

CURRICULUM VITAE

Julius Sagel, M.B., Ch.B., F.C.P. (S.A.), F.A.C.P.

BUSINESS ADDRESS

Ralph H. Johnson VA Medical Center
109 Bee Street
Charleston, SC 29401-5799
and
Medical University of South Carolina
171 Ashley Avenue
Charleston, SC 29425

EDUCATION

Parow Primary School, Cape Province, South Africa,
1947-1954, Head Student, 1954

J.J. Du Preez High School, Parow, Cape Province, South
Africa, 1955-1958, Head Student, 1958, Graduated from High
School 1958 with distinction in mathematics and science

University of Cape Town Medical School, Cape Town, South
Africa, 1959-1964, M.B.,Ch.B., Medal and distinction in
chemical pathology

E.C.F.M.G. - Passed examination of Educational Council for
Foreign Medical Graduates (E.C.F.M.G.), 1964

FLEX - Passed Federal Licensing Examination in the State of
South Carolina, 1975

POSTGRADUATE TRAINING

Internship, House Physician: Prof. J.F. Brock (Chairman,
Department of Medicine), 1965

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House Surgeon: Prof. J.J. Louw (Chairman, Department of
Surgery) 1965, Groote Schuur Hospital, Cape Town, South
Africa (Teaching Hospital of the Medical School)

Senior Internship, Senior House Officer: Department of
Obstetrics and Gynecology, Groote Schuur Hospital, 6 months,
1966

Resident, Department of Medicine, Groote Schuur Hospital,
1968-1970

Chief Resident, Department of Medicine, Groote Schuur Hospital, 1970-1971

Fellowship in Endocrinology, Instructor in Medicine, Medical University of South Carolina, February 1972 - June 1973.
Dr. J. A. Colwell (Director, Endocrinology-Diabetes-Metabolism Division)

ACADEMIC POSITIONS

Junior Lecturer, Department of Anatomy, University of the Witwatersrand, Johannesburg, South Africa, 1967. Prof. Tobias (Chairman of the Department)

Attending Physician, Internal Medicine, Department of Medicine, University of Cape Town Medical School and Groote Schuur Hospital, 1971-1972

Specialist Internist (Attending Physician) and Consultant Endocrinologist, University of Witwatersrand Medical School and Johannesburg General Hospital, Johannesburg, South Africa, 1973 - April 1975

Assistant Professor of Medicine, Medical University of South Carolina, Division of Endocrinology-Diabetes-Metabolism, May 1975-June 1978

Associate Professor of Medicine, Medical University of South Carolina, Division of Endocrinology-Diabetes-Metabolism, July 1978-June 1983

Professor of Medicine, Medical University of South Carolina, Division of Endocrinology-Diabetes-Metabolism, July 1983-Present

ADMINISTRATIVE POSITIONS

Chief, Specialized Diagnostic and Therapeutic Unit, Ralph H. Johnson VA Medical Center, Charleston, South Carolina, 1975-1984

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Chief, Medical Service, Ralph H. Johnson VA Medical Center, Charleston, South Carolina, March 1981-June 1997

Vice-Chairman for Education Department of Medicine, Medical University of South Carolina 1997-Present

ADDITIONAL CLINICAL EXPERIENCE

Locum tenans, General Practice, 6 months, 1966

Part-time Medical Officer, Emergency Room, Johannesburg
General Hospital, South Africa, 1967

SPECIALTY BOARD CERTIFICATION

Elected a Fellow of the College of Physicians of South
Africa by examination, F.C.P. (S.A.), 1970. (Comparable to
the American Board of Internal Medicine)

Diplomate of American Board of Internal Medicine, 1977

Diplomate in the subspecialty of Endocrinology and
Metabolism, 1979

ORGANIZATIONS

Southern Society of Clinical Investigation
American Endocrine Society
American College of Physicians (Fellow) - 1979 FACP
American Federation for Clinical Research
Charleston County Medical Society
Registered with the South African Medical Council as
Specialist Internist
College of Medicine in South Africa (Fellow)
Medical Association of South Africa (1965-1974)
South African Endocrine Society; Committee Member and
Congress Secretary, 1973-1974

