

**CURRICULUM VITAE**  
**The Johns Hopkins University School of Medicine**

Revised May 2005

**DEMOGRAPHIC INFORMATION**

**Current Appointments:**

Professor of Medicine  
The Johns Hopkins University  
School of Medicine  
Professor of International Health  
The Johns Hopkins University  
School of Hygiene & Public Health

**Business Address:**

Department of Medicine  
Division of Geriatric Medicine/Gerontology  
Johns Hopkins Bayview Medical Center  
Johns Hopkins Geriatric Center  
5505 Hopkins Bayview Circle  
Baltimore, Maryland, 21224  
Phone: (410)-550-0782 or 0552  
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**Home Address:**

1300 Hollins Lane  
Baltimore, Maryland, 21209  
(410) 823-6623

**Date of Birth:**

January 3, 1932, Providence, Rhode Island, USA

**Marital Status:**

Married Jane Cheney Woodruff  
Barrington, Rhode Island, 1954, died 1964  
Married Quaneta Ahmed,  
Dhaka, Bangladesh, 1965

**Children:**

William Beckley, 1956  
Kate, 1958  
Thomas Clark, 1959  
Elisabeth Bates, 1961  
Zarin Farah Naz, 1967

**Education:**

<b><u>Institution</u></b>	<b><u>Years</u></b>	<b><u>Diploma/degree</u></b>
Moses Brown School, Providence, Rhode Island	1945-1949	High School Diploma, Cum Laude
Amherst College, Amherst, Massachusetts	1949-1953	B.A., Magna Cum Laude
Harvard Medical School Boston, Massachusetts	1953-1957	M.D., Cum Laude

**Post Graduate Training:**

Washington & Lee University	1954 (summer)	Dow Fellowship from Amherst College
College of Physicians & Surgeons Columbia University Presbyterian Hospital, NYC.	1957-1959	Medical/Surgical Internship Assistant Residency in Medicine
Senior Research Fellowship National Cancer Institute	1959-1961	Mary Imogene Bassett Hospital Cooperstown NY
Senior Medical Residency Peter Bent Brigham Hospital	1961-1962	Teaching Fellow Harvard University

**PROFESSIONAL EXPERIENCE**

<b><u>Primary Positions</u></b>	<b><u>Dates</u></b>	<b><u>Institutions</u></b>
U.S. Public Health Service Highest rank attained, Senior Surgeon	1962-1967	National Heart Institute of the National Institutes of Health
Research Associate	1962-1964	Cholera Research Laboratory Dhaka, Bangladesh
Chief Clinical Research	1964-1965	Cholera Research Laboratory Dhaka, Bangladesh
Staff Associate	1965-1967	National Heart Institute Laboratory of Metabolism
Assistant Chief of Medicine	1967-1970	Baltimore City Hospitals
Assistant Professor of Medicine	1967-1969	Johns Hopkins University Baltimore, Maryland

Associate Professor of Medicine & Microbiology	1969-1983	Johns Hopkins University
Professor of Medicine	1983	Johns Hopkins University
Professor of Microbiology	1983	Johns Hopkins University
Professor of International Health	1985	Johns Hopkins University
Chief, Infectious Diseases Division	1970-1976	Department of Medicine Johns Hopkins University
Director, Robert Wood Johnson Foundation Clinical Scholars Program	1974-1977	Johns Hopkins University
Scientific Director	1977-1979	Cholera Research Laboratory Dhaka, Bangladesh
Director	1979-1985	International Centre for Diarrhoeal Disease Research, Bangladesh
At present, member of Division of Geriatric Medicine and Gerontology Center	1985-	Johns Hopkins University at Johns Hopkins Bayview Medical Center

**Other Positions Held**

Associate Professor of Emergency Medicine	1974-1977	Johns Hopkins University
Associate Professor Health Care Organization	1974-1977	Johns Hopkins University School of Hygiene & Public Health
Hospital Epidemiologist	1974-1977	Johns Hopkins Hospital

**Consultant/Expert Positions Held**

Consultant Infectious Diseases	1972-1977	Perry Point Veterans Admin.
Member, Bacteriology & Mycology Study Section	1972-1976	National Institutes of Health
Chairman, Bact. & Mycol. Study Section	1974-1976	National Institutes of Health
Member, Ad hoc Study Group on Enteric Diseases	1975-1977	Walter Reed Army Institute of Research

President	1971-1984	Bangladesh Information Center Washington, DC
Consultant	1971-1972	International Rescue Committee New York, New York
Advisory Council	1972	Bangladesh Foundation, Chicago
Member	1971-1977	State of Maryland Governor's Commission on Physical Fitness & Marathon Commissions
Consultant, short term	1966,1970 1974,1976	Cholera Research Laboratory
Associate Editor	1975-1978	Infection and Immunity
Series Editor	1976-present	Topics in Infectious Disease, Plenum Medical Book Company New York, New York
Editor-in-Chief Founding Editor Nutrition	1983-1985	Journal of Diarrhoeal Disease Research/ Journal of Health Population &
Associate Editor International Editorial Advisory Board	1985 – present 2000 – present	
International Advisory Board	1998-	The Kuwait Medical Journal
Executive Vice President Founding Trustee	1985-1988	International Child Health Foundation Columbia, Maryland
President	1988-1994	International Child Health Foundation
Chairman, Board of Trustees	1994-1995	Child Health Foundation Columbia, Maryland
President Chairman, ICDDR,B Endowment Fund Committee	1997-1998 1995-present	
Trustee	1999-present	
Consultant	1986-1992	Mead Johnson Nutritionals
Consultant	1986-1992	Procter & Gamble Company
Consultant Scientific Advisor	1994-present	Cera Products, Inc.

## RESEARCH ACTIVITIES

### Publications

#### Original Scientific Papers:

1. Shillington JK, Denning GS, **Greenough WB III**, Hill T Jr, and Ramsay OB. A new method for the resolution of racemic carbonyl compounds; the synthesis and use of 4-(4-carboxy-phenyl) semicarbazide. *J Amer Chem Soc.* 80:6551-6553 (1958).
2. Thomas ED, Lochte HB Jr, Wales M, and **Greenough WB III**. In vitro synthesis of fetal and adult hemoglobin by fetal hematopoietic tissues. *Nature.* 185:396-397 (1960).
3. Thomas ED, Herman EC Jr, **Greenough WB III**, Hager EB, Cannon JH, Sahler OD and Ferrebee JW. Irradiation and marrow infusion in leukemia. *Arch Intern Med.* 107:829-845 (1961).
4. **Greenough WB III**, Thomas ED and Peters T. An intracellular protein intermediate for hemoglobin synthesis. *J Clin Invest.* 41:1116-1124 (1962).
5. **Greenough WB III**, Sonnenblick E, Januszewicz V and Laragh JH. Correction of hyperaldosteronism and massive fluid retention of unknown cause by sympathomimetic agents. *Amer J Med.* 33:603-614 (1962).
6. **Greenough WB III**, Gordon RS Jr, Rosenberg IH, Davies BI and Benenson AS. Tetracycline in the treatment of cholera. *Lancet.* i:355-357 (1964).
7. Benenson AS, Islam MR and **Greenough WB III**. Rapid identification of Vibrio cholerae by darkfield microscopy. *Bull Wld Hlth Org.* 30:827-831 (1964).
8. McIntyre OR, Feeley JC, **Greenough WB III**, Benenson AS, Hasan SI and Saad A. Diarrhea caused by non-cholera vibrios. *Amer J Trop Med and Hyg.* 14:412-413 (1965).
9. Lindenbaum J, **Greenough WB III**, Benenson AS, Oseasohn RO, Risvi S and Saad A. Non-vibrio cholera. *Lancet.* i:1081-1083 (1965).
10. Gordon RS Jr, **Greenough WB III** and Lindenbaum J. The management of epidemic cholera. *Military Med.* 6:475- (1965).
11. Cole JR and **Greenough WB III**. Patent bile ducts at the time of colourless "rice-water" stool in cholera. *Lancet.* ii:972-973 (1965).
12. **Greenough WB III**. Pancreatic and Hepatic hypersecretion in cholera. *Lancet.* ii:991-994 (1965).
13. Ally KM and **Greenough WB III**. Electrocardiographic changes during shock due to cholera and other causes. *East Pakistan Med J.* 10:1-8 (1966).
14. Lindenbaum J, Akbar RL, Gordon RS Jr, **Greenough WB III**, Hirschhorn N and Islam MR. Cholera in children. *Lancet.* i:1066-1068 (1966).

15. Hirschhorn N, **Greenough WB III**, Lindenbaum J and Alam SN. Hypoglycemia in children with acute diarrhea. *Lancet*. ii:128-133 (1966).
16. Rosenberg IH, **Greenough WB III**, Lindenbaum J and Gordon RS Jr. Nutritional studies in cholera: the influence of nutritional status on susceptibility to infection. *Amer J Clin Nutr*. 19:384-389 (1966).
17. Harvey RM, Enson Y, Lewis ML, **Greenough WB III**, Ally KM and Panno RA. Hemodynamic effects of dehydration and metabolic acidosis in Asiatic cholera. *Trans Assoc Amer Physiol*. 79:177-186 (1968).
18. Lindenbaum J, **Greenough WB III** and Islam MR. Antibiotic therapy of Cholera. *Bull Wld Hlth Org*. 36:871-883 (1967).
19. Lindenbaum J, **Greenough WB III** and Islam MR. Antibiotic therapy of cholera in children. *Bull Wld Hlth Org*. 37: 529-538 (1967).
20. **Greenough WB III**, Crespin SR, and Steinberg D. Hypoglycemia and hyperinsulinemia in response to raised free fatty acid levels. *Lancet*. ii:1334-1336 (1967).
21. Harvey RM, Enson Y, Lewis ML, **Greenough WB III**, Ally KM and Panno RA. Hemodynamic studies in cholera: effects of hypovolemia and acidosis. *Circulation*. 37:709-728 (1968).
22. Enson Y, Harvey RM, Lewis ML, **Greenough WB III**, Ally KM and Panno RA. Hemodynamic effects of metabolic acidosis in cholera: implications for fluid repletion in severe burns. *Ann NY Acad Sci*. 150:577-583 (1968).
23. Judson G, Jones A, Kellogg R, Buckner D, Eisel R, Perry S and **Greenough WB III**. Closed continuous-flow centrifuge. *Nature* 217:816-818 (1968).
24. Carpenter CCJ and **Greenough WB III**. Response of canine duodenum to intraluminal challenge with cholera exotoxin. *J Clin Invest*. 47:2600-2607 (1968).
25. **Greenough WB III** and Buckner D. Removal of microfilariae from unanaesthetized dogs by continuous-flow centrifugation. *Trans Roy Soc. Trop Med and Hyg*. 63:259-262 (1969).
26. Carpenter CCJ, **Greenough WB III** and Sack RB. The relationship of superior mesenteric artery blood flow to gut electrolyte loss in experimental cholera. *J Infect Dis*. 119:182-193 (1969).
27. Zieve PD and **Greenough WB III**. Adenyl cyclase in human platelets: activity and responsiveness. *Biochem Biophys Res Comm*. 35:462-465 (1969).
28. **Greenough WB III**, Crespin SR and Steinberg D. Infusion of long-chain fatty acid anions by continuous-flow centrifugation. *J Clin Invest*. 48:1923-1933 (1969).
29. Crespin SR, **Greenough WB III** and Steinberg D. Stimulation of insulin secretion by infusion of free fatty acids. *J Clin Invest*. 48:1934-1943 (1969).
30. Carpenter CCJ, Curlin GT and **Greenough WB III**. Response of canine Thiry-Vella jejunal loops to cholera exotoxin and its modification by ethacrynic acid. *J Infect Dis*. 120:332-338 (1969).

