

Irwin Harold Rosenberg, MD

PERSONAL

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Home Address: 1 Marlborough Street, Boston, MA
Telephone: (617) 262-0348
Place of Birth: Madison, Wisconsin

Citizenship: United States

Wife's Maiden Name: Civia Muffs
Wife's Birthplace: New York, New York
Children: Daniel and Ilana Rosenberg

EDUCATION

Degree:	B.S., (High Honors) University of Wisconsin Madison, Wisconsin	1956
	M.D., (cum laude) Harvard University Cambridge, Massachusetts	1959
Internship:	Massachusetts General Hospital, Boston	1959/ 60
Residency:	Massachusetts General Hospital, Boston	1960/ 61
Research Associate:	National Institutes of Health	1961/64
Research Fellow:	Thorndike Memorial Laboratory, Harvard Medical School	1964/65

FACULTY APPOINTMENTS

Instructor in Medicine:	Harvard Medical School, Boston	1965
Associate in Medicine:	Harvard Medical School, Boston	

	Thorndike Memorial Laboratory Boston City Hospital	1965
Visiting Scientist:	Department of Biophysics, Weizmann Institute of Science, Rehovot, Israel	1968/69
Assistant Professor of Medicine:	Harvard Medical School, Boston	1969/70
Assistant Professor of Medicine:	University of Chicago, Chicago	1970
Chief, Section of Gastroenterology	University of Chicago, Chicago	1971/86
Professor of Medicine:	University of Chicago, Chicago	1975/86
Sara and Harold Lincoln Thompson Professor of Medicine:	University of Chicago, Chicago	
Co-Chair, Committee on Human Nutrition and Nutritional Biology:	University of Chicago, Chicago	1978/86
Director:	USDA Human Nutrition Research Center on Aging, Tufts University, Boston, MA	1986-2001
Professor of Physiology and Medicine:	Tufts University School of Medicine	1987-
Professor of Nutrition:	Tufts University School of Nutrition	1987-
Director Clinical Nutrition Division	Tufts University/New England Medical Center	1991-1998
Vannevar Bush Professor	Tufts University	1993/94
Jean Mayer Chair in Nutrition	Tufts University	1994-
Dean, Friedman School of Nutrition	Tufts University	1995-
University Professor	Tufts University	2001-

SOCIETIES

Phi Beta Kappa

Alpha Omega Alpha

American Gastroenterological Association

American Federation for Clinical Research

Medical Committee for Human Rights

American Society for Clinical Investigation

Gastroenterology Research Group, Steering Committee

Chicago Society for Gastroenterology

Chicago Society for Internal Medicine

Central Society for Clinical Investigation

Central Clinical Research Club

American Association of Physicians

Society for Investigative Nutrition (Chicago)

American Association for Advancement of Science

Gerontological Society of America

OFFICES HELD

Consultant, Nutrition Program, National Center for Chronic Disease Control, Department of Health, Education and Welfare (formerly Nutrition Program, Office of International Health, NIH, 1965/71).

Consultant, USAID Food and Human Resources Program in India, Lecturer in Nutrition, Peace Corps Training Program, Experiment for International Living, Putney, Vermont, 1967.

Committee on International Programs, Food and Nutrition Board, National Academy of Sciences, 1970/76.

Gastroenterology and Nutrition Training Grant Study Section, National Institute of Health, 1971/73.

Chair, subcommittee on the Interactions of Nutrition and Infection, National Research Council, National Academy of Sciences, 1971/74.

Chair, Panel on Vitamins, Minerals and Hematinics, Food and Drug Administration, 1973/76.

Research Committee, American Gastroenterological Association, 1973-

Chair, Gastroenterology Research Group, 1975/76.

General Medicine A Study Section, NIH, 1976/78.

Food and Nutrition Board, National Academy of Sciences, 1976/83.

Chair, Research Committee, American Society for Clinical Nutrition, 1976/79.

U.S./Japan Malnutrition Panel, National Institutes of Health, 1978/88.

Training and Education Committee, American Gastroenterological Association, 1978/80.

Liaison to Association to American Medical Colleges for American Gastroenterological Association, 1980-.

