Shore Diabetes & Endocrine Associates. Roslyn Claremont Hotel, Roslyn, NY. 3.0 ACCME credits. Supported by an unrestricted grant from Bristol-Myers Squibb

October 23, 1999      Insulin Resistance Syndrome – Current Approaches in the Management of Type 2 Diabetes, jointly sponsored by Mount Sinai School of Medicine, Page and William Black Post-Graduate School for Continuing Medical Education and North Shore Diabetes & Endocrine Associates. The Garden City Hotel, Garden City, NY. 4.0 ACCME credits. Supported by an unrestricted grant from Parke-Davis Pharmaceuticals.

October 13, 1999      Successful Strategies for the Control of Type 2 Diabetes, jointly sponsored by Long Island Jewish Medical Center and North Shore Diabetes & Endocrine Associates. Garden City Hotel, Garden City, NY. 2.0 ACCME credits, Supported by and unrestricted grant from Eli Lilly & Company.

September 29, 1999      Male Hypogonadism and Erectile Dysfunction – Understanding the Differences, jointly sponsored by Mount Sinai School of Medicine, Page and William Black Post-Graduate School for Continuing Medical Education and North Shore Diabetes & Endocrine Associates. Roslyn Claremont Hotel, Roslyn, NY. 2.5 ACCME credits. Supported by an unrestricted grant from Alza Pharmaceuticals.

June 3 1999/

June 26, 1999      Safety & Efficacy of Oral Hypoglycemic Agents - Individualizing the Approach, jointly sponsored by Long Island Jewish Medical Center and North Shore Diabetes & Endocrine Associates. Wyndham Windwatch Hotel,

Hauppauge, LI and Garden City Hotel, Garden City, NY. 2.0 ACCME credits.  
Supported by an unrestricted grant from Parke-Davis Pharmaceuticals.

February, March,

May 1999 Diabetes in the Millennium – Complication Prevention and New Treatment Options, co-sponsored by Long Island Jewish Medical Center and North Shore Diabetes & Endocrine Associates. The Garden City Hotel, Garden City, NY, Wyndham Windwatch Hotel, Hauppauge, LI and Waters' Edge, Long Island City, NY. 3.0 ACCME credits. Supported by an unrestricted grant from Schering Diabetes and Novo Nordisk.

November 14, 1998 Insulin Resistance Syndrome – The Pathway to Glucose Control, co-sponsored by Long Island Jewish Medical Center and North Shore Diabetes & Endocrine Associates. The Garden City Hotel, Garden City, NY. 5.0 ACCME credits. Supported by an unrestricted grant from Parke-Davis Pharmaceuticals.

August 9, 1998 Treatment for Obesity – Triangle for Success – Behavior, Nutrition, Medication, co-sponsored by Long Island Jewish Medical Center and North Shore Diabetes & Endocrine Associates. The Long Island Marriott, Uniondale, L.I. 2.5 ACCME credits. Supported by an unrestricted grant from Knoll Pharmaceuticals.

May 20, 1998/

June 3, 1998 Type 2 Diabetes Training – Incorporating New Treatment Modalities into Clinical Practice, co-sponsored by Long Island Jewish Medical Center and North Shore Diabetes & Endocrine Associates. Wyndham Windwatch Hotel, Hauppauge, LI and the Garden City Hotel, Garden City, NY. 2.5 ACCME credits. Supported by an unrestricted grant from Bristol-Myers Squibb Pharmaceuticals.

February 24, 1998 Designer Estrogens & Postmenopausal Health-Understanding Selective Estrogen Receptor Modulators (SERMS), co-sponsored by Long Island Jewish Medical Center and North Shore Diabetes & Endocrine Associates. The Garden City Hotel, Garden City, NY. 2 ACCME credits. Supported by an unrestricted grant from Eli Lilly & Company.

October 11, 1997 Perspective on the Treatment and Prevention of Non-Insulin Dependent Diabetes Mellitus, co-sponsored by Long Island Jewish Medical Center and North Shore Diabetes & Endocrine Associates. The Garden City Hotel, Garden City NY. 5 ACCME credits. Supported by an unrestricted grant from Bristol-Myers Squibb Pharmaceuticals.