31. Al-Awqati Q, Garcia-Bunuel R, Field M and **Greenough WB III**. The influence of structural abnormality on ion transport in rabbit ileum. *Proc Soc. Exptl Biol Med.* 135:598-604 (1970).
32. **Greenough WB III**, Pierce NF and Vaughan M. Titration of cholera enterotoxin and antitoxin in isolated fat cells. *J Infect Dis.* 121:s111-113 (1970).
33. Vaughan M, Pierce NF and **Greenough WB III**. Stimulation of glycerol production in fat cells by cholera toxin. *Nature.* 226:658-659 (1970).
34. Pierce NF, Carpenter CCJ, Elliott HL and **Greenough WB III**. Effects of prostaglandins, theophylline, and cholera exotoxin upon transmucosal water and electrolyte movement in the canine jejunum. *Gastroenterology.* 60:22-32 (1971).
35. Hirschhorn N and **Greenough WB III**. Cholera. *Scientific American.* 225:1521 (1971).
36. Van heyningen WE, Carpenter CCJ, Pierce NF and **Greenough WB III**. Deactivation of cholera toxin by ganglioside. *J Infect Dis.* 124:415-418 (1971).
37. Zieve PD, Pierce NF and **Greenough WB III**. Stimulation of glycogenolysis by purified cholera enterotoxin in disrupted cells. *Johns Hopkins Med J.* 129:299-303 (1971).
38. Al-Awqati Q, Wallace CK and **Greenough WB III**. Stimulation of intestinal secretion in vitro by culture filtrates of E. coli. *J Infect Dis.* 125:300-303 (1972).
39. Field M, Fromm E, Al-Awqati Q and **Greenough WB III**. Effect of cholera enterotoxin on ion transport across ileal mucosa. *J Clin Invest.* 51:796-804 (1972).
40. Al-Awqati Q and **Greenough WB III**. Prostaglandins inhibit intestinal sodium transport. *Nature (New Biology).* 238:26-27 (1972).
41. Burton JR, Zachary JB, Bessin R, Rathbun HK, **Greenough WB III**, Sterioff S, Wright JR, Slavin RE and Williams GM. Aspergillosis in four renal transplant recipients: diagnosis and effective treatment with Amphotericin B. *Ann Intern Med.* 77:383-388 (1972).
42. Crespin SR, **Greenough WB III** and Steinberg D. Effect of sodium linoleate infusion on plasma free fatty acids, glucose, insulin and ketones in unanesthetized dogs. *Diabetes.* 21:1179-1184 (1972).
43. Torres J, Rathbun HK and **Greenough WB III**. Pneumococcal arthritis: report of a case and review of the literature. *Johns Hopkins Med J.* 132:234-241 (1973).
44. Lichtenstein LM, Henney CS, Bourne HR and **Greenough WB III**. Effects of cholera toxin on in vitro models of immediate and delayed hypersensitivity. *J Clin Invest.* 52:691-697 (1973).
45. Curlin GT, Mosley WH and **Greenough WB III**. Cholera antitoxin titrations: a comparative study of fat cell, ileal loop and rabbit skin assays. *J Infect Dis.* 127:294-298 (1973).
46. Al-Awqati Q, Cameron JI and **Greenough WB III**. Electrolyte transport in human ileum: effect of purified cholera exotoxin. *Amer J Physiol.* 224:818-823 (1973).

47. Crespin SR, **Greenough WB III** and Steinberg D. Stimulation of insulin secretion by long-chain fatty acids: a direct pancreatic effect. *J Clin Invest.* 52:1979-1973 (1973).
48. Spengler RF, Melvin VB, Leitman PS and **Greenough WB III**. Methicillin-associated fever: a double-blind comparison of methicillin from two manufacturers. *Johns Hopkins Med J.* 134:28-33 (1974).
49. Hewlett EL, Guerrant RL, Evans DJ and **Greenough WB III**. Adenyl cyclase in rat fat cells: stimulation by toxins of *Vibrio cholerae* and *Escherichia coli*. *Nature.* 249:371-373 (1974).
50. Bolen JL, Zamiska SA and **Greenough WB III**. Clinical features in enteritis due to *Vibrio parahemolyticus*. *Amer J Med.* 57:638-641 (1974).
51. Al-Awqati Q, Field M and **Greenough WB III**. Reversal of cyclic AMP mediated intestinal secretion by ethacrynic acid. *J Clin Invest.* 53:687-692 (1974).
52. Rahaman MM, Alam AKMJ, Islam MR and **Greenough WB III**, and Lindenbaum J. Shiga bacillus dysentery associated with marked leukocytosis and erythrocyte fragmentation. *Johns Hopkins Med J.* 136:65-70 (1975).
53. Ganguly U and **Greenough WB III**. Adenosine 3',5'-cyclic monophosphate in *Vibrio cholerae*. *Infect and Immun.* 11:343-349 (1975).
54. Ganguly U and **Greenough WB III**. Stimulation of epinephrine-sensitive fat cell adenylate cyclase by cytosol: effect of cholera toxin. *Proc Nat Acad Sci. (USA)* 72:3561-3564 (1975).
55. Gianella RA, Gots RE, Charney AN, **Greenough WB III** and Formal SB. Pathogenesis of salmonella-mediated intestinal fluid secretion activation of adenylate cyclase and inhibition by indomethacin. *Gastroenterology.* 69:1238-1245 (1975).
56. Katz MS and **Greenough WB III**. Selective inhibition of cholera toxin and catecholamine-stimulated lipolysis by blocking agents. *Infect and Immun.* 12:964-968 (1975).
57. **Greenough WB III**, Hirschhorn N, Gordon RS Jr, Lindenbaum J and Ally KM. Pulmonary edema associated with acidosis in patients with cholera. *Trop and Geogr Med.* 28:86-90 (1976).
58. Gerry JL and **Greenough WB III**. Diphtheroid endocarditis. Report of nine cases and review of the literature. *Johns Hopkins Med J.* 139:16-18 (1976).
59. Nalin DR, Sultana B, Sahunja R, Islam AK, Rahim MA, Islam M, Costa BS, Mawla N and **Greenough WB III**. Survival of a patient with intestinal anthrax. *Amer J Med.* 62:130-132 (1977).
60. Spengler RF, **Greenough WB III** and Stolley PD. A descriptive study of nosocomial bacteremias at the Johns Hopkins Hospital, 1968-1974. *Johns Hopkins Med J.* 142:77-84 (1978).
61. Greene BM, Otto GF and **Greenough WB III**. Circulating non-human microfilaria in a patient with systemic lupus erythematosus. *Amer J Trop Med Hyg.* 27:905-909 (1978).
62. Ganguly U and **Greenough WB III**. Effect of fluoride and 5' guanylyl imidophosphate on cholera

- toxin-treated cells. *Indian J Exper Biol.* 16:1271-1273 (1978).
63. Spengler RF and **Greenough WB III**. Hospital costs and mortality attributed to nosocomial bacteremias. *J AMA.* 240:2455-2458 (1978).
  64. Rabbani GH, **Greenough WB III**, Holmgren J and Lonroth I. Chlorpromazine reduces fluid loss in cholera. *Lancet.* i:410-412 (1979).
  65. Islam MR, **Greenough WB III**, Rahaman MM, Chowdhury AKA and Sack DA. Labon-gur (common salt and brown sugar) oral rehydration solution in the treatment of diarrhoea in adults. *J Trop Med and Hyg.* 83:41-45 (1980).
  66. Stoll BJ, **Greenough WB III**, Huq I, Fredman P, Holmgren J, Bardhan PK, and Svennerholm. Binding of intraluminal toxin in cholera: trial of GM1 ganglioside charcoal. *Lancet.* ii:888-891 (1980).
  67. Ganguly U and **Greenough WB III**. Cholera toxin augmented epinephrine response to adenylate cyclase not decrease after prolonged in vitro incubation of isolated fat cells. *Indian J Exptl Biol.* 18:308-309 (1980).
  68. Molla AM, Hossain M, Sarker SA, Molla A and **Greenough WB III**. Rice-powder electrolyte solution as oral therapy in diarrhoea due to Vibrio cholerae and Escherichia coli. *Lancet.* i:1317-1319 (1982).
  69. Rabbani GH, **Greenough WB III**, Holmgren J and Kirkwood B. Controlled trial of chlorpromazine as antisecretory agent in patients with cholera hydrated intravenously. *Brit Med J.* 284:1361-1364 (1982).
  70. Shahid NS, Alam AN, Haider K, Henning C, Gothefors L and **Greenough WB III**. Rapid technique for detection of pneumococcal pneumonia. *Bangladesh Med Res Counc Bull.* 8:47-51 (1982).
  71. Clemens JD, Ahmed M, Butler TC, **Greenough WB III**, Sack DA and Stanton BF. Rotavirus diarrhoea: an expanding clinical spectrum. *J Trop Med Hyg.* 83:117-122 (1983).
  72. Glass RI, Holmgren J, Khan MR, Hossain KMB, Huq MI and **Greenough WB III**. A randomized, controlled field trial of the toxin-blocking effects of B subunit in family members of patients with cholera. *J Infect Dis.* 149:495-500 (1984).
  73. Molla AM, Ahmed AM and **Greenough WB III**. Rice-based oral rehydration solution decreases the stool volume in acute diarrhoea. *Bull Wld Hlth Org.* 63:751-756 (1985).
  74. Bender BS, Bennett R, Laughon BE, **Greenough WB III**, Gaydos C, Sears SD, Forman MS and Bartlett JG. "Is Clostridium difficile endemic in chronic-care facilities?" *Lancet.* ii:11-13 (July 5 1986).
  75. Alam AN, Sarker SA, Molla AM, Rahaman MM and **Greenough WB III**. Hydrolysed wheat-based oral rehydration solution in the treatment of acute diarrhoea. *Arch Dis Child.* 62:440-444 (1987).

76. Bennett RG, Laughon BE, Mundy LM, Bobo LD, Gaydos CA, **Greenough WB III** and Bartlett JG. Evaluation of a latex agglutination test for Clostridia difficile in two nursing home outbreaks. *J Clin Micro.* 27 (5):889-893 (1988).
77. Molla AM, Molla A, Rohde JE and **Greenough WB III**. Turning off the diarrhea: the role of food and ORS. *J Pediatr Gastroent and Nutr.* 8:81-84 (1989).
78. Rybolt AH, Bennett RG, Laughon BE, Thomas DR, **Greenough WB III** and Bartlett JG. Protein-losing enteropathy associated with Clostridium difficile infection. *Lancet.* i8651:1353-1355 (June 17 1989).
79. Kenya PR, Odongo HW, Oundo G, Waswa K, Muttunga J, Molla AM, Nath SK, Molla A, **Greenough WB III**, Juma R and Were BN. Cereal based oral rehydration solutions. *Archives of Disease in Childhood.* 64:1032-1035 (1989).
80. Bari A, Rahman A, Molla A and **Greenough WB III**. Rice-based oral rehydration solution shown to be better than glucose-ORS as treatment of non-dysenteric diarrhoea in children in rural Bangladesh. *J Diarrhoeal Dis Res.* 7:1&2:1-7 (March & June 1989).
81. Thomas DR, Bennett RG, Laughon BE, **Greenough WB III** and Bartlett, JG. Postantibiotic colonization with Clostridium difficile in nursing home patients. *JAGS.* 38:415-420 (1990).
82. Bennett RG and **Greenough WB III**. C difficile diarrhea: a common and overlooked nursing home infection. *Geriatrics.* 45:9:77-87 (Sept 1990).
83. Gloth FM III, Lindsay JM, Zelesnick LB, **Greenough WB III**. Can vitamin D deficiency produce an unusual pain syndrome? *Arch Intern Med.* 151:1662-64 (Aug 1991).
84. Molla AM, Bari A and **Greenough WB III**. Food based oral rehydration therapy for improved management of diarrheal disease. *Indian J Pediatr.* 58:No 6:745-755 (1991).
85. Murphy S, Denman S, Bennett RG, **Greenough WB III**, Lindsay J and Zelesnick LB. Methicillin-resistant Staphylococcus aureus colonization in a long-term-care facility. *JAGS.* 40, No 3:213-217 (Mar 1992).
86. Murphy S, Denman SJ, Kramer J, Lindsay J, Zelesnick L, **Greenough WB III**. "A 12-month study of antibiotic utilization at a nursing home". *J of Med Direction*, Vol 2, No 2:44-48 (Aug 1992).
87. Bennett RG, Beamer BA, **Greenough WB III**, Lindenbaum J and Bartlett JG. Colonisation with digoxin-reducing strains of Eubacterium lentum and Clostridium difficile infection in nursing home patients. *J Diarrhoeal Dis Res.* 10:2:87-92 (June 1992).
88. Murphy S, West Jr KP, **Greenough WB III**, Cherot E, Katz J and Clement L. Impact of vitamin A supplementation on the incidence of infection in elderly nursing home patients: a randomized controlled trial. *Age and Aging.* 21:6:435-9 (Nov 1992).
89. Dauterman KW, Bennett RG, **Greenough WB III**, Redett RJ, Gillespie JA, Applebaum G, Schoenfeld CN. Plasma specific gravity for identifying hypovolaemia. *J Diarrhoeal Dis Res.* 13(1):33-38 (March 1995).