Nutrition Advisory Group, American Medical Association, 1980/83.

Director, Postgraduate Course, American Gastroenterological Association, 1980.

NIH-AMRB Study Section on Training in GI and Nutrition, 1980/86.

Nominating Committee, American Society for Clinical Nutrition, 1981/86.

Chair, Food and Nutrition Board, National Academy of Sciences, 1981/83.

President, American Society for Clinical Nutrition, 1983/84.

Chair, U.S./Japan Malnutrition Panel, National Institutes of Health, 1983

Chair, Public Affairs Committee, American Institute of Nutrition/American Society for Clinical Nutrition, 1984.

Board of Directors, Massachusetts Society for Medical Research, 1987/90.

National Digestive Diseases Advisory Board, 1987/90.

Kraft Nutritional Advisory Board, 1988/90.

National Advisory Committee for National Medical Fellowships', Inc., Nutrition Fellowship Program, 1989.

Member, Technical Expert Panel - Nutrition Screening Initiative in the Elderly, 1990-

Board of Directors, International Nutrition Foundation for Developing Countries, 1991-

Committee on Opportunities in the Nutrition and Food Sciences, Food and Nutrition Board, Institute of Medicine 1991-1994

Member, Food and Drug Administration, Folic Acid Subcommittee, 1992-1994

Member, External Advisory Committee of the CNRU at Harvard, 1993-

Member, Sponsors Panel, Brookdale Fellowships in Aging Research, 1993-

Member, Ad Hoc Advisory Committee on Nutrition and Aging, National Institute on Aging, 1993-1994

Member, Clinical & Scientific Advisory Board of GENEMEDICINE, 1994-1996

Member, HHS/USDA Dietary Guidelines Advisory Committee, 1994-1996

Member, Institute of Medicine of the National Academy of Sciences, 1994-

Member, (Food and Nutrition Board) Institute of Medicine, Subcommittee on Upper Safe Reference Levels of Nutrients, 1996-present; Chair – IOM Committee on the Use of the DRIs in Nutrition Labeling, 2002-2003

MILITARY SERVICE

Commissioned Officer in U.S. Public Health Service, National Institutes of Health (NIAMD). (Two years engaged in clinical research on malnutrition and cholera in East Pakistan. One year engaged in intramural research at NIH).

FELLOWSHIPS

Research Fellow:	Harvard Medical School Thorndike Memorial Laboratory Boston City Hospital	1964/65
Recipient:	National Institutes of Health Career Development Award	1969/74

HONORS

The Josiah Macy Faculty Award, 1974.

Grace Goldsmith Award of the American College of Nutrition, 1984.

Robert H. Herman Memorial Award of American Society for Clinical Nutrition, 1989.

Lord Butterfield Visiting Professorship, Dunn Nutrition Laboratories, Cambridge University, 1991.

Jonathan E. Rhoads Lectureship, American Society for Parenteral and Enteral Nutrition, 1993.

Fellow of the American Association for the Advancement of Science, 1992.

W. O. Atwater Memorial Lecturer, 1994.

Bristol Myers Squibb/Mead Johnson Award for Distinguished Achievement in Nutrition Research, 1996.

Fellow, International Union of Nutritional Sciences, 1997.

Institute of Medicine, NAS, 1997.

Commissioner's Medal, FDA, 2000.

President, International Homocysteine Society, 2001.

Milton Nichols Memorial Endowed Lectureship in Clinical Nutrition, 2003.

EDITORIAL BOARDS

Journal of Nutrition

American Journal of Clinical Nutrition

Journal of Laboratory of Clinical Medicine

Editorial Advisory Board, ISI Atlas of Science:Medicine, 1988/89.

Editor-in-Chief, Nutrition Reviews, 1988-2002.