SCHOLARSHIPS

Morris Mauerberger Scholarship for Medical Students of the
University of Cape Town, 1962-1964

Awarded a British Council Scholarship for postgraduate
research, not accepted, 1972

South African Ethical Foundation, grant for travel expenses
to the USA to aid postgraduate medical research, 1972

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Obstetrics and Gynecology, Groote Schuur Hospital, 6 months, 1966
Senior Internship, Senior House Officer: Department of

Resident, Department of Medicine, Groote Schuur Hospital,
1968-1970

Chief Resident, Department of Medicine, Groote Schuur
Hospital, 1970-1971

Fellowship in Endocrinology, Instructor in Medicine, Medical University of South Carolina, February 1972 - June 1973.
Dr. J.A. Colwell (Director, Endocrinology-Diabetes-Metabolism Division)

ACADEMIC POSITIONS

Junior Lecturer, Department of Anatomy, University of the Witwatersrand, Johannesburg, South Africa, 1967. Prof. Tobias (Chairman of the Department)

Attending Physician, Internal Medicine, Department of Medicine, University of Cape Town Medical School and Groote Schuur Hospital, 1971-1972

Specialist Internist (Attending Physician) and Consultant Endocrinologist, University of Witwatersrand Medical School and Johannesburg General Hospital, Johannesburg, South Africa, 1973 - April 1975

Assistant Professor of Medicine, Medical University of South Carolina, Division of Endocrinology-Diabetes-Metabolism, May 1975 - June 1978

Associate Professor of Medicine, Medical University of South Carolina, Division of Endocrinology-Diabetes-Metabolism, July 1978 - June 1983

Professor of Medicine, Medical University of South Carolina, Division of Endocrinology-Diabetes-Metabolism, July 1983 - present

ADMINISTRATIVE POSITIONS

Chief, Specialized Diagnostic and Therapeutic Unit, Ralph H. Johnson VA Medical Center, Charleston, South Carolina, 1975-1984

Chief, Medical Service, Ralph H. Johnson VA Medical Center, Charleston, South Carolina, March 1981 - present

ADDITIONAL CLINICAL EXPERIENCE

Locum tenans, General Practice, 6 months, 1966

Part-time medical officer, emergency room, Johannesburg
General Hospital, South Africa, 1967

SPECIALTY BOARD CERTIFICATION

Elected a Fellow of the College of Physicians of South
Africa by examination, F.C.P. (S.A.), 1970. (Comparable to
the American Board of Internal Medicine)

Diplomate of American Board of Internal Medicine, 1977

Diplomate in the subspecialty of Endocrinology and
Metabolism, 1979

ORGANIZATIONS

Southern Society for Clinical Investigation
American Endocrine Society
American College of Physicians (Fellow) - 1979 FACP
American Federation for Clinical Research
Charleston County Medical Society
Registered with the South African Medical Council as
Specialist Internist
College of Medicine in South Africa (Fellow)
Medical Association of South Africa (1965-1974)
South African Endocrine Society; Committee Member and
Congress Secretary, 1973-1974

SCHOLARSHIPS

Morris Mauerberger Scholarship for Medical Students of the
University of Cape Town, 1962-1964

Awarded a British Council Scholarship for postgraduate
research, not accepted, 1972

South African Ethical Drug Foundation, grant for travel
expenses to the USA to aid postgraduate medical research,
1972

LICENSURE

Licensed to practice in South Carolina

TEACHING AWARDS

American Medical Student Association, Golden Apple Award (Clinical Teaching), Medical University of South Carolina, 1976

American Medical Student Association, Golden Apple Award (Clinical Teaching), Medical University of South Carolina, 1992

Medical University of South Carolina, Department of Family Medicine, Hospital Teacher of the Year Award, 1995-1996

Medical University of South Carolina, Department of Medicine, The Auget Largiendo Award, Attending of the Year, 1996

American Medical Student Association, Golden Apple Award (Clinical Teaching), Medical University of South Carolina, 1996