90. Molla AM, Bari A, **Greenough WB III**. Rice oral rehydration solution hastens recovery from dysentery. *J Diarrhoeal Dis Res.* 13(1):8-11 (March 1995).
91. Greenough ZF, Islam MS, **Greenough WB III**, Al-Mahmud KA. Livestock Antibodies: an indicator of environmental vibrio cholerae 01. *Immun and Infect Dis.* 5:235-237. (1995).
92. Shahid NS, **Greenough WB III**, Samadi AR, Rahman N. Hand washing with soap reduces diarrhoea and spread of bacterial pathogens in a Bangladesh village. *J Diarrhoeal Dis Res.* Jun;14(2):85-89. (1996).
93. Bennett RG, Gorbach SL, Goldin RG, Laughon BE, **Greenough WB III**, Bartlett JG. Treatment of relapsing *C. difficile* with lactobacillus GG. *Nutrition Today Supplement* 31(No. 6):35S-36S (1996).
94. Leff B, Burton L, Bynum JW, Harper M, **Greenough WB III**, Steinwachs D, Burton JR. Prospective evaluation of clinical criteria to select older persons with acute medical illness for care in a hypothetical home hospital. *J Am Geriatr Soc* 45:1066-73 (1997).
95. Bennett RG, Baran PJ, DeVone L, Bacetti H, Kristo B, Tayback M, **Greenough WB III**. Low airloss hydrotherapy versus standard care for incontinent hospitalized patients. *J Am Geriatr Soc* 46:569-576 (1998).
96. Ankrom MA, Barofsky I, Georas SN, Zelasnick L, **Greenough WB III**. What happens to patients in a nursing home-based, chronic ventilator unit: A five year retrospective review of patients and outcomes *Ann Long -Term Care* 6:309-314 (1998).
97. Burton LC, Leff B, Harper M, Ghostagore I, Steinwachs DA, **Greenough WB III**, and Burton JR. Acceptability to patients of a home hospital. *JAGS* 46: 605-609 (1998).
98. Leff B, Burton L, Guido S, **Greenough WB III**, Steinwachs D, Burton JR. Home Hospital Program: A Pilot Study. *J Am Geriatr Soc* 47:697-702 (1999).
99. Molla AM, Bari A, **Greenough WB III**, Pudhiraja P, Sharma PN. Bangladeshi rural mothers prepare safer rice oral rehydration solution. *Acta Paediatr* 89:791-4 (2000).
100. Ankrom M, Zelesnick L, Barofsky I, Georas S, Finucane TE, **Greenough WB III**. Elective Discontinuation of Life-Sustaining Mechanical Ventilation on a Chronic Ventilator Unit. *JAGS* Nov (2001).
101. **Greenough WB III**. The human, societal, and scientific legacy of cholera. *J Clin Invest.* 113:334-339 (2004).
102. Nalin D, Hirschhorn N, **Greenough WB III**, Fuchs G, Cash R. Clinical concerns about reduced-osmolarity oral rehydration solution. *JAMA* 291:2632-635. (2004).
103. Laffan AM, Bellantoni MF, **Greenough WB III**, Zenilman JM. *Clostridium difficile*-associated diarrhea in long-term care residents. *JAGS* 2006 (in press).

**Abstracts, Letters and Miscellaneous Articles:**

1. **Greenough WB III** and Thomas ED. An intracellular intermediate for hemoglobin formation. *J Clin Invest.* 40:1045 (1961).
2. **Greenough WB III**, Benenson AS and Islam R. Experience in Darkfield examination of stools from diarrheal patients. Proceedings of the Cholera Research Symposium, Honolulu, Publ Hlth Serv. Publication No. 1238:56-58 (1965).
3. Rosenberg III, **Greenough WB III**, Lindenbaum J and Gordon RS Jr. Nutritional studies in cholera. Proceedings of the Cholera Research symposium, Honolulu, Publ Hlth Serv. Publication No. 1328:68 (1965).
4. Lindenbaum J, **Greenough WB III**, Beneson, AS, Oseasohn, RO, Risvi S and Saad A. Non-vibrio-cholera. Proceedings of the Cholera Research symposium, Honolulu, Publ Hlth Serv. Publ. No. 1328:200 (1965).
5. Hasan SI, **Greenough WB III**, Benenson AS and Gordon R Jr. The Rhesus monkey as an experimental cholera model. Proceedings of the Cholera Research Symposium, Honolulu, Publ Hlth Serv. Publ No. 1328:276 (1965).
6. **Greenough WB III**. Accidental hypothermia. *Letter to Brit Med J.* i: 739 (1966).
7. **Greenough WB III** and Steinberg D. Sustained massive free fatty acid infusion in dogs: effect on glucose metabolism. *Clin Res.* 15:319 (1967).
8. Sack RB, Carpenter CCJ and **Greenough WB III**. Experimental cholera in dogs. *Clin Res.* 16:335 (1968).
9. Carpenter CCJ and **Greenough WB III**. The effect of blood flow and metabolic inhibitors in gut fluid losses induced by cholera exotoxin. *J Clin Invest.* 47:15 (1968).
10. Crespin SR, **Greenough WB III**, Boynton D and Steinberg D. Stimulation of insulin secretion in vivo by infusion of free fatty acids. *Circ.* 38:V1-4 (1969).
11. Crespin SR, **Greenough WB III**, Boynton D and Steinberg D. Direct effect of long-chain fatty acids on insulin secretion. *Diabetes.* 18:326 (1969).
12. Field M, Fromm D, Wallace CK and **Greenough WB III**. Stimulation of active chloride secretion in small intestine by cholera exotoxin. *J Clin Invest.* 48:24 no 77 (1969).
13. Al-Awqati Q, **Greenough WB III** and Carpenter CCJ. Ethacrynic acid inhibits gut fluid loss in cholera. *Clin Res.* 17:422 (1969).
14. **Greenough WB III**, Pierce NF, Al-Awqati Q and Carpenter CCJ. Stimulation of gut electrolyte secretion by prostaglandins, theophylline and cholera exotoxin. *J Clin Invest.* 48:32 No 104 (1969).
15. Al-Awqati W, Carpenter CCJ and **Greenough WB III**. Neutral sodium chloride absorption in rabbit ileum. Amer Society of Nephrology. Third Annual Meeting. Washington, D.C. (p 1, No 1969 issue).

16. Vanasin V, **Greenough WB III** and Schuster MM. Effect of prostaglandin (PG) on electrical and motor activity of isolated colonic muscle. *Gastroenterology* 58:1004 (1970) and *Clin Res.* 18:682 (1970).
17. Al-Awqati Q, Cameron JL, Field M and **Greenough WB III**. Response to human ileal mucosa to cholera toxin and theophylline. *J Clin Invest.* 49:2 no 4 (1970).
18. Al-Awqati Q, Field M, Pierce NF and **Greenough WB III**. Effect of prostaglandin E on electrolyte transport in rabbit ileal mucosa. *J Clin Invest.* 49:2 (1970).
19. Zieve PD, Pierce NF and **Greenough WB III**. Stimulation of glycogenolysis by purified cholera enterotoxin in disrupted cells. *Clin Res.* 18:690, no 4 (1970).
20. Gordon RS Jr and **Greenough WB III**. Mechanism of action of cholera toxin on mammalian tissues. Proceedings of the 6th Joint Conference of the U.S.-Japan Cooperative Medical Science Program Cholera Panel, Symposium on Cholera Toxin, Hakone, Japan on September 2, 1970. Published by the National Institute on Health, Tokyo. 1971 (pp 265-267).
21. **Greenough WB III**. Mortality and Fertility. Casual link. (Letter). *Science* 167:237 (1970).
22. Zieve PD, Pierce NF and **Greenough WB III**. Stimulation of glycogenolysis by purified cholera enterotoxin. *J Clin Invest.* 50:102 no 342 (1971).
23. Burton JR, Zachary JB, Bessin R, Rathbun HK, **Greenough WB III**, Sterioff S, Wright JR, Slavin RE and Williams GM. Aspergillosis in four renal transplant recipients: diagnosis and effective treatment with amphotericin B. Presented in part at the 52nd annual session of the American College of Physicians Meeting, Apr 2 1971, Denver, Colo. *Ann Inter Med.* 77:383-88 (1972).
24. Hewlett EL and **Greenough WB III**. Purified cholera enterotoxin (CT) increase adenylate cyclase (ACY) and adenosine 3'5' cyclic monophosphate (CYAMP) in fat cells. *Clin Res.* 19:459 (1971).
25. Katz MS and **Greenough WB III**. Selective inhibition of fat cell response to cholera toxin (CT) and epinephrine (E) by blocking agents. *Clin Res.* 20:1, 52 (1972).
26. **Greenough WB III**. Effects of cholera enterotoxin on extra-intestinal tissues. Proc. 7th Joint U.S.-Japan Cholera Panel Conference Symposium on Cholera, Woods Hole, MA. 8/9-11/71 (published 1972).
27. Al-Awqati Q, Field M and **Greenough WB III**. Inhibition of chloride secretion by ethacrynic acid. Abstract presented at the Symposium on the Activation of Adenyl Cyclase by Bacterial enterotoxins. The Johns Hopkins University School of Medicine, Baltimore MD (Oct 6-7 1971).
28. Katz MS and **Greenough WB III**. Selective inhibition of fat cell response to cholera toxin (CT) and epinephrine (E) by blocking agents. *Clin Res.* 20:3, 531 (1972).
29. Guerrant RL, Pierce NF, Ganguly U, **Greenough WB III** and Wallace CK. Mechanism of action of an *E. coli* enterotoxin. *J Clin Invest.* 51:39z (1972).
30. **Greenough WB III**. Letter to the Editor. *Harvard Med Alum Bull.* 46:6, 46 (1972 July-Aug).