Nutrition Today, 1997-

Chairman, Editorial Board, Nutrition and Clinical Care, 1997-2001

The Journal of Nutrition, Health & Aging, 1997-
Integrative Medicine, Editorial Board, 1998-
Editor-in-Chief, Nutrition in Clinical Care, 2002-
Editor-in-Chief, Food & Nutrition Bulletin, 2002-
Associate Editor, Nutrition Reviews, 2002-

PUBLICATIONS

- Lees RS, Canellos GP, Rosenberg IH, Hatch FT: Myocardial infarction in one pair of twenty-seven year old identical male twins. **Amer J Med** 34:741-746, 1963.
- Greenough WB, Rosenberg IH, Gordon RS, Davis BI, Beneson AS: Tetracycline in the treatment cholera. **Lancet** 355-357, 1964.
- Rosenberg IH, Coleman AL, Rosenberg LE: The role of sodium ions in the transport of amino acids by the intestine. **Biochem Biophys Acta** 102:161-171, 1965.
- Ahmad K, Reiner MD, Rosenberg IH, Siddiqui MKB: Nutritional status in East Pakistan. Proceedings of the Cholera Research Symposium. Department of Health, Education, and Welfare, Public Health Service, Superintendent of Documents, **U.S. Government Printing Office**, Document #1965-775-163, 68-73, 1965.
- Rosenberg IH, Greenough WB, Lindenbaum J, Gordon RS: Nutritional studies in cholera. The influence of nutritional status on susceptibility to infection. **Amer J Clin Nutr** 19:384, 1966.
- Rosenberg IH, Hardison WG, Bull DM: Abnormal bile-salt patterns and intestinal bacterial overgrowth associated with malabsorption. **New Engl J Med** 276:1391, 1967.
- Hardison WGM, Rosenberg IH (Technical Assistance: Elizabeth A. Greene): Bile salt deficiency in the steatorrhea following resection of the ileum and proximal colon. **New Engl J Med** 277:377, 1967.
- Rosenberg IH, Rosenberg LE: Localization and characterization of adenosine triphosphatase in guinea pig intestinal epithelium. **Comp Biochem Physiol** 24:975-985, 1968.
- Hirschorn N, Rosenberg IH: Sodium-potassium ATPase of the human intestine: Depression in cholera and other diarrheal diseases. **J Lab Clin Med** 72:28, 1968.
- Rosenberg IH, Streiff RR, Godwin HA, Castle WB: Impairment of intestinal deconjugation of dietary folate by phenytoin. **Lancet** September 7, 1968.

- Rosenberg IH: Influence of intestinal bacteria on bile acid metabolism and fat absorption. Contributions from studies of blind-loop syndrome. **Am J Clin Nutr** 22(3):284-291, 1968.
- Rosenberg IH, Streiff RR, Godwin HA, Castle WB: Absorption of polyglutamic folate: Participation of deconjugating enzymes of intestinal mucosa. **New Engl J Med** 280:18, 985-988, 1969.
- Olsen WA, Rosenberg IH: Intestinal transport of sugars and amino acids in diabetic rats. **J Clin Invest** 49:1, 96-105, 1970.
- Meienhofer J, Jacobs PM, Godwin HA, Rosenberg IH: Synthesis of hepta-L-glutamic acid by conventional and solid phase techniques. **J Org Chem** 35:4137-4140, 1970.
- Rosenberg IH, Godwin HA: The digestion and absorption of dietary folate. **Gastroenterology** 60(3):455-463, 1971.
- Einstein LP, Mackay DM, Rosenberg IH: Pediatric zylose malabsorption in East Pakistan: Correlation with age, growth retardation, and weaning diarrhea. **Am J Clin Nutr** 25(11):1230-1233, 1972.
- Godwin HA, Rosenberg IH, Ferez CR, Jacobs PM, Meienhofer J: The synthesis of biologically active pteroyl-L-glutamates (folic acid conjugates). Evaluation of [3H] Pteroyl heptaglutamate for metabolic studies. **J Biol Chem** 247(8):2266-2271, 1972.
- Rosenberg IH: Drugs and folic acid absorption. **Gastroenterology** 63:353-357, 1972.
- Franklin J, Rosenberg IH: Impaired folic acid absorption in inflammatory bowel disease: Effects of salicylazosulfapyridine (azulfidine). **Gastroenterology** 64, 517-525, 1973.
- Rudo ND, Rosenberg IH: Chronic glucagon administration enhances intestinal transport in the rat. **Proc Soc Exp Biol Med** 142(2):521-525, 1973.
- Klein PD, Hofmann AF, Nyhan WL, Rosenberg IH, Watkins JB: The Argonne program for clinical applications of stable isotopes. A collaborative multi-focal development of methods and applications. "Radiopharmaceuticals and Labeled Compounds," Vol. II. **Proc International Atomic Energy Agency**, 293-309, 1973.
- Rosenberg IH, Hachey DL, Beer DE, Klein PD: Deuterium labeled folic acid: Synthesis and applications to studies in man. **Prof First International Conf on Stable Isotopes in Chem Biol and Med USAEC Conference** 730525, 421-427, 1973.
- Russell RM, Smith VC, Multack R, Krill AE, Rosenberg IH: Dark adaptation testing for diagnosis of subclinical vitamin A deficiency and evaluation of therapy. **Lancet** 1161-1164, November 24, 1973.

