

CURRICULUM VITAE

B. PETER SAWAYA, MD

I. GENERAL INFORMATION:

Office Address: 800 Rose St., MN 569
Lexington, KY 40536-0084
Phone: (859) 323-5048 x224; Fax: (859) 323-0232

Citizenship: USA

Specialty Board Certification (Year Certified):
- American Board of Internal Medicine (1986, indefinitely)
- American Board of Nephrology (1988, indefinitely)

Languages: English, French, and Arabic.

II. EDUCATION:

Undergraduate Education:

09/1972-06/1975 Ibin Khaldoon School,
Latakia, Syria
Diploma: Secondary Education Scientific Branch

Medical Education:

09/1975-12/1981 Tichreen University,
Faculty of Medicine
Latakia, Syria
Degree: Medical Degree (M.D.)

Post Graduate Education:

07/1983-06/1986 Good Samaritan Hospital
Cincinnati, OH 45220
Type of Training: Internal Medicine Residency

07/1986-06/1988 Henry Ford Hospital
Detroit, MI 48202
Type of Training: Nephrology and Hypertension Clinical Fellowship

07/1988-06/1990 University of Michigan Medical Center
Ann Arbor, MI 48109
Type of Training: Nephrology Research/Clinical Fellowship

III. PROFESSIONAL EXPERIENCE

07/1990-06/1992 Mountain Comprehensive Health Corporation, Whitesburg, KY 41858
Title: Attending Physician and Nephrology Consultant

IV. ACADEMIC APPOINTMENTS

07/1992-06/1997 University of Kentucky Medical Center
Department of Internal Medicine, Division of Nephrology,
Bone and Mineral Metabolism
Title: Assistant Professor (Full Time)

07/1998-06/2003 University of Kentucky Medical Center
Department of Internal Medicine, Division of Nephrology,
Bone and Mineral Metabolism
Title: Associate Professor (Full Time)

07/2004-Present University of Kentucky Medical Center
Department of Internal Medicine, Division of Nephrology,
Bone and Mineral Metabolism
Title: Professor of Medicine (Full Time)

V. HOSPITAL OR CLINICAL APPOINTMENTS

07/1990-06/1992 Mountain Comprehensive Health Corporation
and Appalachian Regional Hospital,
Whitesburg, KY 41858
Title: Attending Physician and Nephrology Consultant

07/1992-Present University of Kentucky Medical Center
and VA Medical Center
Lexington, KY 40536
Title: Nephrology Consultant (Full time)

08/2003-Present Fresenius Medical Care
Lexington North Unit
Lexington, KY
Title: Medical Director

08/2007-Present Fresenius Medical Care
Frankfort Unit
Frankfort, KY
Title: Medical Director

VI. TEACHING ACTIVITY (For details see Teaching Portfolio)

1992-Present Housestaff Teaching Conferences: 3-5/year
Nephrology Teaching Conferences: 10-15/year
Nephrology Clinical Pathological Conferences: 5-10/year
Teaching Rounds: Approximately 40 hours/year
Bedside Teaching: Approximately 200 hours/year
Continuing Medical Education: 4-6 hours/year

1993-1994 MD831: Assessment of Renal Disorders
1993-1994 MD821: Introduction to Medical Profession
1994-1995 MD836: PBL
1994-1995 PGY412G: Physiology
1995-2004 MD821: Introduction to Medical Profession (70 – 90 contact hours/year)
1997-1998 PGY 818: Human Function
1998-Present MD836: Medical Surgical Care/Medicine (30 contact hours/year)
2000-Present Introduction to Clinical Research, GCRC-sponsored course
2004-Present MD821: Introduction to Medical Profession (20 contact hours/year)

VII. ADVISING ACTIVITY

1993-1994	Professional Advising to Nephrology Trainees:	Total 3 Fellows
1994-1995	Professional Advising to Nephrology Trainees:	Total 4 Fellows
1994-1995	Advisor to Residents in Internal Medicine:	Total 1 Resident
1995-1996	Professional Advising to Nephrology Trainees:	Total 4 Fellows
1995-1996	Advisor to Residents in Internal Medicine:	Total 2 Residents
1996-1997	Professional Advising to Nephrology Trainees:	Total 4 Fellows
1996-1997	Advisor to Residents in Internal Medicine:	Total 1 Resident
1996-1999	Advisor to Medical Students:	Total 1 Student
1997-1998	Professional Advising to Nephrology Trainees:	Total 4 Fellows
1998-1999	Professional Advising to Nephrology Trainees:	Total 4 Fellows
1999-2000	Professional Advising to Nephrology Trainees:	Total 4 Fellows
2000-2001	Professional Advising to Nephrology Trainees:	Total 4 Fellows
2000-2001	Advisor to Residents in Internal Medicine:	Total 1 Resident
2001-2002	Professional Advising to Nephrology Trainees:	Total 4 Fellows
2001-2002	Advisor to Residents in Internal Medicine:	Total 2 Residents
2002-2003	Professional Advising to Nephrology Trainees:	Total 4 Fellows
2002-2003	Advisor to Residents in Internal Medicine:	Total 3 Residents
2003-2004	Professional Advising to Nephrology Trainees:	Total 4 Fellows
2003-2004	Advisor to Residents in Internal Medicine:	Total 3 Residents
2004-2005	Professional Advising to Nephrology Trainees:	Total 4 Fellows
2004-2005	Advisor to Residents in Internal Medicine:	Total 3 Residents
2005-2006	Professional Advising to Nephrology Trainees:	Total 4 Fellows
2005-2006	Advisor to Residents in Internal Medicine:	Total 3 Residents
2006-2007	Professional Advising to Nephrology Trainees:	Total 4 Fellows
2006-2007	Advisor to Residents in Internal Medicine:	Total 3 Residents

