

## CURRICULUM VITAE

Name: Ved V. Gossain, M.D.

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- Office: B323 Clinical Center Bldg., Dept. of Medicine, Michigan State University, East Lansing, MI 48824

-Sparrow Diabetes Center: Sparrow Professional Building  
1200 East Michigan Avenue, Suite 340  
Lansing, MI 48912

Marital Status: Married, three children

Citizenship: U.S.A. (Naturalized)

Present Position: Swartz Professor of Medicine and Chief, Division of Endocrinology and Metabolism, College of Human Medicine, Michigan State University, East Lansing, MI  
Program Director, Endocrinology Fellowship

Qualifications: M.B.B.S. (Equiv. M.D.)  
Medical College Amritsar, India - 1963

M.D. (Internal Medicine) Post Doctoral Degree in Medicine  
All India Institute of Medical Sciences, New Delhi, India - May 1967

Board Certification: American Board of Internal Medicine - Internal Medicine, 1973

American Board of Internal Medicine - Endocrinology & Metabolism, 1975

Royal College of Physicians of Canada - Internal Medicine, 1973

Licensure: Ohio, Michigan (FLEX)

Memberships in  
Professional Societies:

American Federation of Clinical Research, 1973-1998

American Diabetes Association, 1974-

American College of Physician Executives, 1989-1994

The Endocrine Society, 1976-

Endocrine Society of India, life member

Michigan State Medical Society, 1976-

Michigan Association of Physicians of Indian Origin (MAPI),  
Life member

Ingham County Medical Society, 1976-  
Secretary, 2006-2009  
President, 2009-present

American Association for the Advancement of Sciences, 1985-  
1990

American Association of Clinical Endocrinologists  
Clinical Research Committee, 2006-2007  
Academic Endocrinologists Committee,  
2006-2007, 2007-2008  
Endocrine Training Support Committee, 2007-2008

American Medical Association, 1985-

Association for Academic Minority Physicians, 1988-1994

American Association of Physicians of Indian Origin (AAPI),  
Life Member

International Diabetes Federation (Life Member)

North American Association for the Study of Obesity 2004-

Michigan Consortium for Osteoporosis, 2005-

Research Society for the Study of Diabetes in India (RSSDI)

Honors:

Fellowship awarded by the Veterans Administration at the University of Cincinnati, 1970-1971

Royal College of Physicians of Canada (Fellow), 1974.

American College of Physicians (Fellow), 1975

American College of Endocrinology (Fellow), 2000

Who's Who in Medicine and Healthcare, 1998, 1999

Marquis WHO'S WHO in the Midwest, 1984, 85, 87

All India Institute of Diabetes (Fellow), 1981-

American Men and Women of Science, 1985

WHO'S WHO of Emerging Leaders in America, 1987-88

WHO'S WHO in American Education, 1992-93, 2006-07

Presidential Citation Award, Ingham County Medical Society, 1999

Prof. M. Vishwanathan oration award, presented by the Research Society for the Study of Diabetes in India, 2000 (see also CME)

Laureate Award, American College of Physicians (ACP) 2004 Michigan Chapter Scientific Meeting, October 2004

Swartz Professorship, MSU - January 2005

Marquis Who's Who in Medicine and Healthcare, 2006-2007

Marquis Who's Who in Science and Engineering, 2006-2007

Distinguished Faculty Award 2006- College of Human Medicine

America's Top Physician's (Consumer's Research Council of America), 2008, 2009, 2010

Marquis Who's Who in America, 2007

Marquis Who's Who in the World, 2007

Academic Excellence Award, Michigan Association of Physicians of Indian Origin (MAPI), November 2009

Best Doctors in America, 2009-2010, 2010-2011

Distinguished Alumnus award – Amritsar medical and Dental Association of North America ( AMDAANA )-2010

Top Endocrinologist in East Lansing, International Association of Healthcare Professionals (IAHCP) 2011 The Leading Physicians of the World

Postgraduate Training:

Clinical:

Rotating Internship (6 months)

V.J. (Medical College) Hospital, Amritsar, India  
June 15, 1963 to December 15, 1963

House Physician in Medicine (1 year)

V.J. (Medical College) Hospital, Amritsar, India  
January 1, 1964 to December 1964

Clinical Resident in Medicine (2 years)

All India Institute of Medical Sciences, New Delhi, India  
July 15, 1965 to May 15, 1967

Resident in Medicine (2 years)

The Springfield Hospital Medical Center (now Bay State Medical Center), Springfield, MA  
August 1, 1967 to June 30, 1969

Chief Resident in Medicine (1 year)