- Franklin JL, Asquith P, Rosenberg IH: The occurrence of cystic fibrosis and celiac sprue within a single sibship. **Am J Dig Dis** 19(2):149-155, 1974.
- Rosenberg IH, Beisel WR, Gordon JE, Katz M, Keusch GT, Luckey TD, Mata LJK: Infant and child enteritis-malabsorption-malnutrition: The potential of limited studies with low-dose antibiotic feeding. **Am J Clin Nutr** 27:3, 304-309, 1974.
- Saini PK, Rosenberg IH: Isolation of pteroyl-oligoglutamyl endopeptidase from chicken intestine with the aid of affinity chromatography. **J Biol Chem** 249(16):5131-5134, 1974.
- Rosenberg IH, Neumann H: Evidence for a multi-step mechanism in the enzymatic hydrolysis of polyglutamyl folate by chicken intestine. **J Biol Chem** 249(16):5126-5130, 1974.
- Neumann H, Moran EM, Russell RM, Rosenberg IH: A distinct alkaline phosphatase found in the serum of patients with lymphatic leukemia and infectious mononucleosis. **Science** 186:151-153, 1974
- Godwin HS, Rosenberg IH: Quantitative studies of the intestinal absorption of [3H]pteroylmonoglutamate and [3]pteroylheptaglutamate in man. **Gastroenterology** 69:363-373, 1975.
- Neumann H, Kezdy F, Hsu J, Rosenberg IH: The reaction of tris (hydroxymethyl) amino-methane with calf intestinal alkaline phosphatase. **Biochim Biophys Acta** 391:392 .
- Hachey DL, Palladino L, Blair J, Rosenberg IH: Synthesis of pteroylglutamic acid catalyzed exchange with deuterium oxide. **Proc of the 2nd International Conference on Stable Isotopes**, October 20-23, 579-587, 1975.
- Rosenberg IH: Folate absorption and malabsorption. **N Engl J Med** 293:1301-1308, 1975.
- Solomons NW, Rosenberg IH, Sandstead HH: Zinc nutrition in celiac sprue. **Am J Clin Nutr** 29:372-375, 1976.
- Rosenberg IH, Solomons NW, Levin DM: Interaction of infection and nutrition: some practical concerns. **Ecol Food Nutr** 4:203-206, 1976.
- Levin B, Karlin DA, Schulman S, Thorp GW, Kirsner JB, Rosenberg IH: The gastrointestinal oncology clinic: A multidisciplinary approach to cancer diagnosis and management at a university medical center. **The Surgical Clinics of North America** 56:233, 1976.
- Layden TL, Rosenberg J, Nemchausky B, Elson C, Rosenberg IH: Reversal of growth arrest in adolescents with Crohn's disease following parenteral alimentation. **Gastroenterology** 70:1017-1021, 1976.
- Wagonfeld JB, Nemchausky BA, Bolt M, Vander Horst J, Boyer JL, Rosenberg IH: Comparison of vitamin D and 25-hydroxy vitamin D in the therapy of primary biliary cirrhosis. **Lancet** August 21, 1976, P. 391-394.