Mentored Nephrology Trainees (1993-2007):

1) Anil Mehta, MD; 2) Ravi Sarin, MD; 3) Mosta Haque, MD ; 4) Tariq Muhamad, MD; 5) Marco Costa, MD; 6) Ayman Bakley, MD; 7) Mark Bates, MD; 8) Adnan Maqsood, MD; 9) A. Muhamad Uddin, MD; 10) Hanna Mawad, MD; 11) Jide Babalakin, MD; 12) Patrick Kulubya, MD; 13) Piti Ratapanishkish, MD; 14) Rezkala Butros, MD; 15) Ramesh Bhoothapuri, MD; 16) Ismo Kaariainen, MD; 17) Shehzab Naqvi, MD; 18) John Shepherd, MD; 19) Bindu Pavithran, MD; 20) Steve McCullough, MD; 21) Ziad Deeb Sara, MD; 22) Harold Helton, MD; 23) David Trueba, MD; 24) Clinton Edwards, MD; 25) Mony Fraer, MD; 26) William Barrett, MD; 27) Ana Lia Castellanos, MD; 28) Kevin Harned, MD; 29) Billy Pence, MD

IX. ADMINISTRATIVE ACTIVITY AND UNIVERSITY SERVICE**University Committees:**

1995-1996	Internal Medicine Grand Rounds Committee
1996-1997	Internal Medicine Clerkship Committee
1996-Present	Internal Medicine Educational Advisory Committee
1999-Present	College of Medicine House Staff/Graduate Medical Education Committee
1999-2001	Internal Medicine Core Curriculum Committee
1999-2005	College of Medicine Professional Code Committee
2000-Present	Internal Medicine Grand Rounds Committee
2000-2001	College of Medicine Clinical Performance Exam Committee
2000-2005	College of Medicine Graduate Medical Education Core Curriculum Subcommittee Chair, 2000-2002
2000-2002	College of Medicine Liaison Committee for Medical Education
2001-2002	Chair, LCME- Medical Students Committee
2002-Present	Internal Medicine Residency Selection Committee
2003-Present	College of Medicine Research and Graduate Education Committee
2004-2005	Honors Program Steering Committee, University of Kentucky
2006-Present	College of Medicine Blue Ribbon Education Committee
2006-Present	The Gold Humanism Honor Society, Kentucky Chapter
2006-Present	Senator, University Senate Council, Elected 2006
2006-Present	Tenure and Promotion Committee, Department of Internal Medicine, University of Kentucky

University Workgroup/Taskforce:

1995-Present	Internal Medicine Residency Interviewer
1999-2000	Institutional Residency Program Reviews: Urology, Orthopedic Surgery, Pulmonary and Critical Care
2000-2001	College of Medicine HH/IMP/PPS Workgroup
2000-2001	Clinical Skills Center Workgroup

Administrative Activities:

1993-Present	Divisional Fellowship Training and Teaching Director
1996-1997	Interim Course Director of Introduction to Medical Profession (MD811 / MD821)
1996-1997	Coordinator of Physical Examination Module (MD811 / MD 821)
1996-1997	Coordinator of Primary Care Externship Module (MD811)
1997-2000	Course Director of Introduction to Medical Profession (MD821)
1997-2000	Coordinator Physical Examination and Diagnosis Module (MD821)
1997-Present	Coordinator Laboratory and Problem-Solving Module (MD821)
2002-Present	Assistant Director for Education, General Clinical Research Center
2003-Present	Medical Director, Fresenius Medical Care, Lexington North
2007-Present	Medical Director, Fresenius Medical Care, Frankfort