31. Gordon RS Jr and **Greenough WB III**. Mechanism of action of cholera toxin on mammalian tissues. Proc. of 6th Joint Conference of U.S.-Japan Cooperative Medical Science Program, Cholera Panel. Symposium on Cholera Toxin, Hakone, Fuji-Hakone National Park. Sept 2 1970 (Proceedings published in 1971).
32. Burton JR and **Greenough WB III**. Fungal and nocardia infections in renal transplant recipients. *Lancet*. i:553, (1973 Mar 10).
33. **Greenough WB III**. Non-cholera vibrios. Letter to the *Lancet*. re: Zafari editorial (1973).
34. Spengler RF, Melvin VB, Leitman PS and **Greenough WB III**. Febrile reactions after methicillin. Letter to the *Lancet*. i: 168-169 (1974).
35. Spengler RF, Melvin VB, Leitman PS and **Greenough WB III**. Methicillin associated fever, a double-blind comparison of methicillin from two manufacturers. Abstract: *Am J Med* (1974).
36. Ganguly U and **Greenough WB III**. A cytoplasmic factor enhancing adenylate cyclase response to epinephrine: Effect of cholera toxin. *Clin Res*. 22: 710A (1974).
37. Rahaman MM, **Greenough WB III** and Lindenbaum J. Shiga Bacillus dysentery with leukemoid reaction and hemolytic anemia. Presented to the 14th Interscience Conference on Antimicrobial Agents and Chemotherapy, Sept 11-13 1974, San Francisco CA. *Clin Res*. 40: No 3 (1974).
38. Rahaman MM, **Greenough WB III** and Lindenbaum J. Shiga Bacillus Dysentery associated with marked leukocytosis and erythrocyte fragmentation. *Internal Med News* (1974).
39. Al-Awqati Q, Cameron JL and **Greenough WB III**. Electrolyte transport in human ileum: effect of purified cholera exotoxin. Abstract: *Biological Membrane*. 2:2M255 (1974).
40. Hornick R, Gangarosa E and **Greenough WB III**. Plasmid-mediated chloramphenicol resistance in typhoid. Editorial to *The Lancet*. re: Anderson Response to Butler/Pollack article (1973).
41. Rahaman, MM and **Greenough WB III**. Letter submitted re: Hemolytic uremic syndrome. *New Eng J Med* (May 30 1974).
42. Rahaman, MM, et al and **Greenough WB III**. Shiga Bacillus dysentery associated with marked leukocytosis and erythrocyte fragmentation. Presented by Greenough at 14th Interscience Conference on Antimicrobial Agents & Chemotherapy, San Francisco CA (Sept 12 1974).
43. Spengler, RF, **Greenough WB III** and Leitman, PS. Methicillin-associated fever. *Lancet*. i:865 (1975).
44. Ganguly, U and **Greenough WB III**. Epinephrine-enhancing activity in cytosol: effective of cholera toxin. Presented at the U.S.-Japan Cholera Program Workshop (June 13 1975) Bethesda MD.
45. Spengler RF, **Greenough WB III** and Stolley PD. Characteristics of nosocomial bacteremias and associated risk factors. Abstract submitted (Mar 9 1976) to The Society for Epidemiologic Research.

46. Gibson G, Gann DS, **Greenough WB III**, Slosberg B, Matanoski GM and Kaszuba A. Health services research as an emergency department management tool. Paper presented at the Annual Meetings of the University Association for Emergency Medical Services, Vancouver, Canada (May 1975).
47. Ganguly U and **Greenough WB III**. Effect of epinephrine and fluoride on cholera toxin-pretreated cell ghosts adenylate cyclase. *Indian J Biochem.* 13:41-42 (Mar 1976) supplement. Presented at General Body Meeting of Biochemists in 1975.
48. **Greenough WB III**. Pathogenic mechanisms involved in toxigenic and invasive bacterial diarrheas. Presented at symposium on Acute Diarrheal Disorders. Oct 29 1977, XV International Congress of Pediatrics, New Delhi, India.
49. **Greenough WB III**. Current principles in the treatment of cholera and related dehydrating diarrheas. 43rd Nobel Symposium, Stockholm (1978).
50. Mosley WH, Rahaman MM, Chen LC, Aziz KMS and **Greenough WB III**. International research laboratory in Bangladesh. *Lancet.* i:602-603 (1978).
51. **Greenough WB III**. Pathogenesis of acute diarrhoea. VIIIth National Conference on Communicable Diseases, All India Institute of Hygiene and Public Health, Calcutta, India (Dec 8-10 1978).
52. **Greenough WB III**. Oral rehydration in diarrhoea: the role of ICDDR,B in research, training and extension. National Workshop on Oral Rehydration, Institute of Public Health Auditorium, Dacca (Sept 26-28 1979).
53. **Greenough WB III**, Stoll BJ, Holmgren J, Svennerholm L, Fredman P, Bardhan PK and Huq MI. Toxin absorption in cholera. *Lancet.* ii:208 (1981).
54. **Greenough WB III**. Disturbances in intestinal salt and water transport. Amer Physiol Society Meeting, Dallas TX (June 1979).
55. **Greenough WB III**. The use of antibiotics and other pharmaceutical agents in the treatment of diarrhoea-when are they necessary? Nobel Conference on Acute Enteric Infections in Children: New Prospects for Treatment and Prevention, Stockholm (22-26 Sept 1980).
56. **Greenough WB III**. Vaccine development. Nobel Conference on Acute Enteric Infections in Children, New Prospects for Treatment and Prevention, Stockholm (22-26 Sept 1980).
57. Islam MR and **Greenough WB III**. Common salt and sugar with and without sodium bicarbonate as an oral rehydration solution in diarrhoea of children. VIth Asian-Pacific Congress of Gastroenterology, Auckland, New Zealand (10-15 Feb 1980). Abstract in: Abstracts of papers. 1980:277.
58. Molla AM, Hossain M, Karim M and **Greenough WB III**. Trial of a cereal-based (rice powder) electrolyte solution for simultaneous rehydration and rehabilitation in diarrhoea. 3rd Asian Congress of Nutrition, Jakarta (6-10 Oct 1980). Abstract in: Programme and Abstracts. 1980:114-5.

59. Molla AM, Hossain M and **Greenough WB III**. Oral rehydration therapy in diarrhoea: an overview and a new concept. 7th Annual Conference of the Bangladesh Medical Association, Dhaka (9-11 May 1980). Abstract in: Proceedings (1980).
60. Rabbani GH, **Greenough WB III**, Holmgren J and Lonroth I. Chlorpromazine reduces fluid loss in cholera. Abstract in: Year Book of Medicine (1980). Chicago, Year Book Medical Publishers. 1980:47-9.
61. Rabbani GH, **Greenough WB III**, Holmgren J and Lonroth I. Clinical trial of chlorpromazine (CPZ) as a therapeutic antisecretory agent in cholera. Fourth Bangladesh Science Conference, Rajshahi (2-5 Mar 1980). Abstract in: Proceedings. 1980:176.
62. Wahed MA, Molla AM, Sarker SA, Rahaman MM and **Greenough WB III**. Hyponatraemia: a complication in the diarrhoea in children not receiving oral replacement therapy. 7th Annual Conference of the Bangladesh Medical Association, Dhaka (9-11 May 1980). Abstract in: Proceedings (1980).
63. **Greenough WB III**. Antibiotics and pharmaceutical agents in diarrhoeal disease. Brugge Symposium (8-11 Sept 1981).
64. **Greenough WB III**. Current concepts on etiology and pathogenesis: bacteria. Seminar on Diarrhoeal Diseases of Children in Southeast Asia in the Context of Primary Health Care, Bangkok (9-12 Nov 1981).
65. **Greenough WB III**. Introduction and goals of the Conference (on Experimental Cholera Vaccines). In: Rahman S; ed. Proceedings of the conference on Experimental Cholera Vaccines, Dhaka (6-8 Apr 1981). Dhaka, International Centre for Diarrhoeal Disease Research, Bangladesh. 1981:13.
66. **Greenough WB III**. Physiological and clinical aspects of dehydration diarrhoeas. Workshop to develop training modules on diarrhoeal diseases, Dhaka (7-10 Dec 1981).
67. **Greenough WB III**, Stoll BJ, Holmgren J, Svennerholm L, Fredman P, Bardhan PK and Huq I. Toxin absorption in cholera. *Lancet*. *ii*:8239:208 (July 15 1982).
68. Molla AM, Sarker SA, Hossain M, Molla A and **Greenough WB III**. The successful use of (rice powder) electrolyte solution as oral therapy in diarrhoea due to *V. cholerae* and *E. coli*. Regional Conference on Diarrhoeal Diseases, Dhaka (16-20 Feb 1981). Abstract in: Southeast Asia in the Context of Primary Health Care, Bangkok (9-12 Nov 1981).
69. Molla AM, Sarker SA, Hossain M, Molla A and **Greenough WB III**. The successful use of (rice powder) electrolyte solution as oral therapy in diarrhoea due to *V. cholerae* and *E. coli*, Regional Conference on Diarrhoeal Diseases, Dhaka (16-20 Feb 1981). Abstract in: Southeast Asian J Trop Med. Public Health *13*:493 (1982).
70. **Greenough WB III** and Molla AM. Cereal-based oral rehydration solutions (letter). *Lancet*. *ii*:823 (1982).
71. **Greenough WB III**. Mechanisms of bacterial diarrhoea: where do we go from here (abstract)? In: Proceedings of the 2nd Asian Conference on Diarrhoeal Diseases, Calcutta. 1983:8.

72. Khan MU, Samadi AR, Huq MI and **Greenough WB III**. Appearance of classical Vibrio cholerae in Bangladesh: an epidemiological consideration. Abstract in: Proceedings of the 2nd Asian Conference on Diarrhoeal Diseases, Calcutta. 1983:8.
73. Kahn MU and **Greenough WB III**. Epidemiology of diarrhoeal diseases in Bangladesh. in: Proceedings of the International Symposium on Diarrhoeal Diseases, Osaka, Japan (1983).
74. Glass RI, Khan MR, **Greenough WB III** and Holmgren J. The use of family studies for prospective epidemiologic investigations of cholera. in: Proceedings of the Nineteenth Joint Conference on Cholera, U.S.-Japan Cooperative Medical Science Program, Bethesda MD (1983):35.
75. **Greenough WB III**. Need people die any more of cholera?: Causes, concerns, and control (interview) (8):21-3 Autumn 1983.
76. Kahn MU, Samadi AR, Huq MI and **Greenough WB III**. Appearance of classical Vibrio cholerae in Bangladesh: an epidemiological consideration. in: Proceedings of the 2nd Asian Conference on Diarrhoeal Diseases, Calcutta (1983):8.
77. Shahid NS, Alam AN, Haider K, Henning C, Gothefors L and **Greenough WB III**. Respiratory tract infections as complication to diarrhoea in hospitalized children. in: Proceedings of the 17th International Congress of Pediatrics (vol 1), Philippine, International Convention Center, Manila (7-12 Nov 1983):73.
78. **Greenough WB III**. Super ORT (editorial). J Diar Dis Res (1983 June); 1 (2):75-5.  
**Greenough WB III**. Protozoal, bacterial and viral diarrhoea: a common mechanism (editorial). J Diar Dis Res. 2;2:68 (1984 June).
80. Molla AM, **Greenough WB III**, Molla A, Khatun A, Majid N and Rohde J. Rice water is not rice cereal oral rehydration solution (letter). Lancet. 2;8393:40 (1984 July 7).
81. Bender B, Bennett R, Sears S, **Greenough WB III**, Voss J, Gaydos C, Bobo L, Charache P, Forman M, Bartlett J and Laughon B. "Clostridium difficile in a chronic care facility" Amer Society for Microbiology (Mar 1986).
82. **Greenough WB III**. Status of cereal-based oral rehydration therapy. J Diar Dis Res. 5:275-278 (1987).
83. **Greenough WB III**. Symposium Summary. J Diar Dis Res. 4:298-299 (1987).
84. **Greenough WB III**. Use of oral rehydration in the elderly. in: "Perspectives in Oral Rehydration Therapy" Proceedings of a Symposium. Sack RB, Santosham M (Eds.); Biomedical Information Corp. 800 Second Ave, New York NY 10017;pp 21-23 (1986).
85. **Greenough WB III**, Glass RI, Holmgren J, Khan MR, Hossain KMB and Huq MI. Receptor blocking, cholera and Escherichia coli toxins. J Infect Dis. 158(5):1147-1148 (1988).
86. Bennett RG, Laughon B, Thomas D, **Greenough WB III** and Bartlett J. Clostridium difficile infection in nursing home patients. (1989). Abstracts of the Annual Meeting of the American Geriatrics Society, p 26.