The Springfield Hospital Medical Center (now Bay State Medical Center), Springfield, MA  
July 1, 1969 to June 30, 1970

Clinical Fellow in Endocrinology and Metabolism (1 year)

University of Cincinnati Medical Center, Cincinnati, OH  
July 1, 1970 to June 30, 1971

Research:

Assistant Research Officer, Indian Council of Medical Research  
April 1, 1965 to March 31, 1967

*Revised 12-2010*

Research Fellow in Endocrinology and Metabolism (1 year)  
University of Cincinnati Medical Center, Cincinnati, OH July 1,  
1971 to June 30, 1972

Research Fellow in Endocrinology and Metabolism (1 year)  
Milwaukee County General Hospital (Medical College of  
Wisconsin), Milwaukee, WI July 1, 1972 to June 30, 1973

Special Training:

Mount Sinai School of Medicine Mini-Fellowship: Geriatrics  
for the Non-Geriatrician, March 2007.

American College of Physicians Executive Management Course  
for Chief of Medicine.  
Managed Care Institute, Lake Buena Vista, Florida, 1990.

Nuclear Physics course (80 hours) sponsored by AACE to fulfill  
partial requirements for licensure to treat patients with RAI-131,  
October 1997.

Managed Care Institute (MSU), 1991.

Positions Held:

Academic:

Program Director, MSU Endocrinology & Metabolism  
Fellowship Program, 2006 to present

Swartz Professor of Medicine, Division of Endocrinology and  
Metabolism, College of Human Medicine, Michigan State  
University, East Lansing, MI  
January 2005 to present

Chief, Division of Endocrinology and Metabolism, College of  
Human Medicine, Michigan State University, East Lansing, MI  
1996 to present

Professor of Medicine, Division of Endocrinology and  
Metabolism, College of Human Medicine, Michigan State  
University, East Lansing, MI  
July 1, 1982 to present

Vice Chairman, Department of Medicine, College of Human  
Medicine  
March 1988 to September 1995

Interim Residency Program Director, Michigan State University  
Affiliated Hospitals (Graduate Medical Education, Inc.),  
Lansing, MI  
September 1994 to June 1995

Associate Professor, Division of Endocrinology and Metabolism,  
College of Human Medicine, Michigan State University, East  
Lansing, MI  
September 1, 1978 to June 30, 1982

Assistant Professor, Division of Endocrinology and Metabolism,  
College of Human Medicine, Michigan State University, East  
Lansing, MI  
April 1, 1975 to August 30, 1978

Assistant Professor, Division of Endocrinology and Metabolism,  
St. Louis University, School of Medicine, St. Louis, MO  
July 1973 to March 30, 1975

Visiting Professor, All India Institute of Medical Sciences, New Delhi, India

July 11 to August 11, 1979 and October 1, 1981 to December 31, 1981

Visiting Professor, Guy's Hospital School of Medicine, London, England

July 1 to September 30, 1981.

Visiting professor medical College Amritsar( India ) .2004,2005  
2006 ,2007.

Hospital Staff Appointment:

Director, Endocrine-Metabolic Clinic, VA Hospital Jefferson Barracks Division, St. Louis, MO

July 1, 1973 to March 31, 1975

Staff Physician, Internal Medicine, VA Hospital Jefferson Barracks Division, St. Louis, MO

July 1, 1973 to March 31, 1975

St. Lawrence Hospital, Lansing, Active Staff, Internal Medicine, Endocrinology, 1975-1993

Michigan Capital Medical Center (now Ingham Regional Medical Center), Lansing, Active Staff, Internal Medicine, Endocrinology, 1975-

Michigan Capital Medical Center (now Ingham Regional Medical Center), Endocrinology Subsection - Chairman, 1984-1988

Michigan Capital Medical Center, Diabetes Foot Care Center, Lansing - Director, 1987-1988

Michigan State University Diabetes Foot Care Center, 701 N. Logan, Lansing - Director, 1988-89

Edward W. Sparrow Hospital, Lansing, Internal Medicine, Endocrinology, Associate Staff 1975-1994  
Active 1994-

Olin Health Center, East Lansing, Active Staff, Internal Medicine, Endocrinology, 1975-

MSU Clinical Center, East Lansing, Active Staff, Internal  
Medicine, Endocrinology, 1975-

St. Lawrence Hospital, Chief of Medicine (elected), January 1,  
1989 to December 31, 1990

Medical Director, EWSH Weight Management Center, Lansing,  
MI, 1989-1990

Interim Medical Director, Sparrow Weight Management Center,  
Lansing, MI  
July 1998 to May 1, 1999