X. HONORS / AWARDS

1992-1993	Outstanding Faculty Teacher Award Department of Internal Medicine, University of Kentucky
1992-1993	Chief Resident Faculty Award Department of Internal Medicine, University of Kentucky
1995-1996	Abraham Flexner Master Educator Award in Teaching College of Medicine, University of Kentucky
1997-1998	Pre-Clinical Golden Apple Award College of Medicine, University of Kentucky
1998-1999	Chairman's Award in Teaching Department of Internal Medicine, University of Kentucky
1998-1999	Abraham Flexner Master Educator Award in Leadership College of Medicine, University of Kentucky
1999-2000	Abraham Flexner Master Educator Award in Innovation College of Medicine, University of Kentucky
1999-2000	Pre-Clinical Golden Apple Award College of Medicine, University of Kentucky
1999-2000	Humanism in Medicine Award University of Kentucky College of Medicine
2000-2001	Pre-Clinical Golden Apple Award College of Medicine, University of Kentucky
2001-2002	Elected to Alpha Omega Alpha Honor Medical Society
2002-2003	University of Kentucky Great Teacher Award 2003 UK Alumni Association, University of Kentucky
2002-2003	Outstanding Teacher American College of Physicians, Kentucky Chapter
2003-2004	Inducted to the Nu Circle Omicron Delta Kappa National Honor Society
2005-2006	Nomination to Alpha Omega Alpha Robert J. Glaser Distinguished Teacher Award Alpha Omega Alpha Honor Medical Society

XI. PROFESSIONAL ACTIVITY, PUBLIC SERVICE AND PROFESSIONAL DEVELOPMENT

Editorial Activities:

- Deputy Editor, *Clinical Nephrology*, an international nephrology journal, 1998 - Present
- Editor, *Clinical Nephrology Dialysis and Transplantation*, a continuously updated 2-volume text, 1999 - present
- Chair, Editorial Review Group in Nephrology, Doody Publishing, Oak Park, IL, 2000 – Present.

Membership Affiliations:

- American College of Physicians, Associate 1984, Member 1987, Fellow 2000
- American Society of Nephrology, Member 1988
- Alpha Omega Alpha Honor Medical Society, Member 2002
- National Kidney Foundation, Member 1993-2001
- International Society of Nephrology, Member 1996-2001
- Fayette Medical Society, Member 1997 - 2000

Ad Hoc Reviewer:

- American Journal of Physiology, 1994-present
- Kidney International, 1994-present
- Doody Publishing, Inc., 1995-present
- American Society of Nephrology, Annual Meeting; Abstract Reviewer: 1996
- American Journal of Kidney Disease, 1997-present
- Nephrology Dialysis Transplantation, 2003 - present

Meetings /CME:

- Annual American Society of Nephrology Meeting, 1987-1999, 2001-2005 (Total 18 Meetings)
- Annual Spring Clinical Nephrology Meeting, National Kidney Foundation, 1993
- National Kidney Foundation of Michigan Meeting, 1994
- Consensus Conference: Optimal Management of Renal Osteodystrophy, Member of the Panel, Chicago, 1994
- National Kidney Foundation Annual Scientific Meeting, 1995
- University of Kentucky, Internal Medicine Grand Rounds, 10/year
- University of Kentucky, HIV/AIDS Medical Update 1999, 2002

Workshops and Seminars:

- University of Kentucky, Medical Presentation Skills Workshop, 1994
- University of Kentucky, Problem-Based Learning Tutor Training Workshop, 1995
- University of Kentucky, Department of Internal Medicine Retreat: Clinical Practice In a Managed Care Environment, 1995
- Claims Prevention/Risk Management Seminar, 1995, 1996, 1997
- University of Kentucky Pre-Medical Society, Open Discussion with Pre-Med Students, 1995
- University of Kentucky, Department of Internal Medicine Residents' Retreat: The Business of Medicine and Problems in Medical Ethics, 1996
- University of Kentucky, Department of Internal Medicine Residents' Retreat Retreat: Risk Management and Cost Effective Medical Care, 1997
- University of Kentucky College of Medicine, Curriculum Retreat, 1997
- University of Kentucky, Department of Internal Medicine Residents' Retreat: Stress Management and Balancing Career and Family, 1998
- University of Kentucky, HIPPA Education for Researchers, 2003
- Vascular Access Initiative, The Renal Network, Cincinnati, 2003