87. Rybolt A, Thomas D, Bennett RG and **Greenough WB III**. Is protein-losing enteropathy a cause of malnutrition in nursing home patients? (1989). Abstracts of the Annual Meeting of the American Geriatrics Society, p 59.
88. Gloth FM III and **Greenough WB III**. Autopsies and preventable deaths (letter). *Annals of Internal Medicine*. 110:2 (Jan 1989).
89. **Greenough WB III**. Why is rice water effective for diarrhoea? (letter). *The Lancet*. i:966 (Apr 29 1989).
90. Bennett RG, Laughon BL, **Greenough WB III** and Bartlett JG. Clostridium difficile in elderly patients. Letter to the Editor. *Age and Aging*. 18: 354-355 (1989).
91. **Greenough WB III**. Diarrhoea and Malnutrition (letter). *Lancet*. ii: 692 (1989).
92. Bennett RG, **Greenough WB III**, Gloth FM, Lindsay JM and Zelesnick L. Extrapyrimalid signs in dementia of Alzheimer Type (letter). *Lancet*. ii:1392 (1989)
93. Bennett RG, Laughon B, Lindsay J, Sisler J, **Greenough WB III**, Bartlett J, Goldin B and Gorbach S. Lactobacillus GG treatment of Clostridium difficile infection in nursing home patients. International Conference on Nosocomial Infections: Atlanta GA (1990).
94. Murphy S, Denman S, Lindsay L, Zelesnik L, Bennett RG, **Greenough WB III** and Murphy P. Methicillin-Resistant Staphylococcus Aureus (MRSA) rates at an academic nursing home. *Brit Geriatric Society* (1990).
95. Murphy S, Denman S, Bennett RG, **Greenough WB III**, Lindsay J, Zelesnik L, Brant L and Murphy P. Risk factors for methicillin-resistant Staphylococcus Aureus colonization among new admissions to a nursing home. *Gerontological Society of America:Boston* (1990).
96. Murphy S, Lindsay J, Bennett RG, Spahr T and **Greenough WB III**. Cryptosporidium and sporadic diarrhea in a nursing home. *The Gerontologist*. 30:294A (Oct 1990).
97. Khin-Maung-U and **Greenough WB III**. Treatment of the dehydrated child (letter). *Pediatric Annals* 20 (Jan 1 1991).
98. Murphy S, Clement L, Cherot E, **Greenough WB III** and West Jr KP. Use of conjunctival impression cytology for assessment of Vitamin A status in the institutionalized elderly. *Irish Gerontological Society Annual Meeting*. Dublin, Ireland (Sept 27-28 1991).
99. Murphy S, Clement L, Cherot E, **Greenough WB III** and West Jr KP. Does vitamin A supplementation prevent infections among nursing home residents?: Results of a pilot study. Presented at the Autumn Meeting of the British Geriatrics Society. London, U.K. (Oct 17-18 1991).
100. Murphy S, Cherot E, Clement L, **Greenough WB III**, West Jr KP. Assessment of standing height using knee height measurement in the elderly. *Am J Clin Nutr*. 54:611-612 (1991).
101. **Greenough WB III**. Prevention and Treatment of Cholera. *The Medical Letter*, 33:Issue 857:pp 107-108 (Nov 15 1991).

102. Burke EM, Taylor RM, Bennett RG, Murray DM and **Greenough WB III**. Hydrocolloid versus wet-to-dry dressing treatment of chronic wounds. *Keystone Symposiums; Molecular & Cellular Biol* (2/92).
103. **Greenough WB III**. Rice based oral rehydration solutions. Letter to the Editor. *British Med J*. 304, 6832:p 982 (Apr 11 1992).
104. **Greenough WB III**, Scheve A, Khin-Maung-U, Gillespie JA, DeVone LE, Dauterman KW, Redett RJ and Cheskin LJ. Causes of diarrhea in the elderly: Impact on intestinal function and treatment by oral rehydration therapy. Abstract: *Clinical Research*. 40:438A (1992).
105. Dauterman KW, Redett RJ, Gillespie JA, **Greenough WB III** and Schoenfeld CN. Plasma specific gravity measures volume depletion: a common correctable and often overlooked problem in the elderly. Abstract: *Clinical Research*. 40:394A (1992).
106. **Greenough WB III** and Bennett RG. Advances in oral rehydration therapy in the elderly. Abstract: *JHUSOM Dept of Med Retreat* (Oct 1992).
107. Guerrant RL, Weinberg AD, Glass RI, **Greenough WB III** and Scheve AA. Dehydration and diarrhea in the elderly: a surmountable health challenge. Abstract for a symposium: *Gerontological Society of America* (Nov 1992).
108. Gillespie J, Scheve A, DeVone L, Leal-Mora D and **Greenough WB III**. Plasma specific gravity: a useful measure of volume depletion in elderly patients with diarrhea. Abstract: *American Geriatrics Society Meeting* (Nov 1992).
109. DeVone L and **Greenough WB III**. Incidence and prevalence of diarrhea in elderly patients in hospitals and nursing homes. Abstract: *American Geriatrics Society Meeting* (Nov 1992).
110. Szema AM and **Greenough WB III**. Geriatrics patient with eating disorder. Abstract: *American College of Physicians* (Apr 1993).
111. Bennett RG, DeVone L, Baran P, Kristo B, Tayback M, **Greenough WB III**. *Clensicair<sup>TM</sup>* bed therapy for incontinent hospitalized patients. Abstract: *JHU School of Medicine Retreat* (Sept 1993).
112. Bennett R, DeVone L, Baran P, Bacetti H, Kristo B, Tayback M, **Greenough WB III**. *Clensicair<sup>TM</sup>* bed therapy for incontinent hospitalized patients. Abstract: *AGS/AFAR Annual Meeting* (May 19-22 1994).
113. **Greenough WB III** and Hirschhorn N. Treating cholera. Letter to the editor. *The New York Times*. A20 (Aug 2 1994).
114. Burton J, Nye C, Leff B, **Greenough WB III**. Steinwachs D, Burton L. Home care of acute illness: a challenge for geriatricians. Abstract: *American Geriatrics Society Meeting, Washington, D.C.* (May 1995).
115. Leff B, Walter J, **Greenough WB III**, Burton J. Development of a protocol to select patients with acute community acquired pneumonia (CAP) for treatment at home. Abstract: *American Geriatrics Society Meeting, Washington, D.C.* (May 1995).

116. Leff B, **Greenough WB III**, Burton J. Development of a protocol to select patients with an exacerbation of congestive heart failure for treatment at home. Abstract: American Geriatrics Society Meeting, Washington, D.C. (May 1995).
117. Haydar Z, **Greenough WB III**. Pitfalls of computerized literature searches. *Clin Infec Dis*. 21:242 (1995).
118. **Greenough WB III**. Oral rehydration therapy. *Lancet*. 345:1568-1569 (1995).
119. Leff B, Burton L, Bynum J, Harper M, **Greenough WB III**, Steinwachs D, Burton JR. Prospective evaluation of protocols to select elderly patients with acute medical illnesses for home hospital care. Abstract: American Geriatrics Society Meeting (May 1996).
120. Leff B, Harper M, Burton L, **Greenough WB III**, Steinwachs D, Burton JR. Frequency and clinical implications of multiple admission diagnosis in older patients being considered for treatment in a home hospital model of care. Abstract: American Geriatrics Society Meeting (May 1996).
121. Mulhall B, **Greenough WB III**, McLeod J. Measuring hydration changes in elderly hospital patients by bioelectrical impedance. Abstract: American Geriatrics Society Meeting (May 1996).
122. Burton L, Leff B, Burton J, Steinwachs D, Ghoshtagore I, **Greenough WB III**. Acceptability of home hospital for selected medical conditions to patients and their families. Abstract: American Geriatrics Society Meeting (May 1996).
123. Burton L, Leff B, **Greenough WB III**, Steinwachs D, Burton J. Can home hospital reduce costs of care? A comparison of actual hospital charges with estimates of cost for home hospital. Abstract. American Geriatrics Society Meeting (May 1996).
124. Burton L, Leff B, Burton JB, Steinwachs D, **Greenough WB III**. Home hospital: a community-based alternative for older persons with selected acute medical conditions. Abstract: Assoc of Health Ser Research (June 1996).
125. **Greenough WB III**. Oral rehydration solutions. *Lancet*. 348:1030 (Oct 1996).
126. Leff B, Burton L, Guido S, **Greenough WB III**, Steinwachs D, Burton JR. The patient-centered home hospital program-development, measures, safety and feasibility demonstration. Abstract: GSA Meeting (Nov 1996).
127. Guido S, Leff B, Burton J, Burton L, **Greenough WB III**, Steinwachs D. Home Hospital Program: satisfaction level of patients, caregivers, and nursing personnel. Abstract: American Geriatrics Society (May 1997).
128. Leff B, Burton L, Guido S, **Greenough WB III**, Steinwachs D, Burton JR. Home hospital program: safety and feasibility demonstration-early clinical experience. Abstract: American Geriatrics Society Meeting (May 1997).
129. Burton L, Leff B, Guido S, **Greenough WB III**, Steinwachs D, Burton JR. Can home hospital reduce costs compared to in-hospital care? An early comparison of actual charges. Abstract: American Geriatrics Society Meeting (May 1997).