## RESEARCH

Sub Investigator- Insulin for Type 1 Diabetics- Mylan  
Sub-Investigator – Oral Hypertriglyceridemia agent – KOWA  
Sub Investigator- Injectable medication for Hyperlipidemia- Regeneron  
Sub Investigator- MACE assessment of weight loss medication – Eisai  
Sub Investigator-Injectable Diabetic Medication- Sanofi  
Sub Investigator-Injectable Diabetic Medication-Sanofi  
Sub Investigator- MACE assessment of an Oral Diabetic Agent- AstraZeneca  
Sub Investigator-Diabetic Nephropathy-AbbVie  
Sub Investigator-infusible medication for insulin pump- Halozyme Therapeutics  
Sub Investigator-Oral Diabetic Agent- Bristol-Myers  
Sub Investigator-Injectable medication for Hyperlipidemia- Amgen  
Sub Investigator-Injectable Diabetic Medication- Sanofi  
Sub Investigator-Insulin for Type 2 Diabetics- Sanofi  
Sub Investigator-Insulin for Type 1 Diabetics- Sanofi  
Sub Investigator-Insulin for Type 2 Diabetics- Lilly  
Sub Investigator-Insulin for Type 1 Diabetics- Lilly  
Sub Investigator- Diabetic Nephropathy-Abbott  
Sub Investigator- Insulin Delivery Device- Valeritas  
Sub Investigator- Oral Diabetic Agent- Johnson and Johnson  
Sub Investigator- Oral Diabetic Agent- AstraZeneca  
Sub Investigator- Inhaled insulin (device)-MannKind  
Sub Investigator- Diabetic Nephropathy-Fibrogen  
Sub Investigator- Oral Diabetic Agent- Forest (x2)  
Sub Investigator- Oral Diabetic Agent- Akros  
Sub Investigator- Oral Diabetic Agent- Johnson and Johnson  
Sub Investigator- Inhaled insulin (COPD) - MannKind  
Sub Investigator- Hypertension- Novartis  
Sub Investigator- Injectable Diabetic Medication- Amylin  
Sub Investigator- Injectable Diabetic Medication- Novo Nordisk  
Sub Investigator- Oral Diabetic Agent-Novartis  
Sub Investigator- Oral Diabetic Agent- National Institute of Health  
Sub Investigator – Hypertension- Takeda  
Sub Investigator – Nephropathy- Nephrogenex  
Sub Investigator- Injectable Diabetic Medication- Amylin  
Sub Investigator - Painful Diabetic Neuropathy Abbott  
Sub-Investigator- Insulin- Brigham Women’s Hospital  
Sub-Investigator- Oral Diabetic agent- National Institute of Health  
Sub-investigator- Insulin/Drug Naïve – Bristol Meyers Squibb

Sub-investigator- Microalbuminuria and Gross Albuminuria- Kerry  
Sub-investigator- Latent Autoimmune Disease of the Adult- DeveloGen  
Sub-investigator- Lipid- Merck  
Sub-investigator- Inhaled Insulin- MannKind  
Sub-investigator- Inhaled Insulin- NovoNordisk  
Sub-investigator- Hypertension- Novartis  
Sub-investigator- Metabolic Syndrome- Bristol Myers Squibb/Sanofi Partnership  
Sub-Investigator- Nephropathy- Speedel  
Sub-Investigator – Lipid/Diabetes – Merck  
Sub-Investigator – Insulin – Aventis  
Sub-Investigator – Osteoporosis – Wyeth-Ayerst  
Sub-Investigator – Oral Diabetic – Novartis  
Sub-Investigator – Pump X2 – Restoragen  
Sub-Investigator – Insulin – NovoNordisk  
Sub-Investigator – Oral Diabetic – Bristol-Myers  
Sub-Investigator – Oral Diabetic – Novartis  
Sub-Investigator – Fast Acting Insulin – Aventis  
Sub-Investigator – Long Acting Insulin – Aventis  
Sub-Investigator – Oral Diabetic – Wyeth-Ayerst  
Sub-Investigator – Oral Diabetic – Bristol-Myers Squibb  
Sub-Investigator – Oral Diabetic – Bristol-Myers Squibb  
Sub-Investigator – Oral Diabetic – Insmed  
Sub-Investigator – Oral Diabetic – Aventis  
Principal Investigator – Oral Diabetic – Novartis  
Sub-Investigator – Oral Diabetic – Pfizer  
Sub-Investigator – Hypertension – Bristol-Myers Squibb  
Sub-Investigator – Oral Diabetic – Pharmacia & Upjohn  
Sub-Investigator – Oral Diabetic – AstraZeneca  
Sub-Investigator – Oral Diabetic – Takeda  
Sub-Investigator – Oral Diabetic – Takeda  
Sub-Investigator – URI – ViroPharma  
Sub-Investigator – Anemia in Early Renal Insufficiency (X2) – OrthoBiotech  
Sub-Investigator – Lipid/Diabetes – Merck  
Sub-Investigator – Oral Diabetic – Merck  
Sub-Investigator – Oral Diabetic – Bristol-Myers Squibb  
Sub-Investigator – Painful Diabetic Neuropathy – Bristol-Myers Squibb  
Sub-Investigator – Oral Diabetic – Pharmacia & Upjohn  
Sub-Investigator – Insulin – Hoechst Marion Roussel  
Sub-Investigator – Hypertension – Bristol Myers Squibb  
Sub-Investigator - Hypercholesterolemia - Park Davis/Pfizer  
Sub-Investigator - Lipid Lowering - Park Davis/Pfizer  
Sub-Investigator - Oral Diabetic (x3) Glaxo Wellcome