- Rosenberg IH: Absorption and malabsorption of folates. **Clinics in Haematology** 5:589-618, 1976.
- Solomons NW, Layden TJ, Rosenberg IH, Vo-Khactu K, Sandstead HH: Plasma trace metals during total parenteral alimentation. **Gastroenterology** 70:1022-1025, 1976.
- Rudo ND, Rosenberg IH, Wissler RW: The effect of partial starvation and glucagon treatment on intestinal villus morphology and cell migration. **Proc Soc Exper Biol and Med** 152:277-280, 1976.
- Elson CO, Reilly RW, Rosenberg IH: Small intestinal injury in the graft vs host reaction: An innocent bystander phenomenon. **Gastroenterology** 72:886-889, 1977.
- Solomons NW, Rosenberg IH, Sandstead HH, Vo-Khactu, KP: Zinc deficiency in Crohn's disease. **Digestion** 16:87-95, 1977.
- Rosenberg IH, Solomons NW, Schneider R: Malabsorption associated with diarrhea and intestinal infections. **Am J Clin Nutr** 30:1248-1253, 1977.
- Selhub J, Dhar GH, Rosenberg IH: Inhibition of folate enzymes by sulfasalazine. **J Clin Invest** 61:221-224, 1978.
- Kirschner B, Voinchet O, Rosenberg IH: Growth retardation in inflammatory bowel disease. **Gastroenterology** 75:504-511, 1978.
- Selhub J, Rosenberg IH: Demonstration of high-affinity folate binding activity in the brush border membranes of rat kidney. **Proc Nat Acad Sci** 75:3090-3093, 1978.
- Solomons NW, Viteri F, Rosenberg IH: Development of an interval sampling hydrogen (H₂) breath test for carbohydrate malabsorption in children: Evidence for a circadian pattern of breath H₂ concentration. **Ped Res** 12:816-823, 1978.
- Sitrin M, Meredith SC, Rosenberg IH: Vitamin D deficiency and bone disease in gastrointestinal disorders. **Arch Intern Med** 138:886-888, 1978.
- Baker AL, Rosenberg IH: Refractory sprue: Recovery after removal of nongluten dietary proteins. **Ann Int Med** 89:505-508, 1978.
- Rosenberg IH, Solomons NW: The potential for antidiarrheal and nutrient-sparing effects of oral antibiotic use in children: A position paper. **Am J Clin Nutr** 31:2202-2207, 1978.
- Rosenberg IH: Direct nutrition interventions. **Amer J Clin Nutr** 31:2083-2088, 1978.
- Russell RM, Dhar GJ, Dutta SK, Rosenberg IH: Influence of intraluminal pH on folate absorption: Studies in control subjects and in patients with pancreatic insufficiency. **J Lab Clin Med** 93(3):428-436, 1979.

- Rosenberg IH: Nutritional support in inflammatory bowel disease. **Gastroenterology** (editorial) 77(2):393-396, 1979.
- Selhub J, Gay AC, Rosenberg IH: Effect of anions on folate binding by isolated brush border membranes from rat kidney. **Biochim Biophys Acta** 557:372-384, 1979.
- Reed JS, Meredith SC, Nemchausky BA, Rosenberg IH, Boyer JL: Bone disease in primary biliary cirrhosis: Reversal of osteomalacia with oral 25-hydroxyvitamin D. **Gastroenterology** 78:512-517, 1980.
- Sitrin MD, Rosenberg IH, Chawla K, et al: Nutritional and metabolic complications in a patient with Crohn's disease and ileal resection. **Gastroenterology** 78:1069-1079, 1980.
- Elson CO, Layden TJ, Nemchausky BA, Rosenberg JL, Rosenberg IH: An evaluation of total parenteral nutrition in the management of inflammatory bowel disease. **Dig Dis Sci** 25(1):42-48, 1980
- Meredith SC, Rosenberg IH: Gastrointestinal-hepatic disorders and osteomalacia. **Clinics in Endo& Metab** 9(1):131-150, 1980.
- Russell RM, Dutta SK, Oaks EV, Rosenberg IH, Chang H: Impairment of folic acid absorption by oral pancreatic extracts. **Dig Dis Sci** 25(5):369-373, 1980.
- Bayless TM, Rosenberg IH, Walker WA: When you suspect lactose intolerance. **Patient Care** 14(13):136-160, 1980.
- Bolt MJG, Sitrin M, Favus M, Rosenberg IH: Hepatic vitamin D25-hydroxylase:Inhibition by bile duct ligation or bile salts. **Hepatology** 1(5):436-440, 1981.
- Baum CL, Selhub J, Rosenberg IH: Hepatic vitamin D25-hydroxylase:Inhibition by bile duct ligation or bile salts. **Hepatology** 1(5):436-440, 1981.
- Kirschner B, Klich J, Kaslman S, DeFavaro M, Rosenberg IH: Reversal of growth retardation in Crohn's disease with therapy emphasizing oral nutritional restitution. **Gastroenterology** 80:10-15, 1981.
- Selhub J, Rosenberg IH: Folate transport in isolated brush border membrane vesicles from rat intestine. **J Biol Chem** 256:4489-4493, 1981.
- Sitrin MD, Rosenberg IH: Screening for fat malabsorption. **Ann Int Med** 95(6):776-777, 1981.
- Akiyama T, Selhub J, Rosenberg IH: FMN phosphates and FAD pyrophosphatase in rat intestinal brush border. **J Nutr** 112(2):263-268, 1982.
- Rosenberg IH, Bowman BB: Intestinal physiology and parasitic infection. **Rev Infect Dis** 4:763-767, 1982.