## Teaching Activities

Teaching activities at Michigan State University (since 1975) have included:

### Undergraduate Teaching - Pre Clinical

- Focal Problems (Track I & II)
- Preceptor for clinical sciences (physical examinations)
- Problem-based learning
- Chairman – (Metabolic, Endocrine and Reproductive Endocrinology domain) 2000 to 2008
- Basic science/clinical integration course – lectures on diabetes

### Clinical

- Clerkship lectures
- Preceptor for case presentations and "observed" history and physicals
- Preceptor for endocrinology & metabolism elective for students

### Residency

- Attending on the general medicine service (approx. two months/year)
- Attending for endocrine/diabetes clinics and endocrinology consultation service for residents on the endocrinology rotation throughout the year.

### Fellowships

- Program Director, 2006
- Prior to 2006, we have had a limited number of fellows over the years. I have actively participated in their clinical and research training.
- We have reinstated an accredited fellowship program in Endocrinology and Metabolism, effective July 2006. Fellowship positions consistently filled with high caliber candidates.

### Continuing Medical Education

- Have organized monthly endocrinology conferences in the Lansing area and have been a frequent speaker at these conferences (discontinued around 1992).
- Co-director for the annual diabetes/endocrinology course (update) for the past thirty years (1975-2006). Director since 1996.
- Have been invited to speak at several hospitals locally as well as in and around the State on numerous occasions. Have participated as a speaker on numerous occasions at the annual sessions of the Michigan State Medical Society over the past several years.
- Have spoken on numerous occasions at National and International meetings in India. 50th Annual Meeting of the Association of Physicians from India, Madras, January 1995. Key note address
- Invited speaker of the Research Society for Study of Diabetes in India – 1998.
- Invited speaker of the Research Society for Study of Diabetes in India – 2000.
- Prof. M. Vishwanathan Oration Award by Research Society for Study of Diabetes in India – 2000.
- Invited speaker for Diabetes in Pregnancy study .Hyderabad India -2007.
- Invited speaker for research society for study of diabetes in India ( Ahuja symposium)-2008

Dissertation Committees

- Vanden Bosch, Melodee, MSU College of Nursing, Doctoral Student. Factors Associated with Physical Activity I Middle-aged Women With and Without Diabetes. Committee Members: Corser WD, Robbins L, Gossain V, Anderson K. August 2010.

**Administrative Activities**Department of Medicine

Clinical Management Committee	1998-2002
Coordinators Committee	1988-1995
Executive Committee	1976-77, 79-80, 88-95, 98-2002, 2010 -
Nominating Committee	1988
Clinical Activities Committee	1990
Clinical Affairs Group	1979-81
Medicine Curriculum Committee	1979
Search Committees	1979-80, 83, 84-present
Gastroenterology (Chair)	1990
General Internal Medicine (Chair)	1986-87, 1990
Infectious Diseases	1986-87, 90, 92-95
Hematology/Oncology	1986, 92-99
GRAMEC (Grand Rapids Area Medical Educational Center)(Coordinator)	1987
Pulmonary	1993
Promotion and Tenure Committee	1979-81, 82, 86, 90-95, 97, 98, 99, 00, 01, 05
GMEI (Medical Residents) Training and Evaluation Committee	1979-81, 88-95
GMEI (Fellows) Training & Evaluation Committee	2006-
Michigan State University Affiliated Hospitals (GMEI) Acting Residency Director	9/94 - 6/95
Bylaws Committee	1980-81
MSU Clinical Center Internal Medicine (Coordinator)	1980-81
Quality Assurance Committee	1983-93

Faculty Evaluation Committee (Flint Campus)	1988-1992
Internal Medicine Council (Grand Rapids Campus)	1988-1991
Internal Medicine Residency Committee (Satellite campuses)	1988-1994
Internal Medicine Residency Committee (Lansing Campus)	1988-1995
Internal Medicine Clerkship (Lansing and satellite campuses)	1988-1995
<u>College</u> (MSU, College of Human Medicine)	
College Advisory Council	1977-81, 83-87, 98-03, 2007, 2009
Secretary	1980-81
Chairman	1986-87, 2007, 2008
Collegewide Evaluation Committee (Chair 1979-81)	1978-81
Ad Hoc Faculty Steering Committee	1979-80
Ad Hoc Steering Committee for Collegewide Evaluation	1979-80
Ad Hoc Program/Budget Review Committee	1983-84
Student Performance Committee	1984-88
Search Committee for Chairman, Dept. of Pediatrics & Human Development	1987, 1994
Student Awards Committee	1987
Minority Faculty Advisory Committee to the Dean	1989-present
Admissions Committee	1994-1997