XII. SPEAKING ENGAGEMENTS**LOCAL:**

- 1993 University of Kentucky, Department of Internal Medicine, Grand Rounds
Title: Amphotericin B Nephrotoxicity: The Old, the New, and Still the Ugly
- 1993 University of Kentucky, Department of Physiology Seminar
Title: Is It Time to Place Micropuncture Tools at the Smithsonian?
- 1994 University of Kentucky, Department of Neurology Grand Rounds
Title: Nephrogenic Diabetes Insipidus
- 1994 University of Kentucky, Department of Internal Medicine Research Seminar
Title: Vitamin D Bioactivity In Early Renal Failure
- 1995 University of Kentucky, Department of Internal Medicine Research Seminar
Title: Early Mechanistic Events in Secondary Hyperparathyroidism
- 1996 University of Kentucky, Department of Family Practice, Grand Rounds
Title: Urinalysis in the Office and at the Hospital
- 1996 University of Kentucky, Department of Internal Medicine Research Seminar
Title: Insights in the Biological Effects of Vitamin D: Lessons from Rats with Mild Renal Failure
- 1997 University of Kentucky, Division of Pulmonary & Critical Care, Grand Rounds
Title: Ischemic Acute Tubular Necrosis
- 1997 University of Kentucky, Division of Pulmonary & Critical Care, Grand Round
Title: ICU - Induced Acute Renal Failure
- 1998 University of Kentucky, Department of Emergency Medicine, Grand Round
Title: How to Protect the Kidney from Acute Renal Failure
- 1999 University of Kentucky, Division of Pulmonary & Critical Care, Grand Rounds
Title: Electrolytes Disorders in the ICU
- 1999 University of Kentucky, Department of Internal Medicine, Grand Rounds
Title: Vitamin D: A Journey from Vitamin to Hormone and from Bone to Brain
- 2000 University of Kentucky, College of Medicine, Dean's Colloquium
Title: A Look into the future with Anticipation and Enthusiasm
- 2000 University of Kentucky, Department of Internal Medicine, Grand Rounds
Title: Update in Nephrology
- 2001 University of Kentucky, Division of Pulmonary & Critical Care, Grand Rounds
Title: Pulmonary – Renal Syndrome
- 2001 University of Kentucky, College of Medicine, Dean's Colloquium
Title: What's Up Doc?
- 2002 University of Kentucky, Department of Internal Medicine, Grand Rounds
Title: Update in Nephrology
- 2003 University of Kentucky, College of Medicine, Dean's Colloquium
Title: A Look into the future with Anticipation and Enthusiasm
- 2004 University of Kentucky, College of Medicine, Admission Seminar
Title: Clinical Medicine at UK
- 2004 University of Kentucky, Department of Internal Medicine, Grand Rounds
Title: Clinical Pathological Conference: Rhabdomyolysis
- 2004 University of Kentucky, College of Medicine, Dean's Colloquium
Title: What's Up Doc?
- 2005 University of Kentucky, College of Medicine, Dean's Colloquium
Title: What's Up Doc?
- 2005 University of Kentucky, Department of Internal Medicine, Grand Rounds
Title: Update in Nephrology
- 2006 University of Kentucky, College of Medicine, Dean's Colloquium
Title: "Carpe Diem"
- 2006 University of Kentucky, Department of Family Medicine, Grand Rounds
Title: Acute renal Failure
- 2007 University of Kentucky, Department of Internal Medicine, Grand Rounds
Title: Missuse, Abuse and Underuse of Common Nephrological Tests

STATE:

- 1993 24th Annual Family Medicine and Primary Care Review
Title: The Management of Patients with Mild Chronic Renal Failure
- 1994 Internal Medicine Board Review
Title: The Abnormal Urinalysis
- 1994 Columbia, Kentucky
Title: Management of Patients with Mild or Moderate CRF
- 1995 26th Annual Family Medicine and Primary Care Review
Title: Urinalysis at the Office and in the Hospital
- 1995 Internal Medicine Board Review
Title: Urinalysis
- 1995 American Nephrology Nurses Association - Blue Grass Chapter
Title: Acute Complications of Hemodialysis
- 1995 American Nephrology Nurses Association - Blue Grass Chapter
Title: Renal Osteodystrophy
- 1996 Kentucky Coalition of Nurse Practitioners
Title: Recurrent Urinary Tract Infection and Hematuria
- 1996 27th Annual Family Medicine and Primary Care Review
Title: Recurrent Urinary Tract Infection
- 1997 28th Annual Family Medicine and Primary Care Review
Title: Drugs and Their Impact on Renal Function: How to Protect the Kidney
- 1998 29th Annual Family Medicine and Primary Care Review
Title: Management of Chronic Renal Failure in Primary Care
- 1999 30th Annual Family Medicine and Primary Care Review
Title: Pitfalls in the Management of Patients with Mild Chronic Renal Failure
- 1999 American Nephrology Nurses' Association - Blue Grass Chapter
Title: Manifestations of Renal Failure
- 2000 31th Annual Family Medicine and Primary Care Review
Title: Pitfalls in the Management of Patients with Mild Chronic Renal Failure
- 2000 Internal Medicine and Family Practice Group, Louisville, KY
Title: The Prevention of ESRD as a Complication of Diabetes
- 2002 Ephraim McDowell Regional Medical Center, Medical Staff Meeting, Danville, KY
Title: Pitfalls in the Management of Patients with Mild Chronic Renal Failure
- 2002 Mary Chiles Hospital, Medical Staff Meeting, Richmond, KY
Title: Pitfalls in the Management of Patients with Mild Chronic Renal Failure
- 2003 Frankfort Regional Medical Center, Medical Staff Meeting, Frankfort, KY
Title: Pitfalls in the Management of Patients with Mild Chronic Renal Failure
- 2004 Kentucky Chapter of Renal Dietitians, Central Baptist Hospital, Lexington, KY
Title: Renal Osteodystrophy: The Essential Role of the Dietitians
- 2004 University of Louisville, Division of Nephrology Research Conference
Title: Racial Consideration in Assessing PTH Blood Levels in ESRD Patients
- 2005 36th Annual Family Medicine and Primary Care Review
Title: Hyponatremia
- 2005 SNMA Kentucky Chapter
Title: National Kidney Disease Education Program: "A Call for Action"
- 2005 University of Louisville, Dr. Charles C. Smith Lectureship, Internal Medicine Grand Rounds
Title: Management of ROD in Chronic Kidney Disease
- 2005 Paris Hospital, Paris, Kentucky
Title: Urinalysis
- 2005 Chronic Kidney Disease Conference, Lexington, Kentucky
Title: Multidisciplinary CKD Clinic
- 2006 37th Annual Family Medicine and Primary Care Review
Title: Acute Renal Failure
- 2006 37th Annual Family Medicine and Primary Care Review
Title: CKD- A Call for Action