130. Ankrom MA, **Greenough WB III**. Delayed diagnosis: a 78 year old man with AIDS. *J Am Geriatr Soc. Letter*;45:1282-1283 (Oct 1997).
131. Leff B, Burton L, Bynum JW, Harper M, **Greenough WB III**, Steinwachs D, Burton JR. Prospective evaluation of clinical criteria to select older persons with acute medical illness for care in a hypothetical home hospital. *J Am Geriatr Soc.* 45:1066-73 (Nov 1997).
132. Leff B, Burton L, Guido S, **Greenough WB III**, Steinwachs D, Burton JB. Severity of illness of older patients admitted to hospital with community-acquired pneumonia (CAP)-changes over time and implications for development of a home hospital program (HHP). Abstract: GSA Meeting (Nov 1997).
133. Ankrom M, **Greenough WB III**. Delayed diagnosis: a 78-year-old man with AIDS. *J Am Geriatr Soc* 15:1282-83 (1997).
134. Ankrom MA, Barofsky I, Georas SN, **Greenough WB III**. A five year retrospective review of patients and outcomes in a nursing home based chronic ventilator unit. Abstract: AMDA Meeting (Mar 1998).
135. Leff B, Burton L, Guido S, **Greenough WB III**, Steinwachs D, Burton JR. Home Hospital Program: A Pilot Study. *JAGS* 47:697-702 (1999).
136. Ankrom M, Zelesnick L, Barofsky I, Finucane T, **Greenough WB III**. Elective Discontinuation of Chronic Life-Sustaining Ventilation. Abstract: American Geriatrics Society Meeting (May 1999).
137. **Greenough WB III**, Tseng W, Varanasi S, Wolfe L, Kaplan J, Geyer A. Diarrhea in the elderly is common and Oral Rehydration Therapy (ORT) useful in the acute hospital setting. (May 1999).
138. Molla AM, Molla A, **Greenough WB III**. The diarrhoea-malnutrition cycle, can newer oral rehydration therapy intervene? World Congress of Pediatric Gastroenterology, Hepatology and Nutrition. (Mar 2000).
139. **Greenough WB III**. Preface in *Small Bowel Disorders*. Ratnaike E. Ratnaike Oxford University Press 2000.
140. Burton L, Leff B, Clark B, Guido S, **Greenough WB III**, Burton J, Steinwachs D, Burl J, Naughton B, Mader S, Donius M., Salzman S, Delano C. Comparison of Caregiver Stress between Caregivers of Patients Treated in Hospital or a Home Hospital. Abstract: AGS poster, 2002.
141. Burton L, Leff B, Clark B, Guido S, **Greenough WB III**, Burton J, Steinwachs D, Burl J, Naughton B, Mader S, Donius M., Salzman S, Delano C. Stress Among Caregivers of Hospitalized Older Patients. *J Am Geriatr Soc.* 50:S123;P343 (April 2002).
142. Burton LC, Leff B, Guido S, **Greenough WB III**, Steinwachs D, Naughton B, Mader S, Burl J, Donius M, Saltzan S, Delano C, Clark R, Burton J. Importance of having of an accessible confidant in patients' decision to be treated in a home hospital. Abstract: AGS (May 2003).
143. Leff B, Burton L, Burl J, Mader S, Naughton B, Guido S, **Greenough WB III**, Margaret D, Delano C, Saltzman S, Steinwachs D, Burton J. Return of Physical Function Following Acute Illness Among

- Patients Eligible For Home Hospital Treatment. The Johns Hopkins Home Hospital National Demonstration and Evaluation Study. Abstract: AGS (May 2003).
144. Sieg S, **Greenough WB III**, DeMarco S, Andersen R. Efficacy of a Gel Fluid Support Surface Compared to a Power Air Overlay in Preventing and Healing Pressure Ulcers. Abstract: AGS ( May 2003).
145. Finucane T, **Greenough WB III**. Uses of error. Group practice. Lancet. 361:2077 (2003).
146. Aaron JC, Glymph C, Bellantoni M, **Greenough WB III**. Prevalence of Infection or Colonization by Resistant Organisms in a Community Based Long-Term Care Facility. Abstract: 41<sup>st</sup> Annual Meeting of IDSA, San Diego. (October 2003).
147. Burton L, Leff B, Clark B, Guido S, **Greenough WB III**, Burton J, Steinwachs D, Burl J, Naughton B, Mader S, Donius M, Saltzan S, Delano C. Patient and Caregiver Satisfaction with a Home Hospital. Abstract: AGS (November 2003).
148. **Greenough WB III**. Lupus to Leprosy – Eureka! Pharos 43. Response to article, Autumn 2003.
149. Zaft S, **Greenough WB III**. Half a Purple Painful Tongue. J AM Geriatr Soc. Jun;52:1030-31. 2004.
150. Simpson C, **Greenough WB III**. Abdominal Pain in an Elderly Osteoporotic Patient: Ribs on Pelvis “RAP” Syndrome. J Am Geriatr Soc. Jun 52(6):1039. 2004.
151. Bao T, Freeman G, **Greenough WB III**. Palpable purpura as a presenting sign of bacterial endocarditis. American College of Physicians Abstract. May 2004.
152. Gloth FM 3rd, **Greenough WB III**. Vitamin D deficiency as a contributor to multiple forms of chronic pain. Mayo Clin Proc. May;79(5):696, 699. 2004.
153. Dedhia P, Franckowiak SC, McKinney C, **Greenough WB III**, DeMarco D, Ankrom M, Kim KS, Harshbarger S, Bennett R, Andersen RE. Energy Expenditure of Older Adults with Pressure Ulcers: A Pilot Investigation. AGS Abstract Oct. 2004.
154. Chang J, Goodison K, **Greenough WB III**. Provision of care for prolonged mechanical ventilation patients. AGS poster. May 2005.
155. Chang JC, Goodison K, **Greenough WB III**. Provision of care for prolonged ventilation patients. Abstract: JHUSOM Dept of Med Retreat (April 2005).
156. Laffan AM, Bellantoni MF, **Greenough WB III**, Zenilman JM. *Clostridium difficile*-associated diarrhea in long-term care residents. Abstract: JHUSOM Dept of Med Retreat (April 2005).
157. Leff B, Burton L, **Greenough WB III**, Frick K, Steinwachs D, Burton JR. Translating research into practice: The Johns Hopkins Home Hospital. Abstract: JHUSOM Dept of Med Retreat (April 2005).
158. Murray, BE, Anderson KE, Arnold E, Bartlett JG, Carpenter CC, Falkow S, Hartman JT, Lehman T, Reid TW, Ryburn Jr FM, Sack RB, Struelens MJ, Young LS, **Greenough WB III**. Destroying the Life and Career of a Valued Physician-Scientist Who Tried to Protect Us from Plague: Was It Really Necessary? Clin Infec Dis. Jun 40:1644-1648 (2005).

159. **Greenough WB III.** Oral Versus Intravenous Rehydration of Moderately Dehydrated Children. *Pediatrics* 115:1788 (2005).
160. Laffan AM, Bellantoni MF, **Greenough WB III**, Zenilman JM. *Clostridium difficile*-associated diarrhea in long-term care residents. Abstract: IDSA 43<sup>rd</sup> Annual Meeting (Oct 2005).
161. **Greenough WB III.** Security for whose sake? *Bulletin of the Atomic Scientists* Sept/Oct (2005).
162. **Greenough WB III.** Diarrhea and Hypovolemia in the Elderly. *Johns Hopkins Advanced Studies in Medicine* (Nov/Dec 2005).
163. Leff B, Burton L, Mader S, Naughton B, Burl J, Inouye S, **Greenough WB III**, Guido S, Langston C, Frick K, Steinwachs D, Burton J. Hospital at Home: Feasibility and outcomes of a program to provide hospital-level care at home for acutely ill older patients. *Ann Intern Med.* 143:798-808 (2005).
164. Dunne ME, **Greenough WB III.** Curtailing the Spread of Disease. *Clostridium difficile* infection. *Adv Nurse Pract* Jun 14:63-66 (2006).
165. **Greenough WB III.** Update on Dr. Thomas Butler. *Clin Infect Dis.* 43:259-60 (2006).
166. Leff B, Burton L, Mader S, Naughton B, Burl J, Clark R, **Greenough WB III**, Guido S, Steinwachs D, Burton J. Hospital at Home Satisfaction Study. in press (2006).
167. **Greenough WB III.** Response to Institutional Conflict of Interest. *Change*, JH Publication in press (2006).

#### **Review Articles:**

1. Gordon RS Jr, Ahmed J, Akbar R, Alam AKMJ, Ali MM, Barui RI, **Greenough WB III**, Islam MR, Islam, MA, Khan AQ, Lindenbaum J, Rahaman ASMM and Zoha MS. Treatment of cholera. 1964. *East Pakistan Med J.* 8:10-19 (1964).
2. Gordon RS Jr, Feeley JC, **Greenough WB III**, Sprinz H and Oseasohn R. Cholera. *Ann Intern Med.* 64:1328 (1966).
3. **Greenough WB III.** The relevance of cholera to American medicine. *Military Med.* 132:596-601 (1967).
4. **Greenough WB III**, and Carpenter CCJ. Fluid loss in cholera: A current perspective. *Texas Pre Biol and Med.* 27:203-212 (1969).
5. Pierce NF, **Greenough WB III** and Carpenter CCJ. *Vibrio cholerae* enterotoxin and its mode of action. *Bact Rev.* 35:1-13 (1971).
6. Goodgame R, and **Greenough WB III.** Cholera in Africa, a message for the West. *Ann Intern Med.* 82:101-106 (1975).

7. **Greenough WB III.** Bacterial diarrhoeal diseases: current concepts on etiology and pathogenesis. *Southeast Asian J Trop Med. Public Health* 13:319-24 (1982).
8. Rabbani GH and **Greenough WB III.** Inhibitors of Intestinal secretion in man. In: Skadhauge E, Heintze K, eds, *Proceedings of an International Conference on Intestinal Absorption and Secretion (Falk Symposium 36)*, Titisee. West Germany, 2-4 Jan 1983. Lancaster: MTP Press. (1984)427-41.
9. **Greenough WB III.** Directions of future research on ORT. In: *Proceedings of the International Conference on Oral Rehydration Therapy*, Washington, DC, 7-10 June 1983. Washington: Agency for International Development (1983) 199-201.
10. Rabbani GH and **Greenough WB III.** "Inhibition of Intestinal Secretion in Man" In Skedhauge, E and Heintze, K. (Eds) *Intestinal and Secretion*. M.T.P. Press Lancaster, England. pp 427-441 (1984).
11. **Greenough WB III.** Protozoal, bacterial, and viral diarrhoea: a common mechanism. *J Diar Dis Res.* 2:68 (1984).
12. **Greenough WB III.** Introduction to first issue by Editor in Chief. *J Diar Dis Res.* 1:1 (1983).
13. Bennett R and **Greenough WB III.** Diarrhea: a ubiquitous disease in older persons. *Clin Report on Aging.* 1;6:1-9 (1987).
14. **Greenough WB III.** Rehidracion oral. *Bol of Sanit Panam.* 103:53 (1987).
15. **Greenough WB III.** Diarrhea in developing countries. *Digest Dis and Sci.* 32:787 (1987).
16. **Greenough WB III.** Status of cereal-based oral rehydration therapy. *J Diar Dis Res.* 5:275-278 (1987).
17. Taylor CE and **Greenough WB III.** Control of diarrheal diseases. *Ann Rev Publ Hlth.* 10:221-244 (1988).
18. Wheeler DS and **Greenough WB III.** Diarrhea: etiology and treatment with oral rehydration therapy. *Senior Medical Review.* 2:1-8 (1988).
19. Carpenter CCJ, **Greenough WB III** and Pierce NF. Oral rehydration: role of polymeric substrates. *New Eng J Med.* 319:1346-1348 (1988).
20. **Greenough WB III.** Developing countries can teach developed countries to save lives and cut health costs with oral rehydration therapy. *Friends of Bangladesh Newsletter.* 1:7-8 (1988).
21. **Greenough WB III.** Oral rehydration therapy: an epithelial transport success story. *Arch Dis Childhood.* 64: 419-422 (1989).
22. Santosham M and **Greenough WB III,** Oral rehydration therapy: A global perspective. *J of Pediatrics.* 118 (Sup), pp S44-S51 (Apr 1991).
23. Khin-Maung-U and **Greenough WB III,** Cereal-based oral rehydration therapy. I.Clinical studies. *J of Pediatrics.* 118 (Sup), pp S72-S79 (Apr 1991).
24. **Greenough WB III,** Khin-Maung-U, Cereal-based oral rehydration therapy. II.Strategic issues for its implementation in national diarrhea disease control programs. *J of Pediatrics.* 118 (Sup), pp S80-S85

- (Apr 1991).
25. Hirschhorn N and **Greenough WB III**, Progress in Oral Rehydration Therapy. Scientific American. pp 50-56 (May 1991).
  26. **Greenough WB III**. A simple solution. J Diar Dis Res. 11;1:1-5 (Mar 1993).
  27. **Greenough WB III**. Introduction: Immunologic Mechanisms. Clinical Infectious Diseases. 16:Suppl 2,S105 (1993).
  28. Bennett RG, **Greenough WB III**. Approach to acute diarrhea in the elderly. Gastroenterology Clinics of North Amer. no 3:pp 517-533 (Sept 1993).
  29. Lindsay JM, **Greenough WB III**, Zelesnick LB, Kuhn KE. Fever in the nursing home resident. Maryland Med J. Vol 43, No 2:pp 159-164 (Feb 1994).
  30. **Greenough WB III**. Infections of pressure ulcers: an ounce of local care is worth a pound of systemic care. Infec Dis in Clin Practice. 4;No 6:433-435 (1995).
  31. **Greenough WB III**, Riikonen CD. Diarrhea: preventing or correcting dehydration with ORS. Midwest Shared Newsletter Services. Elliott Freeman, Ed. Chicago, Il. pp 1-2 (Dec 1995).
  32. Bennett RG, Gorbach SL, Goldin BR, Chang T, Laughon BE, **Greenough WB III**, Bartlett JG. Treatment of relapsing Clostridium difficile with Lactobacillus GG. Nutrition Today. 31;35S-38S (Dec 1996).
  33. **Greenough WB III**. Oral rehydration therapy: something new, something old. Infectious Dis in Clin Practice 7:97-100 (1998).
  34. Rabbani GH, **Greenough WB III**. Food as a Vehicle of Transmission of Cholera. J Diar Dis Res. 1999.March 17 (1):1-9.