University:

Faculty Voice Task Force Group V (Fixed Term Faculty Concerns)	2006-
University Council/Faculty Council	2003-05
Co-Chair, University Committee on Faculty Affairs	2000-01, 2001-02
University Committee on Faculty Affairs	1998-2002
Quality Management Committee	1993
University Committee for Research Involving Human Subjects	Alternate - 1980
Distinguished Faculty Award Committee	1980
Committee on International Studies	1984-85, 1995
Clinicians Council	1993, 1995-98
MSU Faculty Group Practice, Board of Directors	1995-1998
Clinical Practice Guidelines Committee	1993, 1995-1998
Established India Council at MSU Director, India Council	1990-2002.
MSU/US-India Scientific Cooperation & Exchange (SCOPE), Board of Directors	1993-94
International Institute of Health, Board of Directors (Alternate)	1996-2000

Hospitals:

Ingham Regional Medical Center Dept. of Medicine, Executive Committee	1984-88
Medical Education Committee	1988-96, 98-
Medical Education Committee (Chair)	1992-96
Radiation Safety	1998-

St. Lawrence Hospital	
Quality Assurance Committee	1985-87, 92-94
Dept. of Medicine, Executive Committee (Chair)	1989-90
Executive Committee	1989-90
E.W. Sparrow Hospital	
Managed Care Task Force	1993-
Diabetes Task Force	1993-
Institutional Research & Review Board	1996-2000
Nutrition Advisory Committee	1996-
<u>County:</u>	
Ingham County Medical Society	
Medical Education Committee	1988, 1993-
Public Education Committee	1988
Legislative Committee	1993-
Delegate to MSMS (alternate)	1993,1994
Delegate to MSMS	2007
Secretary	2007,2008
President	2009
Capital Area Physician Experience (CAPE) Committee	
President	2009
<u>State:</u>	
American Diabetes Association, MI Affiliate	
Scientific Peer Review Committee	1985-89
Board of Directors	1987-93
Professional Activities Committee (Chair)	1992-94
Diabetes & Pregnancy Committee, Michigan Dept. of Public Health	1987-present
Minority Health Advisory Committee, Michigan Dept. of Public Health	1987-present
Michigan State Medical Society	
Section for International Medical Graduates (delegate)	1989-present
CME Accreditation Committee	1990-2005
Program Planning Committee	1989-1991
Coalition for Diabetes Education and Minority Health Board of Directors	1989-93

Executive Committee	1989-93
Association of Lipids & Atherosclerosis Research in Michigan (ALARM)	
ALARM, President	2003-2005
ALARM, Secretary	1999-2002
ALARM Education Committee (Co-Chair)	1995-

American College of Physicians, Michigan Chapter District #4 Representative	1997--
Physicians Health Plan of Mid-Michigan's Living with Diabetes Committee	2002-
<u>National:</u>	
American Association of Clinical Endocrinologists Academic Endocrinologists Committee	2006-2011
Clinical Research Committee	2006-2007
Endocrine Training Support Committee	2007-2008, 2010-2011
American Association of Physicians from India (AAPI) CME Committee (Chair)	1989-92, 98- 1990-92
Nomination Committee	1991-92
Convention Committee	1991
International Conference Committee	1991-present
Bylaws Committee	1992
American Medical Association Liaison Member	1992
Academic Affairs Committee	1995-present
Task Force on Medical School Admissions	1998-present
International Medical Graduates - Governing Council	2010
Association of Program Directors in Endocrinology, Diabetes & Metabolism (APDEM) APDEM Site Visit Committee	2009
Association of Specialty Professors ASP Education Committee	2007-June 30, 2008
<u>Extramural:</u>	
Consultant, Clinical Center Library	1979-81
Consultant/Speaker, Private Enterprises Merck Parke-Davis (Warner-Lambert) Bristol-Myers Squibb Pfizer	Ongoing
Medical Advisor to the Local American Diabetes Association Chapter	1976-present
Amritsar Medical and Dental Alumni Association of North America (AMDAANA) Secretary	1985-86

President-Elect	1986-87
President	1987-88
India Cultural Society of Greater Lansing, President	1986-88
Bharatiya (Hindu) Temple of Lansing, Chair of Board of Trustees	1999-2005
Pushpawati Singhanian Research Institute for Liver, Renal & Digestive Diseases (PSRI), International Advisor	2002-present

Journal Reviewer:

Diabetes Care  
Annals of Internal Medicine  
Clinical and Experimental Pharmacology and Physiology  
Editorial Board, International Journal of Diabetes in Developing Countries (IJDDC)  
Journal of General Internal Medicine  
Editorial Board, Journal of Diabetes & Metabolism (OMICS) publishing group

## Publications

Aldasouqi S, Gossain V. Hyperprolactinemia. In: e-Essential Evidence 2010; Hoboken, NJ: John Wiley and Sons. <http://essentialevidenceplus.com/>

Gossain V, Rosenman K, Gardiner J, Thawani H, Tang X. Evaluation of control of diabetes mellitus in a subspecialty clinic. *Endocrine Practice* 2010; 16(2):178-186.