NATIONAL/INTERNATIONAL:

- 1989 22nd Annual Meeting of the American Society of Nephrology
Title: The Role of Tubuloglomerular Feedback Activation in Amphotericin B Nephrotoxicity: A Micropuncture Study.
- 1993 26th Annual Meeting of the American Society of Nephrology
Title: Bone Biopsy in Renal Patients: How, Why and When?
- 1994 National Kidney Foundation of Michigan
Title: Preventive Measures Against Renal Osteodystrophy
- 1995 28th Annual Meeting of the American Society of Nephrology
Title: Evidence for Abnormal Binding of Vitamin D-Receptor Complex to Vitamin D Response Elements in Rats with Incipient Renal Failure
- 1996 29th Annual Meeting of the American Society of Nephrology
Title: Molecular Aspects of Secondary Hyperparathyroidism and Vitamin D Resistance in Renal Failure.
- 1996 Dialysis Clinic, Inc. Annual Meeting
Title: Vitamin D and Hyperparathyroidism in Renal Failure - New Insights into an Old Problem
- 1997 30th Annual Meeting of the American Society of Nephrology
Title: Retinoid X Receptor Alpha mRNA and Protein are Reduced in Parathyroid Gland of Rats with Mild Renal Failure
- 1997 Bluefield Regional Medical Center CME Program, Bluefield, West Virginia
Title 1: The Prevention of End-Stage renal Disease as a complication of Diabetic Nephropathy.
Title 2: Pitfalls in the Management of Patients with Mild to Moderate CRF
- 1998 St. John Hospital and Medical Center CME Program, Detroit, Michigan
Title: Management of Calcium and Phosphorus Disorders in Chronic Renal Failure
- 1999 Beaumont Hospital, Department of Internal Medicine Grand Rounds, Detroit, Michigan
Title: Vitamin D: A Journey from Vitamin to Hormone and from Bone to Brain
- 2000 University of Cincinnati, College of Medicine, 3rd Year Medical Students, Cincinnati, Ohio
Title: Cost-Effective Management of Dialysis Patients
- 2000 Internal Medicine and Nephrology, Inc., Lima, Ohio
Title: Soft Tissue Calcification in ESRD – A Diagnostic and Therapeutic Challenge
- 2000 Nephrology Associates, Baton Rouge, Louisiana
Title: Soft Tissue Calcification in ESRD – A Diagnostic and Therapeutic Challenge
- 2001 University of Cincinnati, College of Medicine, 3rd Year Medical Students, Cincinnati, Ohio
Title: Cost-Effective Management of Dialysis Patients
- 2001 Midwest Kidney Centers Nephrology Seminar, Peoria, IL
Title: The Greek Phosphorus is Lucifer in Latin
- 2001 American Nephrology Nurses' Association – Ohio Chapter
Title 1: Renal Osteodystrophy: An Overview
Title 2: The Greek Phosphorus is Lucifer in Latin
- 2002 National Kidney Foundation Clinical Nephrology Meetings 2002
Title: Pathology and Markers of Renal Osteodystrophy
- 2002 University of Cincinnati, Division of Nephrology Grand Rounds, Cincinnati, Ohio
Title: Paradigm Shift in the Management of ROD
- 2002 Emory University, Division of Nephrology Noon Conference, Atlanta, GA
Title: Paradigm Shift in the Management of ROD
- 2002 "Front Line" Nephrology, The Ohio State University Medical Center, Columbus, Ohio
Title: Preventing Renal Bone Disease
- 2002 Ball Memorial Hospital, Department of Internal Medicine Grand Rounds, Muncie, Indiana
Title: Prevention and management of ROD
- 2003 Fresenius Medical Clinic, Medical Director Meeting, Newark, NJ
Title: Paradigm Shift in the Prevention and Management of ROD
- 2003 North Shore-Long Island University, Division of Nephrology and Hypertension
Title: Paradigm Shift in the Prevention and Management of ROD
- 2003 World Congress of Nephrology Satellite Meeting, Advances in ROD, Bamberg, Germany
Title: Racial Consideration in Assessing PTH Blood Levels in ESRD Patients
- 2003 Nephrology Associates, St Mary Hospital, Lima, Ohio, KY
Title: New Approaches to the Management of Secondary Hyperparathyroidism
- 2004 University of Tennessee, Division of Nephrology, Memphis, TN