- Sitrin MD, Pollack KL, Bolt MJG, Rosenberg IH: Comparison of vitamin D and 25-hydroxy D absorption in the rat. **Am J Physiol** 5:G326-G332, 1982.
- Rosenberg IH, Solomons NW: Biological availability of minerals and trace elements: A nutritional overview. **Am J Clin Nutr** 35:781-782, 1982.
- Baum CL, Selhub J, Rosenberg IH: The hydrolysis of nicotinamide adenine dinucleotide (NAD) by brush border membranes of rat intestine. **Biochem J** 204:203-207, 1982.
- Bowman BB, Rosenberg IH: Assessment of the nutritional status of the elderly. **Am J Clin Nutr** 35:1142-1151, 1982.
- Driscoll JR, Jr., Meredith SC, Sitrin M, Wagonfeld JB, Rosenberg IH: Vitamin D deficiency and bone disease in patients with Crohn's disease. **Gastroenterology** 83:1252-1258, 1982.
- Rosenberg IH: Starch blockers: Still no calorie-free lunch. **New Engl J Med** 307:1444-1445, 1982.
- Rosenberg IH, Bowman BB, et al: Folate nutrition in the elderly. **Am J Clin Nutr** 36:1060-1066, 1982.
- Jensen WE, O'Donnell RT, Rosenberg IH: Gaseous contaminants in sterilized evacuated blood-collection tubes. **Clin Chem** (editorial)28:1406, 1982.
- Matsueda K, Rosenberg IH: Malabsorption with idiopathic hypoparathyroidism responding to treatment for coincident celiac sprue. **Dig Dis and Sci** 27(3):269-273, 1982.
- Bengoa JM, Rosenberg IH: Parenteral nutrition therapy in gastrointestinal disease. **Adv Intern Med** 28:363-385, 1983.
- Selhub J, Dhar GJ, Rosenberg IH: Gastrointestinal absorption of folates and antifolates. **Pharmacology & Therapeutics** 20:397-418, 1983.
- Bowman BB, Rosenberg IH: Digestive function and aging. **Human Nutrition: Clinical Nutrition** 37C:75-89, 1983.
- Bengoa JM, Sitrin MD, Wood RJ, Rosenberg IH: Amino acid induced hypercalciuria in patients on total parental nutrition **Am J Clin Nutr** 38:264-269, 1983.
- Rush DS, Jordan JA, Zarins CK, Rosenberg IH: Noninvasive detection of experimental intestinal ischemia. **J Surg Res** 34:315-318, 1983.
- Meredith SC, Bolt MJG, Rosenberg IH: The supramolecular structure of vitamin D3 in water. **J Colloid Interface Sci** 99:244-255, 1984.