Gossain VV, Aldasouqi SA. The challenge of undiagnosed pre-diabetes, diabetes and associated cardiovascular disease. *IJDM (Elsevier)* 2010; 2:43-46.

Corser W, Lein C, Holmes-Rovner M, Gossain V. Contemporary Adult Diabetes Mellitus Management Perceptions. *The Patient: Patient-Centered Outcomes Research* 2010;3(2):101-111.

Nelson P, Gossain V. Cushing's Syndrome. In: Ebell MH, Ferenchick G, Smith M, Barry H, Slawson D, Shaughnessy A, Forsch R, Li S, Wilkes M, Usatine R, eds. e-Essential Evidence 2009; 1st ed. Hoboken, NJ: John Wiley and Sons. <http://essentialevidenceplus.com/content/eee/121>: 1-8.

Gossain V, Aldasouqi S. Diabetes Insipidus. In: Ebell MH, Ferenchick G, Smith M, Barry H, Slawson D, Shaughnessy A, Forsch R, Li S, Wilkes M, Usatine R, eds. e-Essential Evidence 2009. 1st ed. Hoboken, NJ: John Wiley and Sons. <http://essentialevidenceplus.com/content/eee/123>: 1-4.

Nelson P, Gossain V. Prolonged Treatment with Antithyroid Drugs: How long to treat safely...months, years, or a lifetime? *The Endocrinologist* 2010.

Aldasouqi SA, Gossain VV. Subclinical Thyroid Dysfunction: To Treat or Not to Treat, That is the Question. *Review of Endocrinology* 2009, August 19-23.

Aldasouqi S, Gossain V. Undiagnosed diabetes equals undiagnosed cardiovascular disease: A call for more effective diabetes screening. *Reviews of Endocrinology*. 2009, march.1-3.

Nelson P; Gossain V. Hypoglycemia: A diagnostic challenge. *Emedicine* 2010; <http://cme.medscape.com/viewarticle/713851>.

Watson RA, Karnchanasorn, R, Gossain VV. Hypertension in Asian/Pacific Island Americans. *Journal of Clinical Hypertension* 2009; 11: 148-152

Aldasouqi SA, Solomon DJ, Bokhari SA, Khan PM, Muneera S, Gossain VV. Glycohemoglobin A1c: A promising screening tool in gestational diabetes mellitus. *Int J Diab Dev Ctries* 2008; 28 (4): 121-124.

Aldasouqi SA, Gossain VV. Glycated hemoglobin (HbA1c): Past, Present and Future. *Ann Saudi Med* 2008;28(6):411-418.