- 2004 Title: New Approaches to the Management of Secondary Hyperparathyroidism
National Kidney Foundation of Ohio, Columbus, OH
- 2004 Title: New Approaches to the Management of Secondary Hyperparathyroidism
The Renal Network, Annual Meeting, Chicago, IL
- 2004 Title: Renal Osteodystrophy: The Essential Role of the Dietitians
St. John Hospital and Medical Center, Division of Nephrology, Detroit, MI
- 2005 Title: The Use of Vitamin D in Pre-ESRD Patients: What are the Facts.”
National Kidney Foundation of Ohio, Columbus, OH
- 2005 Title: Renal Osteodystrophy: Update 2005
Yale University, Division of Nephrology, New Haven, CT
- 2005 Title: Visiting Professor; Renal Osteodystrophy: Update 2005
Drexel University, Internal Medicine Grand Rounds, Philadelphia, PA
- 2006 Title: Parathyroid Hormone – Vitamin D Interaction
Greenfield Health System, Detroit, Michigan
- 2007 Title: Renal Osteodystrophy: Update 2006
National Kidney Foundation, Orlando, Florida
- Title: Medication Pearls for the Nephrology Patients

XII. RESEARCH and/or CREATIVE PRODUCTIVITY

PUBLICATIONS:

Peer-Reviewed Journals:

1. B. Sawaya, R. Provenzano, W. Kupin, K.K. Venkat. Cyclosporine Induced Renal Macroangiopathy. *Am J Kid Dis* XII(6): 534-537, 1988.
2. B.P. Sawaya, H. Weihprecht, W.R. Campbell, J.N. Lorenz, R.C. Webb, J.P. Briggs and J. Schnermann. Direct Vasoconstriction as a Possible Cause for Amphotericin B Induced Nephrotoxicity in Rats. *J Clin Invest* 87: 2097-2107, 1991.
3. B.P. Sawaya, J.P. Briggs, J. Schnermann. Amphotericin B Nephrotoxicity: The Adverse Consequences of Altered Membrane Properties. *J. Am. Soc. Neph.* 6:154-164, 1995.
4. H.H. Malluche, B.P. Sawaya, M.C. Faugere. Dialysis: Current Status, Contemporary Limitations and Future Challenges. *Kid. Int.* 48 (Suppl. 50):537-539, 1995.
5. B.P. Sawaya, N.J. Koszewski, Q. Qi, M.C. Langub, M.C. Monier-Faugere, H.H. Malluche: Secondary Hyperparathyroidism and Vitamin D Receptor Binding to Vitamin D Response Elements in Rats with Incipient Renal Failure. *J Am Soc Neph.* 8(2): 271-278, 1997.
6. P. Fanti, B.P. Sawaya, L.J. Custer, A.A. Franke: Serum levels and metabolic clearance of the isoflavones genistein and daidzein in hemodialysis patients. *J Am Soc Neph*, 10: 864-871, 1999.
7. H.W. Mawad, B.P. Sawaya, H.H. Malluche: Calcific Uremic Arteriolopathy in Association with Low Turnover Uremic Bone Disease. *Clin Nephrol* 52:160–166, 1999.
8. B.P. Sawaya, M-C. Monier-Faugere, P. Ratanapanichkich, R. Butros, P.J. Wedlund, P. Fanti. Racial Differences in Parathyroid Hormone Levels in Patients with Secondary Hyperparathyroidism. *Clin Nephrol* 57: 51 – 55, 2002
9. B.P. Sawaya, R. Butros, S Naqvi, Z. Geng, H. Mawad, R. Friedler, P. Fanti, M-C Monier-Faugere and H.H. Malluche. Differences in Bone Turnover and Intact PTH Levels Between African-American and Caucasian Patients with ESRD. *Kid. Int.* 64: 737 – 742, 2003
10. M. Fraer, B.P. Sawaya. Response to Cyclosporine in a Patient with Pure Red Cell Aplasia Due to Anti Erythropoetin Alpha Antibodies. *Seminar in Dialysis.* 19: 251-5, 2006
11. Fanti P, Asmis R, Stephenson TJ, Sawaya BP, Franke AA: Positive effect of dietary soy in ESRD patients with systemic inflammation--correlation between blood levels of the soy isoflavones and the acute-phase reactants. *Nephrol Dial Transplant*, 2006
12. M. Fraer, MA Sekkarie, R Rao and BP Sawaya. Vascular Access Malfunction Due to Upper Extremity Embolization in Dialysis Patients. *Clin Nephrol* 69: 53-7, 2008