- Kelly SE, Chawla-Singh K, Rosenberg IH, Sellin JH, Yasillo: Effect of meal composition on calcium absorption: Enhancing effect of carbohydrate polymers. **Gastroenterology** 87:596-600, 1984.
- Bengoa JM, Bolt MJG, Rosenberg IH: Hepatic vitamin D 25-hydroxylase inhibition by cimetidine and isoniazid. **J Lab Clin Med** 104(4):546-552, 1984.
- Elsenhans B, Ahmad O, Rosenberg IH: Isolation and characterization of pteroylpolyglutamate hydrolase from rat intestinal mucosa. **J Bio Chem** 259(10):6364-6368, 1984.
- Bengoa JM, Sitrin MD, Meredith S, Kelly S, Shah N, Baker A, Rosenberg IH: Intestinal calcium absorption and vitamin D status in chronic cholestatic liver disease. **Hepatology** Vol. IV. 2:261-265, 1984.
- Elsenhans B, Rosenberg IH: The influence of metal substitution on vitamin B12 binding to human intrinsic factor and transcobalamin I and II. **Biochem** 23:805-808, 1984.
- Sellin JH, Meredith SC, Kelly S, Schnerr H, Rosenberg IH: Prospective evaluation of metabolic bone disease following jejunio-ileal bypass. **Gastroenterology** 87:123-129, 1984.
- Selhub J, Powell G, Rosenberg IH: Intestinal transport of 5-methyltetrahydrofolate. **Am J Physiol** 246:G515-G520, 1984.
- Rosenberg IH: When is vitamin D-responsive bone disease not osteomalacia? (Editorial) **Hepatology** 4(1):157-158, 1984.
- Wood RJ, Sitrin MD, Rosenberg IH: Calciuria in total parenteral nutrition: Effects of amino acid and glucose in rats. **Am J Clin Nutr** 40:101-106, 1984.
- Zheng JJ, Rosenberg IH: Lactose malabsorption in healthy Chinese adults. **Ecology of Food and Nutr** 15:1-6, 1984.
- Rose RC, Hoyumpa Jr. AM, Allen RH, Middleton III AM, Henderson LM, Rosenberg IH: Transport and metabolism of water-soluble vitamins in intestine and kidney. **Fed Proc** 43(9):2423-2429, 1984.
- Rosenberg IH, Olson C: Recommended Dietary Allowances (RDA) for folacin: An example of interpretive nutrition. **Alabama J Med Sci** 21(4):394-396, 1984.
- Bengoa JM, Hanauer SB, Sitrin MD, Baker A, Rosenberg IH: Pattern and prognosis of liver function test abnormalities during parenteral nutrition in inflammatory bowel disease. **Hepatology** 5(1):79-84, 1985.
- Wood RJ, Bengoa JM, Rosenberg IH: Urinary C-peptide measurements in patients receiving continuous and cyclic total parenteral nutrition. **J Lab Clin Med** 105(2):259-264, 1985.