Medical University of South Carolina, Department of Medicine, The Auget Largiendo Award, Attending of the Year, 1997

HONORS

Alpha Omega Alpha (AOA) Honor Medical Society, Faculty Member, 1985

Hippocratic Oath Ceremony Main Address
For Graduating Medical Students
Summerall Chapel (Citadel), 1991

Hippocratic Oath Ceremony Main Address
For Graduating Medical Students
Summerall Chapel (Citadel), 1994

INTRAMURAL ADMINISTRATIVE DUTIES

Medical University of South Carolina

Institutional Review Board for Human Research (alternate reviewer), 1977-1978
University Committee to Review Potential Foreign Associations
University Tenure Committee, 1988 - 1990

College of Medicine

President's Clinical Science Award Committee, Chairman as from 1988
Student Progress Committee, 1977-1980

Department of Medicine

Chief of Service Meeting
Division Directors Meeting
Endocrine Division Education Subcommittee
Housestaff Evaluation Committee
Housestaff Recruitment Committee
Postgraduate Education Committee
Department of Medicine - Education Steering Committee
Co-Chair Student Education Committee
Co-Course Director for Junior and Senior Medical Student Core Medicine Clerkships including Externships and electives
Course Director, Physical Diagnosis, 1997-Present

Ralph H. Johnson VA Medical Center

Committee work terminated with Chief of Medicine position at the VA

Ambulatory Committee
Chiefs of Medicine TAG Group (MEDIPP)
Clinical Executive Board
Deans Committee - (attends)
Dean's RAM Subcommittee
Director's Staff Conference
Discharge Planning Review Board
Equipment Committee
Facility Planning Board
Finance Resource Committee
Housestaff Review Committee
Material Resource Committee
Medical Staff Meeting
MUSC-VAMC Affiliation Committee
Professional Standards Board (Respiratory Therapy)
Professional Standards Board (Physicians)
Quality Assurance Committee

Research and Development Committee, 1977-1980;
1982-present
Resource Management Board

Medical Service Committees

Committee work terminated with Chief of Medicine position
at the VA

End Stage Renal Disease Committee (Ad Hoc)
Medical Service Clinical Staff Meetings (Chairman)
MICU Committee

HOSPITAL APPOINTMENTS

Medical University of South Carolina
171 Ashley Avenue
Charleston, SC 29425

Ralph H. Johnson VA Medical Center
109 Bee Street
Charleston, SC 29401-5799

Charleston Memorial Hospital
326 Calhoun Street
Charleston, SC 29401

Bons Secours-St. Francis Xavier Hospital
135 Rutledge Avenue
Charleston, SC 29401 (Expired)

OTHER

None

NATIONAL, INTERNATIONAL

None

PUBLICATIONS

1. Sagel J, Muller H, Logan E: Lymphoma and the nephrotic syndrome. S Afr Med J 44:79, 1971.
2. Epstein S, Sagel J, Jackson WPU: A case of pseudohypoparathyroidism. S Afr Med J 44:115, 1971.
3. Sagel J, Matisonn R: Neuropsychiatric disturbance as the initial manifestation of digitalis toxicity. S Afr Med J 46:512, 1972.
4. Sagel J, Epstein S, Kalk J, Van Mieghem W: Radioactive iodine (^{131}I) therapy for thyrotoxicosis at Groote Schuur Hospital over a 6-year period. Postgrad Med J 48:308-313, 1972.
5. Kahn S, Sagel J, Eales L, Rabkin R: The significance of serum creatinine and the blood urea serum creatinine ratio in azotemia. S Afr Med J 46:1828, 1972.
6. Sagel J, Epstein S, Jackson WPU: Relation between the 6 and 24 hour thyroidal ^{131}I uptake and the control of thyrotoxicosis by radioactive ^{131}I therapy. S Afr Med J 47:1356-1358, 1973.
7. Epstein S, Van Mieghem W, Sagel J, Jackson WPU: Effect of single large doses of oral calcium on serum calcium levels in the young and the elderly. Metabolism 22:1163-1173, 1973.
8. Sagel J, Colwell JA, Loadholt CB, Lizarralde G: Circadian rhythm in the urinary excretion of cyclic 3',5'-adenosine monophosphate in man. J Clin Endocrinol Metab 37:570-573, 1973.
9. Sagel J, Colwell JA: Shock during oral glucose tolerance testing. J A M A 226:667-668, 1973.
10. Distiller LA, Sagel J, Polakow ES, Morley JE: A therapeutic response to the administration of a single diagnostic dose of luteinizing hormone-releasing hormone. S Afr Med J 49:50-52, 1975.
11. Distiller LA, Sagel J, Morley JE: Assessment of pituitary gonadotropin reserve using luteinizing hormone-releasing hormone (LRH) in states of altered thyroid function. J Clin Endocrinol Metab 40:512-515, 1975.
12. Beaton GR, Sagel J, Distiller LA: Somatomedin activity in cerebrospinal fluid. J Clin Endocrinol Metab 40:736-737, 1975.
13. Distiller LA, Sagel J, Morley JE, Joffe BI, Seftel HC:

- Pituitary responsiveness to luteinizing hormone-releasing hormone in insulin dependent diabetes mellitus. *Diabetes* 24:378-380, 1975.
14. Distiller LA, Sagel J, Jacobson S: Thyroid function in osteogenesis imperfecta. *Horm Metab Res* 7:173-175, 1975.
 15. Sagel J, Colwell JA, Crook L, Laimins M: Increased platelet aggregation in early diabetes mellitus. *Ann Intern Med* 82:733-738, 1975.
 16. Distiller LA, Morley JE, Sagel J, Pokroy M, Rabkin R: Pituitary gonadal function in chronic renal failure: The effect of luteinizing hormone-releasing hormone and the influence of dialysis. *Metabolism* 24:711-720, 1975.
 17. Sagel J, Distiller LA, Morley JE, Isaacs H: Myotonia dystrophica: Studies on gonadal function using luteinizing hormone-releasing hormone (LRH). *J Clin Endocrinol Metab* 40:1110-1113, 1975.
 18. Dubowitz B, Distiller LA, Sagel J, Miller N, Gecelter L: Pituitary gonadotropin response to luteinizing hormone-releasing hormone (LH-RH) in males with azo- and oligospermia. *Int J Fertil* 20:1-4, 1975.
 19. Sagel J, Distiller LA, Joffe BI: The role of luteinizing hormone-releasing hormone in the diagnosis of constitutional delayed puberty. *Postgrad Med J* 51:615-618, 1975.
 20. Epstein S, Sagel J, Zabow T, Pimstone B, Vinik A: The effect of prolonged lithium carbonate administration on the thyrotropin and prolactin response to thyrotropin-releasing hormone. *S Afr Med J* 49:1977-1979, 1975.
 21. Morley JE, Distiller LA, Sagel J, Oxenham E: The diagnostic application of clomiphene citrate and luteinizing hormone-releasing hormone in patients with amenorrhea and oligomenorrhea. *Int J Fertil* 20:225-227, 1975.
 22. Epstein S, Sagel J, Brodoucky H, Tuff S, Eales L: Absence of an acute effect of calcium and parathyroid hormone administration on plasma renin activity in man. *Clin Sci Molec Med* 50:79-81, 1976.
 23. Colwell JA, Halushka PV, Sarji K, Levine J, Sagel J, Nair RMG: Altered platelet function in diabetes. *Diabetes* 25 (Suppl 2):826-831, 1976.
 24. Distiller LA, Sagel J, Dubowitz B, Kay G, Carr PJ, Katz M, Kew MC: Pituitary-gonadal function in men with alcoholic cirrhosis of the liver. *Horm Metab Res* 8:461-464, 1976.

