

Curriculum Vitae

Berhane Seyoum, M.D.

Office Address:

University Health Center
4201 St. Antoine
Detroit, MI. 48201
745-4008

EDUCATION:

1980 - 1987 Addis Ababa University Medical Faculty, Addis Ababa, Ethiopia
Graduated with MD
1989-1992 Residency in Internal Medicine, Addis Ababa University Medical Faculty, Addis, Ababa
Ethiopia. Graduated with Specialty Certificate in Internal Medicine
2001-2003 Residency in Internal Medicine – New York Methodist Hospital; Brooklyn, New York
2003-2006 Endocrinology Fellowship; Division of Endocrinology, Diabetes and Metabolism
Wayne State University School of Medicine; Detroit, MI

TRAINING:

1987 – 1989 General Practitioner at Jima Hospital and Assisting in teaching medical students and nurses at Jima
Institute of Health Sciences, Jima, South Western Ethiopia
1999-2001 Research Fellow at Colorado Prevention Center, Affiliated with University of Colorado Health Sciences
Center; Denver Colorado

FACULTY APPOINTMENTS:

2006 - present Associate Professor, Department of Medicine, Division of Endocrinology, Wayne State University,
Detroit, MI

MAJOR PROFESSIONAL SOCIETIES:

1995-2005 Member of the Executive Committee of the Pan African Diabetes Study Group
1996-Present Member of the International Diabetes Federation
1996-Present Member of European Association for the Study of Diabetes
1998-Present Assistant Editor, Pan African Diabetes Study Group
2003-Present Member of the American Association of Clinical Endocrinology
2005-Present Member of the American Diabetes Association
2005-Present Member of the National Lipid Association
2005-Present Member of Endocrine Society

LICENSURE AND BOARD CERTIFICATION:

(1994) Egyptian Medical License

HONORS/AWARDS:

- 1993 Third World Medical Foundation Award for Excellence in Research 29th Annual Conference of the Ethiopian Medical Association
- 1995 Ethiopian Science and Technology Commission Research Grant, Research on Type 2 Diabetic Patients with Secondary Failure to Sulfonylurias
- 1997 Eli Lilly Foot Amputation Prevention Program Grant; Research on Identification on High Risk Foot in Diabetic Patients in Developing Countries
- 1997 Ethiopian Science and Technology Commission Research Grant; Research on the Study of Microorganism Flor in Diabetic Patients with Periodontal Disease.
Tigray Development Association Research Grant; Study of Prevalence of Gestational Diabetes in Rural Pregnant Mother in Northern Ethiopia
- 1999 International Diabetes Federation Education Grant; For Clinical Research on Hypertension and Diabetes Mellitus
- 2005 Precetorship Award from Endocrine Fondation for Training in Advanced Lipidology at Duke University

PUBLICATIONS:

Articles:

1. **Seyoum B, Amaro JC. Bronchial Asthma in Jima: a prospective analysis of 204 patients. *Ethiopian Medical Journal* 1992; 30:225-32.**
2. Hodes RM, Seyoum B. The pattern of tuberculosis in Addis Ababa, Ethiopia. *East African Medical Journal* 1989; 66:812-18.
3. Seyoum B, Abdulkadir J, Kumssa A. One day at the diabetic clinic; diminishing time supply for complex health care needs and a growing patient load. *International Diabetes Digest* 1996; 7:35-38.
4. Seyoum B, Abdulkadir J. Systemic inspection of insulin injection sites for local complications related to incorrect injection technique. *Tropical Doctor* 1996; 26:159-61.
5. Wolday D, Seyoum B. Pleural empyema due to *Salmonella paratyphi* in a patient with AIDS. *Tropical Medicine and International Health* 1997; 2:1140-42.
6. Seyoum B. Impotence in Ethiopian diabetic men. *East African Medical Journal* 1998; 75:208-10.
7. Seyoum B, Gebregziabher F, Abdulkadir J, Alemayehu B. The occurrence of Diabetic Ketoacidosis in Tikur Anbessa Hospital, Ethiopia. *International Diabetes Digest* 1998; 9:38-39.
8. Seyoum B, Abdulkadir J, Feleke Y, Worku Y. Insulin storage by diabetic patients in Ethiopia. *International Diabetes Digest* 1998; 9:43-44.
9. Seyoum B, Abdulkadir J. Randomized clinical trial of insulin alone or insulin in-combination with sulphonylureas in the treatment of NIDDM patients with secondary failure to sulphonylureas. *Ethiopian Medical Journal* 1998; 7:11-17.
10. Seyoum B, Abdulkadir J, Gebregziabher F, Alemayehu B. Analysis of diabetic patients admitted to Tikur Anbessa hospital over 8 years. *Ethiopian Journal for Health Development* 1999; 13:9-13.
11. Seyoum B, Abdulkadir J, Berhanu P, Feleke Y, Worku Y, Ayana G. Profile of coronary risk factors in Ethiopian diabetic patients. *East African Medical Journal* 1999;76:105-7.
12. Seyoum B, Kiros K, Haileselasie T, Leole A. Prevalence of gestational diabetes mellitus in rural pregnant mothers in northern Ethiopia. *Diabetes Research and Clinical Practice* 1999;46:247-51.
13. Seyoum B, Mengistu Z, Berhanu P, Abdulkadir J, Feleke Y, Worku Y, Ayana G. Retinopathy in patients of Tikur Anbessa Hospital diabetic clinic. *Ethiopian Medical journal* 2001;39:123-31.
14. Teshome T, Seyoum B. Graves' thyroid Ophthalmopathy in Ethiopian patients. *Ethiopian Medical Journal* 2001;39:1-8.