### **Book Chapters:**

1. **Greenough WB III**. "Cholera Method of the Pakistan-SEATO Cholera Research Laboratory", in: Current Therapy-1965, WB Saunders & Co, Philadelphia, pp 7-9.
2. **Greenough WB III**, Carpenter CCJ, Bayless TM, and Hendrix TR "The Role of Cholera Exotoxin in the Study of Intestinal Water and Electrolyte Transport". in: Progress in Gastroenterology II, Grune & Stratton Inc, New York, pp 236-251 (1970).
3. **Greenough WB III.**, Edited Section 12: Infectious Diseases, In: Principles and Practice of Medicine, 18th edition, Appleton-Century-Crofts, New York. 1972. Author/co-author of the following chapters: Chapter 88: The Host and Defense Against Infectious Diseases by WB Greenough III; Chapter 89: The infecting Agent by WB Greenough III; Chapter 90: Determinants of Infectious Disease by N Hirschhorn and WB Greenough III; Chapter 91: Recognition and Management of Infection by WB Greenough III, FR Fetkey Jr, and P Charache; Chapter 94: Infections of Skin, Muscle, and Bone by WB Greenough III, and NF Pierce; Chapter 98: Infections of the Central Nervous system by NF Pierce, and WB Greenough III.

4. **Greenough WB III** and Cash RA. in: Disaster in Bangladesh, Health Crisis in a Developing Nation, ed. Lincoln C. Chen, Oxford University Press, New York 1973. Chapter 16: Post-Civil War in Bangladesh-Health Problems and Programs.
5. Carpenter CCJ Jr, **Greenough WB III** and Gordon RS Jr. in: Cholera by the World Health Organization, ed. D Barua and E Burrows, WB Saunders Company, Philadelphia, January 1974. Chapter: Pathogenesis and Pathophysiology.
6. **Greenough WB III.** Edited The Infectious Diseases Section in: Principles and Practice of Medicine, 19th ed., Appleton Century-Crofts, New York. 1975. Author/co-author of the following chapters: Chapter 89: Infectious Diseases: General considerations by WB Greenough III; Chapter 94: Infections of Skin, Muscle and Bone by WB Greenough, III, and NF Pierce; Chapter 98: Infections of the Gastrointestinal Tract by N Hirschhorn and WB Greenough, III; Chapter 100: Sexually Transmitted Infections by WB Greenough; Chapter 102: Infections: Geographic Considerations by TW Simpson and WB Greenough III.
7. **Greenough WB III.** "Cholera" in: Current Therapy 1978, WB Saunders Co. Philadelphia, p 13-17.
8. **Greenough WB III.** Chapter on Vibrio Cholerae, in: Principles and Practice of Infectious Diseases, editors Mandell GL, Douglas RGJ, Bennett JE, John Wiley & Sons, Inc, New York (1979).
9. **Greenough WB III.** Principles and prospects in the treatment of cholera and related dehydrating diarrheas. in: Ouchterlony O, Holmgren J ed. Cholera and related diarrheas, 43rd Nobel Symposium, Stockholm. 1978. Basel, Karger. 1980:211-218.
10. **Greenough WB III.** Oral replacement therapy in diarrhea: consensus and controversy, in: Field M, Fordtran JS, Schultz SG ed: Secretory diarrhea. Baltimore MD. Amer Physiol Society. 1980:179-186.
11. **Greenough WB III** and Hendrix TR. Pharmacologic and other non-immunological approaches to improved treatment and prevention of enterotoxic enteropathies. in: Ouchterlony O, Holmgren J eds. Cholera and related diarrheas; molecular aspects of a global health problem; 43rd Nobel Symposium, Stockholm, 6-11 Aug 1978. Basel, Karger. 1980:234:44.
12. Holmgren J and **Greenough WB III.** Reversal of enterotoxin diarrhea by chlorpromazine and related drugs. in: Field M, Fordtran JS, Schultz SG ed: Secretory diarrhea. Baltimore, MD. Amer Physiol Society. 1980:211-218 (Chapter 16).
13. **Greenough WB III** and Joo I. Problems of intestinal immunity. in: Holme T, Holmegren J, Merson MH, Mollby R eds. Acute enteric infections in children: New Prospects for Treatment and Prevention. Amsterdam, Elsevier. 1981:523-31.
14. **Greenough WB III.** The use of antibiotics and other pharmaceutical agents in the treatment of diarrhoea-when are they necessary? in: Holme T, Holmgren J, Merson MH, Mollby R eds. Acute enteric infections in children: new prospects for treatment and prevention. Amsterdam, Elsevier. 1981:523-31.
15. **Greenough WB III.** Vaccine development. in: Holme T, Holmgren J, Merson MH, Mollby R eds. Acute enteric infections in children: new prospects for treatment and prevention. Amsterdam, Elsevier. 1981:341-54.
16. Holmgren J and **Greenough WB III.** New perspectives in the treatment and prophylaxis of diarrheal diseases. in: Holme T, Holmgren J, Merson MH, Mollby R eds. Acute enteric infections in children: new prospects for treatment and prevention. Amsterdam, Elsevier. 1981: 341-54.

17. Chandra RK, **Greenough WB III**, Guerrant RL, Martorell R, Mata LJ, Warren KS and Wu CC. Diarrhoea and malnutrition research priorities. In: Chen LC, Scrimshaw NS eds. Diarrhoea and malnutrition: interactions, mechanisms, and intervention. New York: Plenum. 1983:305-8.
18. Monsur KA and **Greenough WB III**. Cholera. in: Conn RB ed. Current Diagnosis (1983).
19. **Greenough WB III**. Cholera. in: Conn RB ed. Current Therapy (1984).
20. **Greenough WB III**. Specific Public Health Measures. in: Good Health at Low Cost, Halstead SB, Walsh JA, Warren KS eds. The Rockefeller Foundation New York NY (1985) pp 215-219.
21. Glass, RI, Khan, MR, **Greenough WB III** and Holmgren, J. "The use of family studies for prospective epidemiologic investigations of cholera." p 25. in: "Advances in Research on Cholera and Related Disorders, 3," eds, Kuwahara S, and Pierce, NF p 25-33 (1986) by KTK Scientific Publishers, Tokyo, Japan.
22. **Greenough WB III**. "Cholera". in: Conn's Current Therapy p 41-43. Rakel, R ed. Publ. W B Saunders, Philadelphia PA (1986).
23. **Greenough WB III**. Status of Cereal-based Therapy. in: Symposium Proceedings Cereal-Based Oral Rehydration Therapy: Theory and Practice. Dale C & Northrup RS Eds. International Child Health Foundation, Columbia MD. 29-32 (1987).
24. **Greenough WB III**. Status of cereal-based oral rehydration therapy. in: Symposium Proceedings Cereal-based Oral Rehydration Therapy Theory and Practice. Nat Acad Sci (17 Feb 1987) Publ by International Child Health Foundation PO Box 1205, Columbia MD 21044.
25. **Greenough WB III** and Molla AM. Oral rehydration therapy (ORT): present and future. In Vibrio Cholerae and Cholera. pp 117-127. Takeda Y, Kuwahara eds. KTK Scientific Publishers. Tokyo (1988).
26. **Greenough WB III**. Cholera. in: Principles and Practice of Infectious Disease. Mandell GL, Douglas RG, Bennett JE Eds. 3rd Edition, pp 1636-1646, Churchill Livingstone Inc, New York NY. 10036 (1990).
27. **Greenough WB III** and Bennett RG. Diarrhea in the elderly. in: Principles of Geriatric Medicine and Gerontology, 2nd Edition. Hazzard WR, Andres R, Bierman EL, Blass JP Eds. pp 1168-1176 McGraw Hill Book Co. New York NY (1990).
28. Field M, **Greenough WB III**, Molla AM, Hirschhorn N, Rolston D and Pierce NF. Biomedical aspects of oral rehydration therapy: discovering new dimensions and potentials. in: Report of the International Symposium on Cereal Based Oral Rehydration Therapy, Aga Khan Foundation and International Child Health Foundation (1990): 23-30.
29. Rabbani G and **Greenough WB III**. Cholera. in: Textbook of Secretory Diarrhea. Ed: Lebenthal E and Duffey M, Raven Press pp 233-253, Chap 17 (1990).
30. **Greenough WB III** and Khin-Maung-U. Oral Rehydration Therapy in: Diarrheal Diseases. Ed. Field M, Elsevier Science Publishing pp 485-99, Chap 21 (1991).

31. Denman S, **Greenough WB III** and Burton JR. Genitourinary Infections. in: Principles of Ambulatory Medicine, 3rd Ed, Williams & Williams; pp 291-303, Chap 27 (1991).
32. Santosham M and **Greenough WB III**. Treatment of Dehydration and Oral Rehydration Therapy. in: Diarrhea. Ed: Gracey M, CRC Press, London. pp 185-209, Chap 8 (1991).
33. **Greenough WB III**. Cholera. in: Cecil Textbook of Medicine. 19th edition. Ed. Wyngaarden JB, Smith Jr LH, Bennett JC. WB Saunders, Phil PA. pp 1699-1701 (1992).
34. Santosham M, Duggan C, Brown KH, **Greenough WB III**. Management of acute diarrhea. in: Pediatric Gastroenterology: Pathophysiology, Diagnosis, Management. Ed: Wyllie R and Hyams J, WB Saunders Co, Phil PA, Chap 85 (1993).
35. **Greenough WB III**, Bennett RG. Diarrhea in the elderly. in: Principles of Geriatric Medicine and Gerontology, 3rd edition. Hazzard WR, Bierman EL, Blass JP, Ettinger WH, Halter JB eds. McGraw Hill Book Co. New York NY. pp 1275-1284 (1994).
36. **Greenough WB III**. Vibrio Cholerae and Cholera. in: Principles and Practice of Infectious Disease. Mandell GL, Bennett JE, Dolin R Eds. 4th Edition. Churchill Livingstone Inc, New York NY. 10036. pp 1934-1945 (1995).
37. **Greenough WB III**. Cholera. in: Cecil Textbook of Medicine. 20th edition. Ed. Bennett JC, Plum F. WB Saunders, Phil PA. pp 1652-1654 (1995).
38. **Greenough WB III**. Information victorious: Bangladesh information center 1971-72. in: American response to the bangladesh liberation war. Ed. Muhith, AMA University Press, Ltd. Dhaka, Bangladesh. pp 388-389 (1996).
39. **Greenough WB III**. Vibrio Cholerae and Cholera in Principles and Practice of Infectious Diseases. Mandell GL, Bennett JE, Dolin R Eds. 5<sup>th</sup> Edition. Churchill Livingstone Inc., New York NY. 10036. 1999.
40. **Greenough WB III**. "Cholera" in: Cecil Textbook of Medicine 20<sup>th</sup> Edition. Bennett JC, Plum F, Saunders WB, Phil PA. pp 1690-1693 (1999)
41. Bennett RG, **Greenough WB III**. Diarrhea in The Elderly in: Principles of Geriatric Medicine and Gerontology 4<sup>th</sup> Edition. Eds. Hazzard WB, Blass JP, Ettinger WH Jr, Halter JB and Ouslander JG. McGraw Hill Book Co. New York NY. pp 1507-1517 (1999).
42. **Greenough WB III**. "Cholera" in: Cecil Textbook of Medicine 22<sup>nd</sup> Edition. Ed, L. Goldman, D. Ausiello. Philadelphia, PA. Chapter 328, p 1858-1861 (2003).