25. Colwell JA, Sagel J, Crook L, Chambers A, Laimins M: Correlation of platelet aggregation, "plasma factor" activity and megathrombocytes in diabetic subjects with and without vascular disease. *Metabolism* 26:279-285, 1977.
26. Morley JE, Distiller LA, Sagel J, Kok SH, Kay G, Carr P, Katz M: Hormonal changes associated with testicular atrophy and gynecomastia in patients with leprosy. *Clin Endocrinol* 6:299-304, 1977.
27. Sarji KE, Levine JH, Nair RMG, Sagel J, Colwell JA: Relation between growth hormone levels and von Willebrand factor activity. *J Clin Endocrinol Metab* 45:853-856, 1977.
28. Nair RMG, Sagel J, Colwell JA, Mathur RS, Powers JM, Luborsky-Moore JL, Worthington WC Jr: Modern concepts on the structure-activity relationships and the mechanism of action of gonadotropin-releasing hormone and its superactive analogues. In: Hypothalamic Hormones- Chemistry, Physiology, and Clinical Applications, Proceedings of the 2nd European Colloquium on Hypothalamic Hormones, Verlag Chemie, Tubingen, July 1976, pp 21-45.
29. Mathur RS, Sagel J, Williamson HO, Colwell JA, Nair RMG: Evaluation of the pituitary-gonadal axis in males: Use of synthetic gonadotropin-releasing hormone and its superactive analogue. In: Hypothalamic Hormones- Chemistry, Physiology, and Clinical Applications, Proceedings of the 2nd European Colloquium on Hypothalamic Hormones, Verlag Chemie, Tubingen, July 1976, pp 509-527.
30. Colwell JA, Sarji KE, Sagel J, Levine J: Platelet-active plasma factors and diabetes mellitus. In: Platelet Function Testing, Day HJ, Holmsen H, Zucker MB (eds), DHEW Publication No. (NIH) 78-1087, Philadelphia, 1978, pp 657-661.
31. Livingstone IR, Sagel J, Distiller LA, Morley J, Katz M: Effect of luteinizing hormone releasing hormone (LRH) on pituitary gonadotropins in male homosexuals. *Horm Metab Res* 10:248-249, 1978.

32. Colwell JA, Halushka PV, Sarji KE, Sagel J: Platelet function and diabetes mellitus. *Med Clin North Am* 62:753-766, 1978.
33. Colwell JA, Halushka PV, Sarji KE, Sagel J: Rationale for antiplatelet agents in diabetic vascular disease. In: Thrombosis: Animal and Clinical Models, Day HJ, Molony BA, Nishizawa EE, Rynbrandt RH (eds), Plenum Publishing Corporation, 1978, pp 243-256.
34. Levine JH, Sagel J, Rosebrock GL Jr, Gonzalez J: Hyperprolactinemia and multiple endocrine adenomatosis type 1 (MEA-1) syndrome. *Arch Int Med (Editorial)* 138:1777-1778, 1978.
35. Colwell JA, Halushka PV, Sarji KE, Lopes-Virella MF, Sagel J: Diabetic vascular disease. Pathophysiological mechanisms and therapy. *Arch Int Med* 139:225-230, 1979.
36. Colwell JA, Nair RMG, Halushka PV, Rogers C, Whetsell A, Sagel J: Platelet adhesion and aggregation in diabetes mellitus. *Metabolism* 28 (No. 4, Suppl 1):394-400, 1979.
37. Lopes-Virella MF, Virella G, Rosebrock G, Sagel J, Gonzalez J, Colwell JA: Early diagnosis of renal malfunction in diabetes: Abnormal proteinuria revealed by sodium dodecylsulfate-polyacrylamide gel electrophoresis. *Diabetologia* 16:165-171, 1979.
38. Morley JE, Distiller LA, Epstein S, Katz M, Gold C, Sagel J, Pokroy M, Kalk J: Menstrual disturbances in chronic renal failure. *Horm Metab Res* 11:68-72, 1979.
39. Levine JH, Sagel J, Rosebrock G, Gonzalez JJ, Nair RMG, Rawe S, Powers JM: Prolactin-secreting adenoma as part of the multiple endocrine neoplasia-type 1 (MEN-1) syndrome. *Cancer* 43:2492-2496, 1979.
40. Sagel J, Lopes-Virella MF, Levine JH, Colwell JA: Decreased high density lipoprotein cholesterol in hypopituitarism. *J Clin Endocrinol Metab* 49:753-756, 1979.
41. Mayfield RK, Sagel J, Colwell JA: Thyrotoxicosis without elevated serum triiodothyronine levels during diabetic ketoacidosis. *Arch Intern Med* 40:408-410, 1980.