Non-Peer-Reviewed Journals:

1. B.P. Sawaya, H.H. Malluche. Renal Osteodystrophy a Multifaceted Disease with no Uniform Therapy. *Seminars in Dialysis* 6 (3): 210-214, 1993.
2. David Trueba, B.P. Sawaya, H. Mawad, H.H. Malluche. Bone Biopsy: Indications, Technique and Complications. *Seminars in Dialysis* 16 (4):341-345, 2003

Book Chapters/Monographs:

1. J. Briggs, B. Sawaya, J. Schnermann. Disorders of Salt Balance, in Fluids and Electrolytes, J.P. Kokko and R.L. Tannen eds, W.B. Saunders, Philadelphia, 1990, pp. 70-138.
2. B.P. Sawaya, H.H. Malluche. Vitamin D and Metabolic Bone Disease in Dialysis Patients. Clinical Dialysis, 3rd Edition, A.R. Nissenson, R.N. Fine, D.E. Gentile Editors. Appleton and Lange, Norwalk, CT, 1995, pp. 744-776.
3. J. Briggs, I. Singh, B. Sawaya, J. Schnermann. Disorders of Salt Balance, in Fluids and Electrolytes, J.P. Kokko and R.L. Tannen eds, W.B. Saunders, Philadelphia, 1996, pp. 3-62.
4. P. Fanti, B.P. Sawaya. Renal Osteodystrophy and Aluminum Intoxication, in Current Therapy in Nephrology and Hypertension. Ed, R.J. Glassock. Mosby-Year Book, Inc., 1998, pp. 295-301.
5. M.C. Monier-Faugere, B.P. Sawaya, H.H. Malluche: Renal osteodystrophy in Clinical Nephrology, Dialysis and Transplantation, edited by Malluche, H.H., Sawaya, B.P., Hakim, R.M., Sayegh, M.H., Munich, Dustri-Verlag, II-8, 1999.
6. M.C. Monier-Faugere, B.P. Sawaya, M.C. Langub, H.H. Malluche: Bone – Normal Structure and Physiology, in Calcium in Internal Medicine, edited by Morii, H., Nishizawa, Y., Massry, S.G., London, Springer-Verlag, 2002, pp. 309-321.

Abstracts to National/International Meetings:

1. B. Sawaya, R. Provenzano, R. Simkin, G. Barkley and N. Levin. Long Term Effect of Conventional and High Flux Membranes on Electrophysiologic Indices in Hemodialysis Patients. The American Society of Nephrology, 21st Annual Meeting, P: 114A, 1988
2. B.P. Sawaya, J.N. Lorenz, J. Davis, J.P. Briggs and J. Schnermann. The Role of Tubuloglomerular Feedback Activation in Amphotericin B Nephrotoxicity: A Micropuncture Study. The American Society of Nephrology, 22nd Annual Meeting. P: 306A, 1989
3. W. Kupin, B. Sawaya, D. Ownby, K. Stalla. Effect of Diltiazem on in Vitro Lymphocyte Proliferation in Cyclosporine- Treated Renal Transplant Recipients. The American Society of Nephrology, 22nd Annual Meeting, P: 408, 1989
4. B.P. Sawaya, W.R. Campbell, R.C. Webb, J. Schnermann. Vasoconstrictive Effect of Amphotericin B in Isolated Vessels. FASEB 1990
5. B.P. Sawaya, Q. Qi, M.C. Faugere, H.H. Malluche. High Bone Turnover (HBT) Without Increase in Serum Parathyroid Hormone (PTH) in Rats with Mild Chronic Renal Failure (MCRF). JASN, Vol. 5, #3, pp. 888, 1994
6. M. Costa, B.P. Sawaya, T.H. Waid. Is a Single Functioning Kidney a Contraindication for Percutaneous Needle Biopsy? National Kidney Foundation, Spring Clinical Nephrology Meetings, March 23-26, 1995
7. B.P. Sawaya, N. Koszewski, P. Fanti, Q. Qi, M.C. Faugere, H.H. Malluche. Evidence for Abnormal Binding of Vitamin D-Receptor Complex to Vitamin D Response Elements in Rats with Incipient Renal Failure. J. Am. Soc. Neph. 6:970, 1995
8. B.P. Sawaya, N.J. Koszewski, M.C. Langub, H.H. Malluche. A Retinoid X Receptor (RXR) Isoform is Reduced in the Remnant Kidney of Rats with Mild Renal Failure. The American Society of Nephrology, 29th Annual Meeting, 1996
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13. P. Fanti, B.P. Sawaya, P. Ratanapanichkitch, H.H. Malluche. African-American with ESRD Have Higher Parathyroid Hormone Levels at the Initiation of Renal Replacement Therapy. Accepted to Am Soc Nephrol, 1999
14. B.P. Sawaya, P. Kulubya, O. Babalakin, H.H. Malluche, D. Sloan. Long-Term Outcome of Subtotal Parathyroidectomy in ESRD Patients: Evidence against the Need for Autotransplantation. Accepted to Am Soc Nephrol, 1999