- Wood RJ, Bengoa JM, Sitrin MD, Rosenberg IH: Calciuretic effect of cyclic vs continuous total parenteral nutrition. **Am J Clin Nutr** 41:614-619, 1985.
- Zheng JJ, Wood RJ, Rosenberg IH: Enhancement of calcium absorption in rats by coadministration of glucose polymer. **Am J Clin Nutr** 41:243-245, 1985.
- Wood RJ, Bengoa JM, Sitrin MD, Rosenberg IH: Enhancement of calcium absorption in rats by coadministration of glucose polymer. **Am J Clin Nutr** 41:614-619, 1985.
- Rosenberg IH, Zimmerman J, Selhub J. Folate transport. **Chimioterapia** 4:354-358, 1985.
- Wood RJ, Sitrin MD, Cusson GJ, Rosenberg IH: Reduction of TPN induced urinary calcium loss by increasing the phosphorus in the TPN prescription. **J Parent Enteral Nutr** 10(2):188-190, 1986.
- Bei L, Wood RJ, Rosenberg IH: Glucose polymer increases jejunal calcium, magnesium and zinc absorption in humans. **Am J Clin Nutr** 44:244-247, 1986.
- Zimmerman J, Selhub J, Rosenberg IH: The role of sodium ion in the transport of folic acid in the small intestine. **Am J Physiol** 251:G218-G-222, 1986.
- Zimmerman J, Selhub J, Rosenberg IH: Trimethoprim and pyrimethamine, dihydrofolate reductase inhibitors are competitive inhibitors of folate absorption. **Am J Clin Nutr**, 46:518-522, 1986.
- Bowman BB, Selhub J, Rosenberg IH: Competitive inhibition of folic acid absorption in rat jejunum by triamterene. **J Lab Clin Med** 108:171-276, 1986.
- Baker AL, Rosenberg IH: Hepatic complications of total parenteral nutrition. **Am J of Med** 82:489-497, 1986.
- Wood RJ, Gerhardt AL, Rosenberg IH: Effects of glucose and glucose polymers on calcium absorption in healthy subjects. **Am J Clin Nutr** 46, 699-701, 1987.
- Bowman BB, Rosenberg IH: Biotin absorption by distal rat intestine. **J Nutr** 117:2121-2126, 1987.
- Knowles J Wood RJ, Rosenberg IH: Response of fractional calcium absorption in women to various coadministered oral glucose doses. **Am J Clin Nutr** 48:1471-1474, 1988.
- Wood RJ, Sitrin MD, Rosenberg IH: The effect of phosphorus on endogenous calcium losses during total parenteral nutrition. **Am J Clin Nutr** 48:632-636, 1988.
- Greenberg GR, Fleming CR, Jeejeebhoy KN, Rosenberg IH, Sales, D, Tremaine WJ: Controlled trial of bowel rest and nutritional support in the management of Crohn's disease. **GUT** 29(10):1309-1315, 1988.

- Carroll KM, Wood RJ, Chang E, Rosenberg IH: Glucose enhancement of transcellular calcium transport in the intestine. **Am J Physiol** (Gastro. Liver Physiol.) Vol 18, 3:G334-G345, 1988.
- Darcy-Vrillon B, Selhub J, Rosenberg IH: Analysis of sequential events in intestinal absorption of folypoly-glutamate. **Am J Physiol** (Gastro. Liver Physiol.) Vol 18, 3:G361-G366, 1988.
- Bolt MJG, Meredith SC, Rosenberg IH: Suppression of rat hepatic vitamin D-25-hydroxylase by vitamin D, but not by 25-hydroxy-or 1,25 dihydroxy metabolites. **Calc Tiss Int** 42:273-278, 1988.
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- Bolt MJG, Holick SA, Holick, MF, MacLaughlin J, Rosenberg IH: 24-dehydrovitamin D is a potent inhibitor of rat liver microsomal vitamin D-25-hydroxylase. **Arch of Biochem and Biophysics** Vol. 266,532-538, 1988.
- Rosenberg IH: Scientific Basis for Changing the RDAs for the Elderly. **Nutrition Today. Nutrition and Health Symposium**, Univ. of Texas, Sept./Oct. 36-37, 1988.
- Bowman BB, McCormick DB, Rosenberg IH: Epithelial transport of water-soluble vitamins. **Ann Rev of Nutr** 9:187-299, 1989.
- Zimmerman J, Gilula Z, Selhub J, Rosenberg IH: Kinetic analysis of luminal pH on transport of folic acid in the small intestine. **Int Journ for Vit & Nutr Res** 59:151-156, 1989.
- Holt, PR, Rosenberg IH, Russell RM: Causes and consequences of hypochlorhydria in the elderly. **Dig Dis and Sci** 34:6, 933-937, 1989.
- Rosenberg IH: Summary comments from proceedings of a conference. Epidemiologic and methodologic problems in determining nutritional status of older persons. Albuquerque, NM, Oct. 1988. **Am J Clin Nutr** 50:1231-1233, 1989.
- Zheng JJ, Rosenberg IH: What is the nutritional status of the elderly? **Geriatrics** 44(6)57-64, 1989.
- Rosenberg IH, Mason JB: Folate, dysplasia, and Cancer. **Gastroenterology** 97:502-505, 1989.
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