42. Gordon L, Mayfield RK, Levine JH, Lopes-Virella MF, Sagel J, Buse MG: Failure to visualize adrenal glands in a patient with bilateral adrenal hyperplasia. *J Nucl Med* 21:49-51, 1980.
43. Nair RMG, Barnes M, Mathur RS, Thomas TN, Sagel J: Unique structural characteristics and certain similarities in the functional and binding parts of the hypothalamic releasing factors. In: Peptides Structure and Biological Function, Gross E, Meienhofer J (eds), Pierce Chemical Co., 1980, pp 807-810.
44. Gonzalez JJ, Colwell JA, Sarji KE, Nair RMG, Sagel J: Effect of metabolic control with insulin on plasma von Willebrand factor activity (VIIIIR:WF) in diabetes mellitus. *Thromb Res* 17:261-266, 1980.
45. Phansey SA, Barnes MA, Williamson HO, Nair RMG, Sagel J: Combined use of clomiphene and intranasal luteinizing hormone-releasing hormone for induction of ovulation in chronically anovulatory women. *Fertil Steril* 34:448-451, 1980.
46. Colwell JA, Halushka PV, Nair RMG, Sarji KE, Sagel J: A review of platelet function in diabetes mellitus. *Pediatr Adolesc Endocr* 9:24-30, 1981.
47. Phansey S, Powers JM, Sagel J, Hungerford GD, Rawe SE, Williamson HO: Calcified pituitary prolactinoma. *Obstet Gynecol* 57:62S-66S, 1981.
48. Van Zile J, Kilpatrick M, Laimins M, Sagel J, Colwell J, Virella G: Platelet aggregation and release of ATP after incubation with soluble immune complexes purified from the serum of diabetic patients. *Diabetes* 30:575-579, 1981.
49. Colwell JA, Halushka PV, Nair RMG, Sagel J: Platelet and endothelial function in diabetes mellitus. Hemorheology and Diseases, Proceedings of the First European Conference on Clinical Hemorheology. Doin Editeurs, Paris, France, 1981, pp 501-509.
50. Virella G, Wohltmann H, Sagel J, Lopes-Virella MF, Kilpatrick M, Phillips C, Colwell J: Soluble immune complexes in patients with diabetes mellitus: Detection and pathological significance. *Diabetologia* 21:184-191, 1981.

51. Nair RMG, Barnes M, Johnson J, Thomas TN, Sagel J: Studies on bovine and human growth hormone-releasing factors. In: Peptides: Synthesis-Structure-Function, Proceedings of the 7th American Peptide Symposium, Gross E, Rich DH (eds), Pierce Chemical Company, 1981, pp 665-668.
52. Pritchard PB, Wannamaker BB, Sagel J, De Villier C: Postictal hyperprolactinemia in complex partial epilepsy. *Trans Am Neurol Assoc* 106:117-118, 1981.
53. Lopes-Virella MF, Sherer GK, Lees AM, Wohltmann H, Mayfield R, Sagel J, Leroy EC, Colwell JA: Surface binding, internalization, and degradation by cultured human fibroblasts of low density lipoproteins isolated from insulin-dependent diabetics: Changes with metabolic control. *Diabetologia* 22:430-436, 1982.
54. Nair RMG, Phansey S, Thomas TN, Sagel J: Inhibitory control over human PRL-secreting pituitary adenoma by purified bovine hypothalamic peptides. *Neuroendocrinol Letters* 4:211, 1982.
55. Sagel J, Levine JH, Mathur RS, Rosebrock G, Gonzalez J, De Villier C, Nair RMG: Plasma steroid concentrations in patients with hypopituitarism and Kallman's syndrome: Effects of testosterone replacement therapy. *Clin Endocrinol* 17:223-231, 1982.
56. Pritchard PB, Wannamaker BB, Sagel J, Nair RMG, De Villier C: Endocrine function following complex partial seizures. *Ann Neuro* 14:27-32, 1983.
57. Pritchard PB, Wannamaker BB, Sagel J, Daniel CM: Serum prolactin and cortisol levels in evaluation of pseudoepileptic seizures. *Ann Neurol* 18:87-89, 1985.
58. Sperling MR, Pritchard PB, Engel J, Daniel C, Sagel J: Prolactin in partial epilepsy: an indicator of limbic seizures. *Ann Neurol* 20:716-722, 1986.
59. Mountcastle RB, Roof BS, Mayfield RK, Mordes DB, Sagel J, Biggs PJ, Rawe SE: Pituitary adenocarcinoma in an acromegalic patient: response to bromocriptine and pituitary testing: a review of the literature on 36 cases of pituitary carcinoma. *Am J Med Sci* 298:109-118, 1989.
60. Sagel J: Cushing's Syndrome. *Clin Dermatology* (2) 12-23: 1-6, 1989.