Sub-Investigator - Hypertriglyceridemia - Rhone-Poulenc Rorer  
Sub-Investigator - Oral Diabetic - Takeda  
Sub-Investigator - Hyperlipidemia - SmithKline  
Sub-Investigator - Oral Diabetic - Parke-Davis  
Sub-Investigator - Oral Diabetic - Novartis  
Sub-Investigator - Obesity & Diabetes - Amgen  
Sub-Investigator - Neuropathy - Parke-Davis  
Sub-Investigator - Flu - Hoffman LaRoche  
Sub-Investigator - Diabetic Macular Edema - Eli Lilly  
Sub-Investigator - Diabetic Retinopathy - Eli Lilly  
Sub-Investigator - HRT - Berlex Labs  
Sub-Investigator - Inhaled Insulin (x3) - Pfizer  
Sub-Investigator - Obesity - Hoffman LaRoche  
Sub-Investigator - Oral Diabetic - Parke-Davis  
Sub-Investigator - Hypertension (x3) - Bristol-Myers Squibb  
Sub-Investigator - Oral Diabetic (Extension) - Takeda  
Sub-Investigator - Oral Diabetic - Bristol-Myers Squibb  
Sub-Investigator - Obesity - Amgen  
Sub-Investigator - Obesity - Amgen  
Sub-Investigator - Hypertension - Novartis  
Sub-Investigator - Oral Diabetic - Novartis  
Sub-Investigator - Disposable Pen - Eli Lilly  
Sub-Investigator - Oral Diabetic - Parke-Davis  
Sub-Investigator - Diabetic Polyneuropathy - Pfizer  
Sub-Investigator - Diabetic Foot Ulcer - Organogenesis  
Sub-Investigator - Diabetic Oral Agent - Takeda America  
Sub-Investigator - New Insulin - Type I - Hoechst Marion Roussel  
Sub-Investigator - Diabetic Oral Agent - Glaxo Wellcome  
Sub-Investigator - Diabetic Oral Agent - Bristol-Myers Squibb  
Sub-Investigator - Diabetic Oral Agent - Bristol-Myers Squibb  
Sub-Investigator - Genitourinary Atrophy - Eli Lilly  
Sub-Investigator - Diabetic Oral Agent - Takeda America  
Sub-Investigator - Diabetic Oral Agent - Takeda America  
Sub-Investigator - Diabetic Oral Agent - Takeda America  
Sub-Investigator - Diabetic Oral Agent & CHF - SmithKline Beecham Pharmaceuticals  
Sub-Investigator - Diabetic Oral Agent - SmithKline Beecham Pharmaceuticals  
Sub-Investigator - Diabetic Oral Agent - SmithKline Beecham Pharmaceuticals  
Sub-Investigator - Erectile Dysfunction - Schiff & Co.  
Sub-Investigator - New Insulin - Type II - Hoechst Marion Roussel  
Sub-Investigator - New Insulin - Type I - Hoechst Marion Roussel  
Sub-Investigator - Hormone Patch - Wyeth-Ayerst  
Sub-Investigator - Renal Impairment Type II Diabetics - Takeda

Sub-Investigator - Obesity - Wyeth-Ayerst  
Sub-Investigator - Hypopituitary - Eli Lilly  
Sub-Investigator - Fast Acting Insulin Combination - Eli Lilly  
Sub-Investigator - CHF - Ciba (Novartis)  
Sub-Investigator - Intravitreal Hemorrhage - Advanced Corneal Systems  
Sub-Investigator - Metastatic Bone Disease - Boehringer-Mannheim  
Sub-Investigator - Fast Acting Insulin - Novo Nordisk  
Sub-Investigator - Diabetic Oral Agent - Takeda  
Sub-Investigator - Diabetic Oral Agent - Bayer  
Sub-Investigator - Diabetic Oral Agent - Parke-Davis  
Sub-Investigator - Alzheimer - Pfizer  
Sub-Investigator - Proteinuria - Merck  
Sub-Investigator - Diabetic Lower Extremity Ulcers - Oxford  
Sub-Investigator - Osteoporosis - Merck  
Sub-Investigator - New Insulin in NIDDM - Hoechst-Roussel  
Sub-Investigator - New Insulin in IDDM - Hoechst-Roussel  
Sub-Investigator - Endometrial Hyperplasia - Eli Lilly  
Sub-Investigator - Osteoporosis - Eli Lilly  
Sub-Investigator - Essential Hypertension - Wyeth-Ayerst  
Sub-Investigator - Diabetic Gastroparesis - Janssen Research Foundation  
Sub-Investigator - Diabetic Nephropathy Type I - Alteon  
Sub-Investigator - Diabetic Nephropathy Type II - Alteon  
Sub-Investigator - Peripheral Arterial Occlusive Disease - Alpha Therapeutic Corporation  
Sub-Investigator - Non-healing Foot Ulcer Study Phase III - Advanced Tissue Sciences  
Sub-Investigator - Erectile dysfunction Phase III & Open-label - Vivus  
Sub-Investigator - Erectile dysfunction Phase II - Vivus  
Sub-Investigator - Infected Diabetic Foot Ulcers, Magainin  
Sub-Investigator - Foot Ulcer Study, Telios  
Sub-Investigator - Non-healing Foot Ulcer Study Phase II - Advanced Tissue Sciences  
Sub-Investigator - Combined Oral Agent - Hoechst