#### **Book Reviews:**

1. Imperato, "A Wind in Africa. A Story of Modern Medicine in Mali". In: Ann Intern Med. 84:629 (May 1976).
2. Ewald PW, "Evolution of Infectious Disease". In The Quarterly Review of Biology. 69;3:432-433

(Sept 1994).

**Book Series (Editor):**

1. **Greenough WB III** and Merigan TC. Topics in Infectious Disease Plenum. The Atypical Mycobacteria and Human Mycobacteriosis by John S. Chapman (1977) 200 p.
2. **Greenough WB III** and Merigan TC. Infections of the Gastrointestinal tract: microbiology, pathophysiology and clinical features, by Herbert L. Dupont and Larry K Pickering. New York, Plenum Medical Book (1980) 273 p.
3. **Greenough WB III** and Merigan, TC. Topics in Infectious Disease Plenum. Coccidioidomycosis: a text, David A. Stevens. New York, Plenum Medical Book (1980) 279 p.
4. **Greenough WB III** and Merigan TC. Topics in Infectious Disease Plenum. Cytomegalovirus: biology and Infection, by Monto Ho. New York, Plenum Publishing Corporation (1982) 275 p.
5. **Greenough WB III** and Merigan TC, Series ed. Current Topics in Infectious Disease. Infective endocarditis and other intravascular infections. Lawrence R. Freenman, New York:Plenum (1982) pg 260.
6. **Greenough WB III** and Merigan TC, Series ed. Current Topics in Infectious Disease. Plaque and other Yersinia infections, by Thomas Butler. New York: Plenum (1983) 220 p.
7. **Greenough WB III** and Merigan TC. Series ed. Blastomycosis, by Yousef Al-Doory and Arthur F. DiSalvo. New York, Plenum (1992) 268 p.
8. **Greenough WB III** and Merigan TC. Series ed. Cholera, by Dhiman Barua and William B. Greenough III. New York Plenum (1992).

**Proceedings Editor:**

1. Rahaman MN, **Greenough WB III**, Novak NR, Rahman S, eds. Shigellosis: a continuing global problem; proceedings of an International Conference, Cox's Bazar, Bangladesh, 15-20 June 1981. Dhaka: ICDDR,B, Sept 1983. ii: 250 p.
2. Elliott K, Attawell K, Wilson R, Hirschhorn N, **Greenough WB III** and Khin-Maung-U. Report of the International Symposium on Cereal Based Oral Rehydration Therapy. 12-14 Nov 1989, Aga Khan University, Karachi Pakistan; published by Aga Khan Foundation and International Child Health Foundation (1990).

**Patents:**

"Seal Means for Blood Separator and the Like" U.S. Patent No. 3,519,301 July 7, 1970.

**Certification:**

National Boards	1958
New York State Medical License	1959
State of Maryland Medical License	1967
American Board of Internal Medicine passed written exam (last year orals required for certification missed exam never offered again).	1968
Bangladesh Medical License	1977

**Scientific and Professional Societies:**

Phi Beta Kappa  
Alpha Omega Alpha  
American Federation for Clinical Research  
Infectious Diseases Society of America  
American Society for Microbiology  
American Society for Clinical Investigation  
Fellow of American College of Physicians  
International Epidemiological Association  
Bangladesh Association for Advancement of Science  
Bangladesh Medical Society  
Association of American Physicians  
Fellow, American Association for the Advancement of Science  
American Geriatrics Society  
Maryland Gerontological Association

**Biographical Listings:**

Who's Who in the East  
Who's Who in Science and Engineering  
Who's Who in America  
Who's Who in the World  
American Men and Women of Science  
Who's Who in Medicine and Healthcare

**Awards:**

UNICEF Gold Medal for East Asia and Pakistan	1983
King Faisal International Prize in Medicine	1984
UNICEF Maurice Pate Prize (ICDDR,B) 1984	
W.B. Greenough Award for Excellence in Research/BRAC Student Award	2006
<b><u>Honors &amp; Invited Lectureships:</u></b>	
Daniel V. Kimberg Memorial Lecture Columbia University College of Physicians and Surgeons, New York	1986
Visiting Professor, Montefiore Hospital University Health Center of Pittsburgh, November 5	1987
Keynote address, 60th annual meeting (Diamond Jubilee) British Paediatric Association. York University, York, U.K.	1988
Lichman Oration Brown University, Providence, Rhode Island	1989
Keynote Speaker, 2nd Aga Khan University Convocation. Karachi, Pakistan, November 11	1989
Keynote Speaker, International Symposium on Food-Based Oral Rehydration Therapy. Aga Khan University, Karachi, Pakistan, November 12	1989
Chairman Introduction to Host Factors in Resistance to Infectious Diarrhea, Immunologic Mechanisms International Union of Microbiological Societies Medical Microbiology Interdisciplinary Commission (MEMIC) Osaka, Japan	1990
Invited Speaker to Conference North-South Center, U. of Miami, Florida "Confronting Cholera" The Development of a Hemispheric Response to the Epidemic	1991
Presentation to the LA Society of Internal Medicine St. Mary Medical Center, Long Beach, California, April 23	1992
Visiting Professor Annual William Smith Visiting Lectureship St. Mary Medical Center, Long Beach, California, April 24	1992
CME Lecture Series Speaker on Cholera Sherman Oaks Medical Center, Los Angeles, California, June 18 1992	

- Fourth James Bordley, III Memorial Lecture  
The Mary Imogene Bassett Hospital  
Cooperstown, New York, September 25-27 1992
- Faculty Member for third annual symposium  
Care of the Aging Patient  
"Diarrhea and Dehydration"  
"Methicillin Resistant Staph Aureus"  
Erlanger Medical Center and Siskin Hospital for Physical Rehabilitation  
Chattanooga, Tennessee, October 1-2 1992
- Guest Speaker, Science and Medicine in the 21st  
Century - A Global Perspective  
The King Faisal Foundation in association with the  
Royal Society, "Science Leads to a Simple Solution"  
London, England, December 15 -16 1992
- Annual Lecture, Second Annual Scientific Conference  
International Centre for Diarrhoeal Disease  
Research, Bangladesh, "A Simple Solution"  
Dhaka, Bangladesh, January 16-18 1993
- Keynote Speaker, First Annual Convention  
Bangladesh Gastroenterology Society  
"Bangladesh Pioneers in the Diagnosis  
and Treatment of Diarrhoeal Diseases"  
Dhaka, Bangladesh, February 13-14 1993
- Panelist, Amherst College Reunion  
"Terras Irradiant: the Foreign Connection"  
Amherst, Massachusetts, May 26-30 1993
- Infectious Diseases Lecture Series  
University of Massachusetts, Worcester, Massachusetts, March 16 1994
- Grand Rounds  
University of Texas, San Antonio, Texas, April 6 1994
- Grand Rounds  
Holy Cross Hospital, Silver Spring, Maryland, April 19 1994
- Guest Speaker  
Wound Ostomy and Continence Nurses Society  
26th Annual Conference, Baltimore, Maryland, June 22 1994
- Fecal Incontinence  
Hollister, Philadelphia, Pennsylvania, September 29 1994

- Volume Depletion in the Elderly  
Greater Southeast Community Hospital, Washington, D.C., November 16 1994
- Topics in International Travel and Tropical Health  
Corporate Council of International Health  
"Plague"  
Baltimore, Maryland, November 18 1994
- Visiting Professor in Geriatrics  
Biannual Medical Conference  
Hospital Civil de Guadalajara, Guadalajara, Mexico, December 5 - 7 1994
- Guest Lecturer  
Antibiotics and Diarrhea  
ICDDR,B, Dhaka, Bangladesh, August 13 1995
- Howard Florey Memorial Lecture  
University of Adelaide  
Adelaide, Australia, October 5 - 15 2001
- Pressure Ulcer Prevention and Care  
AGS Annual Scientific Meeting  
Baltimore, MD, May 17 2003
- Guest Speaker  
31<sup>nd</sup> Annual Current Topics in Geriatrics  
"Diarrheal Disease and Hypovolemia"  
Baltimore, MD, Oct. 2003
- Guest Speaker  
Maryland Adult Association for Daycare Conference  
"Nutrition, Tube Feedings, and Skin Integrity in the Older Population"  
Timonium, MD, Oct 2003
- Guest Speaker  
Conference - Development of Academic Programs in Geriatric Medicine  
"Diarrhea & Hypovolemia in the Elderly"  
Guadalajara, Mexico, April 27 - 30 2004
- Guest Speaker  
32<sup>nd</sup> Annual Current Topics in Geriatrics  
"Diarrhea"  
Baltimore, MD, October  
2004
- Guest Speaker

Nutrition and End of Life Decisions “Water, Salts, Food & Life Itself” GEC Program, Easton, MD, March 24	2005
Guest Panelist Medicare Coverage Advisory Committee “Wound Care Treatments” Baltimore, MD, March 29	2005
Guest Speaker Conference – Clinical and Epidemiological Management of Acute Diarrheal Illness “Organization of Care for Acute Diarrhea in Hospitals” “Septic Shock” “Management of Diarrhea in Young and Old” San Jose, Costa Rica , November	2005
Guest Speaker 33 <sup>rd</sup> Annual Current Topics in Geriatrics “Epidemic Pressure Sores and the Healing Art” Baltimore, MD, February	2006
Guest Speaker Donald W. Reynolds Mini-Fellowship Training Program “Management of Gastroenteritis Among Frail Elderly Individuals” “Pressure Ulcers” Baltimore, MD, May	2006
<b><u>Media Presentations:</u></b>	
20/20 ABC Oral Rehydration Therapy	1984
Nova WGBH Boston Public Television Child Survival	1985
Oral rehydration therapy: a progress report. New Horizons, Voice of America	1988
Oral rehydration therapy. Live at Five. Channel 4 TV, Washington D.C.	1988
Oral rehydration therapy. Press conference at The National Press Club, Washington D.C. Sponsored by The International Child Health Foundation and Results	1988
National Oral Rehydration Therapy Project Press Conference, Rayburn Bldg, 8 February	1990
Oral Rehydration Therapy "Satellite Tour" Brown and Power, NYC	1990

Video  
UNICEF - 25th Anniversary of ORT 1994

Video  
Managing Medications for Older Adults During  
the Cold and Flu Season, September 23 1994

**Interviews:**

1. Shannonhouse R: Other risks of air travel. Bottom Line Health 16:2, 2002.
2. McGrane S: A simple solution. Johns Hopkins Public Health 15-19, Spring 2003.