- Aldasouqi SA, Kosuri K, Mattewal A, Gossain VV. Visual vignette. *Endocr Pract* 2007; 14(4):429.
- Mattewal A, Aldasouqi S, Solomon D, Gossain V, Koller A. A1cNow® InView™: A New Simple Method for Office-Based Glycohemoglobin Measurement. *Journal of Diabetes Science and Technology* 2007;1(6):879-884.
- Corser W, Holmes-Rovner M, Gossain V, Lein C. A shared decision-making primary care intervention for type 2 diabetes. *The Diabetes Educator* 2007;33:700-708.
- McKeown NJ, Tews MC, Gossain VV, Shah SM. Hyperthyroidism . *Emergency Medicine Clinics of North America*. August 2005; 23(3): 669-685.
- Tews MC, Shah SM, Gossain VV. Hypothyroidism: Mimicker of Common Complaints. *Emergency Medicine Clinics of North America*. August 2005; 23(3): 649-667.
- Gossain VV. Insulin Analogs and Intensive Insulin Therapy in Type 1 Diabetes. *Int J of Diabetes in Developing Countries* 2003; 23: 26-36.
- Patel B, Haddad R, Saxena I, Gossain VV. Spontaneous Long-Term Remission in a Patient with Premature Ovarian Failure. *Endocrine Practice* 2003; 9: 380-383.
- Gossain, VV. Endothelial Function, Type 2 Diabetes Mellitus and Cardiovascular Disease: A Clinical Perspective. *International Journal of Diabetes in Developing Countries* 2001; 21 (4): 163-171.
- Carella MJ, Blonshine S, Gera CM, Gossain VV, Ropp B. Improvement in Pulmonary and Exercise Performance in Obese Patients after Weight Loss. *Resp Care* 1999; 44 (12): 1458-1464.
- Carella MJ, Gossain VV, Jones J. The effects of a low-dose regimen of Fosinopril on urinary albumin excretion in normotensive type 1 diabetic patients. *J of Med* 1999; 30:305-320.
- Gossain VV, Rao DS, Carella MJ, Rovner DR. Bone mineral density (BMD) in obesity: effect of weight loss. *J of Med* 1999; 30:367-376.
- Gossain VV, Charnas J, Carella MJ, Rovner DR, DeMendoca W. Evaluation of thyroid nodules in a community practice: A Managed Care Approach. *Am J Man Care* 1998; 4:679-684.
- Gossain VV, Charnas J, Carella MJ, Rovner DR, DeMendoca W. Evaluation of thyroid nodules in a community practice: A Managed Care Approach. *Am J Man Care* 1998; 4:679-684 (Reviewed in NHS Centre for Review and Dissemination, University of York) 1999.
- Carella MJ, Rodgers CD, Anderson D, Gossain VV, Rovner DR. Serial measurements in body composition in obese subjects during a very-low-calorie diet (VLCD) comparing bioelectrical impedance with hydrodensitometry. *Obesity Research* 1997; 5(3):250-256.
- Gossain VV, Gunaga KP, Carella MJ, Bennink M, Edminster RR, Rovner DR. Apolipoproteins in obesity: effect of weight loss. *J Med* 1997; 28(3&4):251-264.

Gossain VV, Gunaga KP, Carella MJ, et al. Utility of Micral strips in screening for microalbuminuria. Arch Path Lab Med 1996; 120:1015-1018.

Carella MJ, Mantz S, Rovner DR, Willis PW, Gossain VV, Bouknight R, Ferencik G. Obesity, adiposity and lengthening of the QT interval: improvement after weight loss. Int J Obesity 1996; 20:938-942.

Carella MJ, Dimitrov NV, Rovner DR, Gossain VV. The adrenal effects of low-dose aminoglutethimide alone in patients with advanced breast cancer. Metabolism 1994; 43(6):723-727.

Carella MJ, Gossain VV, Rovner DR. Early diabetic nephropathy: early treatment options. Arch Intern Med 1994; 154:625-630.

Gossain VV, Carella MJ, Rovner DR. Management of diabetes in the elderly: a clinical perspective. JAAMP 1994(Jan); 5(1):22-31.

Gossain VV, Carella MJ, Rovner DR. Pregnancy in a patient with premature ovarian failure. J Medicine 1993; 24(6):393-402.

Carella MJ, Gossain VV, Rovner DR, Srivastava LS. Hypothalamic-pituitary-adrenal axis recovery from short-burst steroid therapy. J Clin Endocrinol Metab 1993; 76(5):1188-1191.

Gossain VV, Bowman KA, Rovner DR. The actual and self-perceived knowledge of diabetes among staff nurses. The Diabetes Educator 1993; 19(3):215-219.

Carella MJ, Gossain VV. Hyperparathyroidism and pregnancy. J Gen Intern Med 1992(July/Aug); 7:448-453.

Gossain VV, Heath RC, Rovner DR. Treatment of hyperthyroidism in community hospitals. JAAMP 1989(July/Sept); 1(1):33-36.

Shigematsu Y, Sweeley CC, Schall WD, Gossain VV. Urinary organic acids in natural onset insulin dependent diabetic dogs. Acta Paediatrica Jap 1988(June); 30(3):285-93.

Heath RC, Gossain VV, Rovner DR. Alteration of thyroidal I<sup>131</sup> uptake after I<sup>131</sup> treatment for hyperthyroidism. Southern Med J 1988; 81(5):601-605.

Zerbe CA, Refsol KR, Schall WD, Nachreiner RF and Gossain VV. Adrenal function in 15 dogs with type I diabetes mellitus. J Am Vet Med Assn 1988; 193(4):454-456.

Gossain VV, Dimitrov N, Ashby D, Rovner DR and Goldstein A. Effect of thymosin (fraction 5) on the plasma levels of glucose and glucoregulatory hormones in humans. J Med 1988; 19(5-6):335-343.

Kaluzynski TS, Gossain VV, Rovner DR and Fatteh M. Elevated Beta-chorionic gonadotropin and a search for cancer. Am J Med 1987; 82:376-379.