15. Seyoum B, Abdulkadir J, Berhanu P, Feleke Y, Mengistu Z, Worku Y, Ayana G. Analysis of serum lipids and lipoproteins in Ethiopian diabetic patients. *Ethiopian Medical journal* 2003;41:1-8.
16. Seyoum B, Berhanu P. Profile of diabetic ketoacidosis in a predominantly African American urban patient population. *Endo trends* 2006;5:6.
17. Siraj ES, Seyoum B, Saenz C, Abdulkadir A. Lipid and lipoprotein profiles in Ethiopian patients with diabetes mellitus. *Metabolism*, 2006;55:706-10.
18. Seyoum B, Estacio RO, Berhanu P, Shrier RW. Exercise capacity is a predictor of cardiovascular events in patients with type 2 diabetes mellitus. In press in the *Journal of diabetes and vascular research*, 2006;3:197-201.
19. Seyoum B, Berhanu P. Profile of diabetic ketoacidosis in a predominantly African American urban patient population. In press in the *Journal of Ethnicity and disease*.
20. Mamdani N, Seyoum B, Berhanu P. Fahr's disease presented with asymptomatic basal ganglia calcification. In press in the *Journal of Endocrine Practice*.
21. Seyoum B, Siraj ES, Saenz C , Abdulkadir A. Hypomagnesemia in Ethiopians with Diabetes Mellitus. Submitted to *Metabolism, Clinical and Experimental*.
22. Seyoum B, Chaka T. Survey of the high risk foot in Ethiopian diabetic patients. Submitted to *Tropical Doctor Journal*.
23. Seyoum B, Berhanu P, Estacio RO, Mary M, Esler A, Schrier RW. Association of angiotensin converting enzyme gene insertion/deletion polymorphism with myocardial infarction in patients with Type 2 diabetes mellitus. Submitted to *Diabetes Care*.

II. Books

Contributed to the consensus document on the Guidelines for the management of NIDDM in Africa, Accra, Ghana, 1995.

ABSTRACTS PRESENTED AT SCIENTIFIC MEETING BUT NOT PUBLISHED:

1. Seyoum B. Bronchial asthma in Jima hospital. Ethiopian Medical Association conference, Abstract No. 11, 1989.
2. Abdulkadir J, Seyoum B. Report on an ongoing study of a practical approach to the management of diabetes during pregnancy. 4th Pan African Diabetes Study Group Congress, Abstract No. 104, 1994.
3. Seyoum B, Alemayehu B, Abdulkadir J, Gebregziabher F. The pattern of macrovascular diseases among diabetic admissions to Tikur Anbessa hospital over a period of six years. Ethiopian Medical Association conference, Abstract No 43, 1995.
4. Seyoum B, Vidgren G, Tuomilehto J, Tuomilehto E-Wolf, Abdulkadir J. Genetics of diabetes mellitus in Ethiopian families. International diabetes epidemiology group symposium, Abstract No. 012, 1997.
5. Seyoum B, Ejigu A. Improving metabolic control by improving faulty injection techniques in diabetic patients. Presented at the Ethiopian Medical Association, 1998.
6. Seyoum B, Bane A. Disease profile of elderly patients admitted to Tikur Anbessa teaching hospital over 10 years. Presented at the Ethiopian Medical Association, 1998.

7. Seyoum B. Outcome of pregnant thyrotoxic Ethiopian patients. Presented at the Ethiopian Medical Association, 1998.
8. Seyoum B, Ekwueme-Sturdivant N, Guzman CB. Polycystic Ovarian Syndrome presenting as primary amenorrhea. American Association of Clinical Endocrinologists 13th annual meeting and clinical congress, Abstract #35, 2004. Endocrine Practice 2004;10(suppl 1):12-13.
9. Seyoum B. One year experience of one Intern. Presented in the New York Methodist Hospital research day in May 2003.
10. Seyoum B, Berhanu P. Profile of diabetic ketoacidosis in a predominantly African American urban patient population. American diabetes association, Abstract # 1202, 2004.
11. Seyoum B, Guzman CB. Prolactinoma presenting with anosmia. The endocrine society, Abstract # P3-579, Page 608, 2004.

ONGOING RESEARCH

1. Comparison of cytokine gene expression by the adipocytes in muscle adipose tissue depots, visceral fat and subcutaneous fat in diabetic and non diabetic Zucker fatty rats, before and after pioglitazone treatment.
2. Differential cytokine gene expression by regional adipose tissue in patients undergoing Bariatric surgery.

RESEARCH PROJECTS AWAITING FUNDING:

1. Association of myocardial infarction and angiotensin converting enzyme gene polymorphism in African Americans with type 2 diabetes mellitus.
2. Cytokine production and their gene expression in subcutaneous adipose tissue in patients with type 2 diabetes mellitus treated with TZD.
3. Influence of ACE Gene Polymorphism in African Americans with Type 2 Diabetes Mellitus on Response to ACE Inhibitors.
4. Prospective DKA admissions in Detroit receiving hospital.
5. Lactate infusion as a diagnostic method for Insulin resistance