61. Sagel J: Addison's Disease (Chronic Adrenocortical Insufficiency). Clin Dermatology (2) 12-24:1-3, 1989.
62. Sagel J: Acromegaly. Clin Dermatology (2) 12-29:1-6, 1989.

CLINICAL NOTE

1. Sagel J, Distiller LA, Morley JE, Isaacs H: Normal thyrotropin-releasing hormone response in myotonia dystrophica. Arch Neurol 33:520, 1976.
2. Jaffe BI, Distiller LA, Sagel J, Lawson M, Morley JE, Seftel HC: Luteinizing hormone-releasing hormone and serum growth hormone in insulin-dependent diabetics. S Afr Med J 51:979-980, 1977.
3. Pritchard PB, Wannamaker BB, Sagel J, De Villier C: Endocrine dysfunction in temporal lobe epilepsy. Arch Neurol 39:786-787, 1982 (letter).

INVITED ARTICLE

1. Sagel J: Disorders of sexual differentiation. Cont Ed Fam Phys 111:56-63, 1976.
2. Sagel J: Hypothalamic regulatory hormones - Their clinical application in hypothalamic, pituitary and end organ disease. Cont Ed Fam Phys 111:74-78, 1982.

BOOKS

1. Colwell JA, Lizarralde G, Sagel J, Levine J: Diabetes, Endocrinology and Metabolic Disorders. Continuing Education Review. Medical Examination Publishing Company, Inc., Garden City, New York, 1982.

ABSTRACTS

1. Colwell J, Sagel J, Crook L, Nussbaum A, Laimins M: Studies on the response of diabetic platelets to aggregating agents. Proceedings of the 8th Congress of International Diabetes Federation, 1973.
2. Colwell J, Sagel J, Pennington R, Meeks M, Scarpato R, Laimins M: Effect of therapy on platelet aggregation in diabetes. Clin Res 21 (#4):884, 1973.
3. Nussbaum A, Crook L, Sagel J, Laimins M, Colwell JA: ADP, ATP, and half-life of ADP in plasma and platelets from diabetic and normal subjects. Clin Res 21 (#1):46, 1973. Presented, Southern Society for Clinical Investigation.
4. Sagel J, Crook L, Nussbaum A, Laimins M, Colwell JA: Effect of ADP, epinephrine, and collagen on platelet aggregation in diabetes. Clin Res 21 (#1):47, 1973.
5. Sagel J, Crook L, Nussbaum A, Laimins M, Colwell J: Platelet aggregation studies and nucleotide estimation in diabetes mellitus. Clin Res 21 (#3):566, 1973.
6. Colwell J, Sagel J, Crook L, Laimins M: Studies on platelet aggregation in diabetes mellitus. Clin Res 22 (#3):567A, 1974.
7. Colwell J, Sagel J, Chambers A, Crook L, Laimins M: Diabetic vascular disease and platelet aggregation. American College of Physicians, 56th Annual Session.
8. Sarji KE, Levine JH, Nair RMG, Sagel J, Colwell JA: Regulation of von Willebrand factor activity by growth hormone. Annual Meeting, American Diabetes Association, San Francisco, California, June 1976.
9. Lopes-Virella MF, Gonzalez J, Rosebrock G, Lichtenstein L, Sagel J, Colwell JA: High density lipoprotein cholesterol (HDL-Chol) and apolipoprotein A (Apo A) levels in diabetics with and without macrovascular disease. Diabetes 26 (Suppl 1):360, 1977.
10. Roof BS, Wannamaker B, Ingham M, Sagel J: Retention of calcium after infusion in patients on long term anticonvulsant therapy without radiological evidence of osseus abnormality. Abstracts of the Endocrine Society 499:311, 1977.