15. B. P. Sawaya, R. Butros, M.C. Monier-Faugere, P. Fanti, H.H. Malluche. Bone Turnover in Patients with ESRD and Moderately Elevated Serum Parathyroid Hormone: Evidence for the Usefulness of Evaluating the trend in PTH Levels. Accepted to Am Soc Nephrol, 2000
16. R. Butros, K.S. Reddy, T.D. Johnston, D. Ranjan, T. Waid, J.W. McKeown, B.P. Sawaya, B. Lucas. Successful Renal Transplantation Using Kidneys from Diabetic Cadaver Donors. Accepted to Am Soc Nephrol, 2000
17. B.P. Sawaya, M-C Monier-Faugere, R. Butros, Z. Geng, H. Mawad, R. Friedler, P. Fanti and H.H. Malluche. Intact Parathyroid Hormone Levels Are Not Predictive Of Bone Turnover In African-Americans Patients With ESRD. Accepted to Am Soc Nephrol, 2001
18. B.P. Sawaya, M-C Monier-Faugere, Robert M Friedler, Hartmut H. Malluche. Racial Differences in Bone Response to Calcitriol Therapy in ESKD Patients. Accepted to Am Soc Nephrol, 2003
19. P. Fanti, R. Asmis, T.J. Stephenson, B.P. Sawaya, A.A. Franke. Blood Levels of Soy Isoflavones Correlate with Improvement in Nutritional Parameters in HD Patients with Malnutrition Inflammation Complex Syndrome. Accepted to Am Soc Nephrol, 2003
20. P. Fanti, R. Asmis, M. Fraer, T.J. Stephenson, B.P. Sawaya, A.A. Franke. Improvement of Inflammation and Malnutrition Correlates with the Blood Levels of Soy Isoflavones, Following Dietary Intervention in Hemodialysis Patients. Accepted to Am Soc Nephrol, 2004
21. M. Fraer, B.P. Sawaya. Response to Cyclosporine in a Patient with Pure Red Cell Aplasia Due to Anti Erythropoietin Alpha Antibodies. Submitted for National Kidney Foundation Spring Clinical Meeting, Washington, D.C., 2005
22. M. Fraer, M. A. Sekkarie, R. Rao, B.P. Sawaya. Embolization as a Possible Cause of Vascular Access Malfunction in Hemodialysis Patients. Submitted for National Kidney Foundation Spring Clinical Meeting, Washington, D.C., 2005

GRANT ACTIVITY:

Active Grants

NIH - R01 NS38529 – Secondary prevention of small subcortical strokes (SPS3). 6/1/03 to 11/30/07. Co-investigator (10% effort).

NIH – MO1-RR0202602-19. Mentored Medical and Dental Student Award. 4/1/03 – 3/31/05. PI \$25,000

Ortho-Biotech – PR 00-06-014 - “Correction of Hemoglobin and Outcomes in Renal Insufficiency (CHOIR).” 8/14/03. Principal Investigator (5% effort) \$120,000.

Inactive Grants

Project Title: Vitamin D Bioactivity in Mild Chronic Renal Failure
 Source of Funding: Department of Internal Medicine (Start up Fund)
 Duration of Project: 1993-1995
 Total Award: \$25,000

Project Title: Vitamin D Bioactivity in Mild Chronic Renal Failure
 Source of Funding: University of Kentucky Research Fund
 Duration of Project: 1993-1995
 Total Award: \$12,523.00

Project Title: Vitamin D Bioactivity in Mild Chronic Renal Failure
 Source of Funding: University of Kentucky Physician’s Services Plan (PSP)
 Duration of Project: 1993-1994
 Total Award: \$7,200.00

Project Title: Vitamin D Bioactivity in Mild Chronic Renal Failure
 Source of Funding: Dialysis Clinic Inc.
 Duration of Project: 1993-1995
 Total Award: \$20,000 (Extramural)

Project Title: Correction of Hemoglobin and Outcomes in Renal Insufficiency (CHOIR)
 Source of Funding: Ortho-Biotech PR 00-06-014
 Duration of Project: 2003-2006
 Total Award: PI (5% efforts) -\$120,000