Ensberrg M, Gossain VV and Rovner DR. Factitious hypoglycemia: clues to identifying an elusive disorder. Postgrad Med 1986; 79(1):79-88.

Gossain VV, Sherma NK, Srivastava L, Michelakis AM and Rovner DR. Hormonal effects of smoking - I: Effects on plasma renin activity. Am J Med Sci 1986; 29(5):321-324.

Gossain VV, Sherma NK, Srivastava L, Michelakis AM and Rovner DR. Hormonal effects of smoking - II: Effects on plasma cortisol, growth hormone and prolactin. Am J Med Sci 1986; 29(5):325-327.

Ahrens ER, Gossain VV and Rovner DR. Human insulin: its development and clinical use. Postgrad Med 1986; 80(1):181-187.

Gouin P, Gossain VV and Rovner DR. Outcome of diabetic ketoacidosis in a community hospital. Southern Med J 1985; 78(8):941-943.

Gossain VV, Rovner DR and Mohan K. Systemic allergy to human (recombinant DNA) insulin. Ann Allergy 1985; 55:116-117.

Gossain VV and Rovner DR. Primary hypothyroidism, pituitary insufficiency and pregnancy. J Reprod Med 1984; 29:284-288.

Gossain VV, Rovner DR, Rhodes CE. Recurrent transient hyper- and hypothyroidism associated with pregnancy. Southern Med J 1983; 76:808-810.

Gossain VV, Srivastava L, Rovner DR, Turek D. Plasma glucagon in simple obesity: effect of exercise. Am J Med Sci 1983; 286:4-10.

Gossain VV, Sherma NK, Michelakis AM, Rovner DR. Effect of oral contraceptives on plasma glucose, insulin and glucagon levels. Am J Obstet Gynecol 1983; 147:618-623.

Ng Tang Fui S, Keen H, Jarrett J, Gossain VV, Marsden P. Test for chlorpropamide-alcohol flush becomes positive after prolonged chlorpropamide treatment in insulin-dependent and non-insulin dependent diabetics. N Engl J Med 1983; 309:93-96.

Williams MD, Walshaw R, Bull RW, Schall WD, Padgett GA, Gossain VV, Nachreiner RF. Effect of cyclosporin A on allotransplanted pancreatic islets in DLA-MLC compatible dogs. Trans Proceed 1983; 15(4):51-52.

Gossain VV, Rovner DR. Pancreatic glucagon: possible implications of the hyperglycemic hormone in diabetes control. Postgrad Med 1982; 72:87-93.

Manchandia MR, Gossain VV, Michelakis AM, Rovner DR. Plasma cryoactivated renin and active renin in diabetes mellitus. J Clin Endo Metab 1981; 53:1025-1029.

Gossain VV, Rhodes CE, Rovner DR. Pregnancy in hypothalamic hypopituitarism. Obstet & Gynecol 1980; 56:762-766.

- Premachandra BN, Gossain VV, Perlstein IB. Thyroid hormone levels during glucose tolerance test in euthyroid subjects. Clin Endocrinol 1979; 10:207.
- Sherma N, Gossain VV, Michelakis AM, Rovner DR. Effect of tolbutamide on plasma renin activity. Am J Physiol 1979; 236(1):E1-E3.
- Kinzel T, Gossain VV, Rovner DR. Interference in the measurement of 17-hydroxysteroids by methicillin sodium. Arch Path Lab Med 1978; 102:387.
- Gossain VV, Kinzel T, Strand CV, Rovner DR. Essential hypernatremia. Am J Med Sci 1978; 275:353-358.
- Premachandra BN, Gossain VV, Perlstein IB. Effect of pregnancy on thyroxine binding globulin (TBG) in partial TBG deficiency. Am J Med Sci 1977; 274:189-195.
- Premachandra BN, Gossain VV, Perlstein IB. Increased free thyroxine in a euthyroid patient with thyroxine binding deficiency. J Clin Endo Metab 1976; 42:309-318.
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### **Grants**

#### **Current**

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“Diabetes Mellitus Among UAW-GM Employees”, Gossain, VV (PI), Gardiner J, Rosenman, K. Funded 07-01-05 through 06-30-2010.

#### **Pending**

“Bone Marrow Derived Endothelial Progenitor Cells and Vascular Complications in Diabetes”, Busik J, Gossain V. Submitted Department of Defense 04/2010.

“Comorbidity and Diabetes: Multiple Health Care Use and Expenditure Influences”, Corser W, Gossain V. Submitted NIDDKD 10/2010.