11. Rosebrock G, Sagel J, Mathur R, Nair RMG, Gonzalez JJ, Levine JH: Plasma steroid profile in Kallman's syndrome. Clin Res 25:300A, 1977.
12. Sarji KE, Virella M, Gonzalez J, Sagel J, Colwell JA: Studies on the factor VIII complex in normals and diabetics. Abstracts, Southern Sugar Club, 1977.
13. Sarji KE, Schraibman HB, Levine JH, Barnes M, Nair RMG, Sagel J, Colwell JA: Relation of growth hormone and von Willebrand factor activity. Abstracts, Vith International Congress on Thrombosis and Haemostasis, 1977.
14. Jacobson RJ, Sagel J, Distiller LA, Morley JE: Leydig cell dysfunction in male patients with Hodgkin's Disease receiving chemotherapy. Clin Res 26 (#3):437A, 1978.
15. Rosebrock GL, Levine JH, Sagel J, Nair RMG, Gonzalez JJ, Rawe S, Powers JM: Prolactin secreting adenoma as part of the multiple endocrine neoplasia Type 1 (MEN-1) syndrome. Clin Res 26 (#1):69A, 1978.
16. Sagel J, Lopes-Virella M, Colwell JA, Levine JH: Altered high density lipoprotein cholesterol (HDL-Chol) in hypothalamic-pituitary disorders. Clin Res 26 (#6):758A, 1978.
17. Sagel J, McCoy S, Gonzalez J, Rosebrock G, Loadholt CB, Colwell JA: Prolactin control and responsiveness in diabetes mellitus. Clin Res 26 (#1):49A, 1978.
18. Sagel J, Mathur RS, Colwell JA, Nair RMG: Gonadotropin responses and testicular steroidogenesis following a new superactive analogue of gonadotropin releasing hormone. Abstracts of the Endocrine Society 458:761, 1978.
19. Sarda A, Nair RMG, Sagel J, Barnes M: Evaluation of the gonadotropin releasing hormone levels in humans. Abstracts of the Endocrine Society 457:759, 1978.
20. Sarji KE, Kleinfelder J, Gonzalez J, Sagel J, Hempling H, Colwell JA: Possible link of decreased platelet vitamin C levels to hyperaggregation in diabetes mellitus. Diabetes 27 (Suppl 2):447, 1978.
21. Colwell JA, Gonzalez J, Sarji KE, Nair RM, Sagel J: Effect of metabolic control with insulin on plasma von Willebrand factor activity, growth hormone and platelet aggregation in diabetes mellitus. Thrombos Haemost

- 42(a):382, 1979.
22. Colwell JA, Halushka PV, Lopes-Virella M, Nair RMG, Sargi K, Sagel J: Vascular risk factors in diabetes mellitus. Proceedings, 10th Congress of the International Diabetes Federation, Vienna, Austria, 1979.
 23. Colwell JA, Halushka PV, Nair RMG, Sarji KE, Sagel J: Platelet function in diabetes mellitus. European Symposium, Hemorrheology and Pathology, Nancy, France, Abstract 7-1, 1979.
 24. Gordon L, Mayfield RK, Sagel J, Lopes-Virella MF, Levine JH: Distribution of ^{131}I iodomethylnorcholesterol (NP-59) in plasma lipoproteins in patients with adrenal disorders. Clin Res 27 (#5):755A, 1979.
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