#### **Submitted (but not funded)**

“Gene-Gene/Gene-Environment Interactions and Diabetes Prediction”, Lu Q, Gardiner J, Gossain V. Submitted American Diabetes Association 07-2009.

“Testing of Peer-Intensive Goal Setting Intervention for Type 2 Diabetes”. Corser W, Lein K, Sikorskii A, Gossain V. Submitted NIH 06-2006.( resubmitted 2009)

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“Type 2 Diabetes Prevention in Native American Youth” Pivarnik J, Gossain V (Co-I). Submitted NIH 08-2003.

“Systems Approach to Designing Engineered Tissues” Chan C, Gossain VV (Co-PI). Submitted NIH 03-2003.

*“Systems Approach to Characterizing the Liver’s Contribution to the Development of the Atherogenic Lipid Profile in Diabetes Patients” Chan C, Gossain VV (Co-PI). Submitted NIH 01-2003.*

*“Insulin Infusion Pumps Versus Insulin Glargine & Lispro for Type 1 Diabetes” Gossain VV (PI), Carella M., Spence-Jones G. Submitted ADA 01-2003.*

*“Treatment of Type 1 Diabetes with Insulin Infusion Pump Compared to Glargine-Lispro Insulin Regimen in Community Practice” Gossain VV (PI), Carella M. Submitted BCBS 10-2002.*

*“Telediabetes: Improving Self Management and Health Outcomes” Whitten, Pamela, Gossain VV (Co-I). Submitted 5-2002.*

### **Grants (continued)**

#### **Completed**

“Feasibility and short-term outcomes of a diabetes shared management office visit program: “Shared Decisions to Manage Diabetes: SDM-Diabetes” Corser, W, Gossain (Co-PI). Funded 09-2004 to 08-2006.

NIH/NIDDK, “Functional MRI of diabetic peripheral vascular disease”, Meyer, RA, Gossain, VV. (Co-I), Delano, MC. 9-2002 to 8-2004, \$298,500.

Parke-Davis (Warner-Lambert Company), “A 24-week, double-blind study of troglitazone (Rezulin®) in combination with sulfonylurea or in combination with sulfonylurea plus Metformin in type 2 diabetes patients inadequately controlled on sulfonylurea plus Metformin” (Protocol 991-150), (PI). 1998-1999, \$7,500.

Eli Lilly and Company, “Hypopituitary Control and Complications Study” (B9R-MC-GDEE), (PI). 2/98 to 6-2002, \$35,662.50.

Bayer, "Acarbose (Precose®) phase 4 trial in type 2 diabetic patients", (Co-I). 2/96 to 8/96, \$8,500.

Parke-Davis (Warner-Lambert Company), "A multi-center, 12-week, double-blind, placebo-controlled, dose-response study of CI-991 in patients with non-insulin dependent diabetes mellitus (NIDDM) (Protocol 991-031)", (Co-I). 3/93 to 2/94, \$74,750.

BRSB Grant (Collaborative), College of Human Medicine, "Renal and cardiovascular effects of protein restriction in type 1 diabetic patients with persistent microalbuminuria", Carella MJ (PI). 7/01/92 to 7/01/93, \$10,000.

BRSB Grant, College of Human Medicine, "Hypothalamic-adrenal recovery from steroid therapy", Carella MJ (PI). 1/01/88 to 12/31/88 (extended to 2/15/90), \$7,000.

Syntex Laboratories, Inc. - Study #02-7206, "Use of oral contraceptives (OC) in diabetic women", (PI). 11/01/87 to 10/31/88, \$5,000.

All University Research Initiation Grant, "Relationship of residual beta-cell function and proliferative retinopathy in IDDM", (PI). 1/01/85 to 12/31/85, \$7,396.

BSRG Grant, "Does thymosin produce hyperglycemia?", (PI). 7/01/83 to 6/30/84, \$14,900.

National Institutes of Health, "Naturally occurring early IDDM in diabetic dogs", Schall WD (PI), Gossain VV (Co-I). 12/01/80 to 11/30/83, \$313,140.

MSU Development Fund (PI). \$15,000 unrestricted.

PI: Principal Investigator/Co-I: Co-Investigator

**Submitted: 2009**

Prediction of Diabetes – 5% budget Submitted to NIDDK – PI Dr Qing Lu

Submitted to: ADA Gene-Gene/Gene-Environment Interactions and Diabetes Prediction 5% budget.

PI: Dr. Qing Lu

Submitted to: NIH. 10% budget. PI: Bill Corser “Testing of peer intensive clinic based intervention for Type 2 Diabetes.”