

CURRICULUM VITAE

SIR GEORGE ALLEYNE, M.D., F.R.C.P., F.A.C.P. (Hon.), (D. Sc. Hon.), O.C.C.
Director Emeritus of the Pan American Sanitary Bureau

PAN AMERICAN HEALTH ORGANIZATION
Pan American Sanitary Bureau • Regional Office of the
WORLD HEALTH ORGANIZATION

Nationality

Barbadian

Civil Status

Married to Sylvan I. Chen; three children

Academic Studies and Degrees

Bachelor of Medicine and Surgery, University of London, London, England, 1957.

Doctor of Medicine (Postgraduate) University of London, London, England, 1965.

Fellow of the Royal College of Physicians, London, England, 1973.

Fellow of the American College of Physicians (Honorary), 1975.

Academic Experience

Professor of Medicine, University of the West Indies, Kingston, Jamaica, 1972-1981.

Chairman of the Department of Medicine, University of the West Indies, Kingston, Jamaica, 1976-1981.

First overseas examiner for Royal College of Physicians of London.

Sir Arthur Sims Commonwealth Travelling Professorship, teaching and lecturing at Universities and Royal Colleges in England, Scotland, Ireland and Canada, 1977.

Professor of Medicine Emeritus, University of the West Indies.

Committees, Responsibilities

Scientific Secretary, Commonwealth Caribbean Medical Research Council, 1965-1981.

Associate Dean, Medical Faculty, University of the West Indies, Kingston, Jamaica, 1969-1974.

Chairman, Vice **Chancellor's** Advisory Committee on Tropical Metabolism Research Unit, **University** of the West Indies, Kingston, Jamaica; 1990-1995.

Editor, **West Indian Medical Journal**, 1972-1975.

Advisory Committee to the Director (ADC) of the Centers for Disease Control and Prevention, Atlanta, Georgia, **1999-**.

Professorial Lecturer, School of Public Health and Health Services, **Department of International Public Health**, The George Washington University, Washington, D.C., U.S.A., **1997-**.

International

Served as a member of various international bodies, including as member of the Scientific and Technical Advisory Committee of the WHO Tropical Disease Research Program and the Institute of Medicine Committee on Scientific Investigation in Developing Countries and as member and chair of the **PAHO Advisory Committee on Medical Research, 1970-1993**.

In the Pan American Health Organization

Chief of the Research Unit, **1981-1983**.

Director of the Area of Health Programs Development, 1983-1990.

Assistant Director, 1990-1995.

Director of the **Pan American Sanitary Bureau, Regional Director of the World Health Organization, 1995-2003**.

He was elected in **1995** and unanimously reelected in 1998 for the second four year term. During the period of his directorship **there has been progress in health in the Americas that has** been set out in the **Annual Reports of the Director** and his **Quadrennial Reports**. The Regional approach derives from the focus of Health for All and the concept that **the twin value principles of equity and Pan-Americanism** should **guide their** execution.

Many of the formal documents of the **Organization and** the presentations of the **Director** describe **how** this has been done.

Director **Emeritus, 2003**

In the United Nations

Secretary-General Special Envoy for HIV/AIDS in the Caribbean, 1 February **2003**.

Awards

Pelican Award of the Guild of Graduates of the University of the West Indies, Kingston, **Jamaica, 1978**.

Award of **Excellence in** the Natural and Applied Sciences, **Jamaican Scientific Association, Kingston, Jamaica, 1979**.

Centenary Medal of Jamaica, Kingston, Jamaica, 1980.

Jamaica Medical Association Award for Distinguished Service, Kingston, Jamaica, 1981.

Special Award of the University of **the West Indies** for Medical Alumni, **Kingston, Jamaica, 1988**.

Pelican Award **of the** Washington Chapter of the University of the West **Indies** Alumni, **Washington, D.C., United States of America, 1991.**

Award of the Barbados National Association, Washington, D. C., United States of America, **1991.**

University of the West Indies Medical Alumni Award for Outstanding Service to Medicine and Distinguished Contribution to the University of the West Indies, 1993.

Achievement Award of the Caribbean Associations of Organizations, Washington, D. C., **United States of America, 1995.**

Special Recognition Medal in Public Health, Ministry of Health, **Asunción, Paraguay, 1995.**

Commemorative Medal of the IV Centenary of the National Autonomous University of Mexico, Mexico City, Mexico, February 1996.

Commemorative Medal of the **142nd** Anniversary of **the Asociación Española Primera de Socorros Mutuos**, Montevideo, Uruguay, 1996.

Commendation for Professional Merit, awarded by the Collegiate Nursing Organization, **General Council of Nursing Diplomates Associations, Madrid, Spain, 1996.**

Award for Outstanding Contribution to Public Health and Human Development, The George Washington University, **Washington, D.C., United States of America, 1998.**

Honorary Member, Inter-American Association of Sanitary and Environmental Engineering (**AIDIS**), **Lima, Peru, 1998.**

Award for Excellence in International Health and Human **Rights, Alumni and Community Affairs**, Department of Epidemiology and Public Health, **Yale** University, New Haven, Connecticut, U.S.A., **1999.**

Archon Award of the Sigma Theta Tau International Honor Society of Nursing, Westminster, London, England, U.K., 1999.

Pinnacle Award of the National Coalition on Caribbean Affairs (NCOCA), Washington, D.C., October **2000**

Academic Honors

Doctor of **Science • Honoris Causa**, University of the West Indies, Kingston; **Jamaica, 1989.**

Professor • **Honoris Causa**, San **Marcos** National University, Lima, Peru, i 998.

Doctor of Public Service, *Doctor Beneficiorum Publicorum, Honoris Causa*, Edinboro University of Pennsylvania, December 2000

Honorary Degree of Doctor of Laws, Queen's University of Kingston, Kingston, **Ontario**, Canada, May 2001

Professor • **Honoris Causa**, "Instituto Univesitario de la **Fundación ISALUD**," Buenos Aires, **Argentina**, August 2001

Decorations

Knight Bachelor by her Majesty Queen Elizabeth II in her New Year's **Honours** for services to medicine, London, England, United Kingdom, **1990**

Caballero de la Orden de la Academia Nacional de Medicina, National Academy of Medicine, **Bogotá, Colombia, 1996.**

Medalla de la República Oriental del Uruguay en el Grado de Comendador, Montevideo, Uruguay, **1996.**

Orden Nacional 'Al Mérito' en el Grado de Gran Oficial, Quito, Ecuador, 1996,

Order of the Caribbean Community (**O.C.C.**) conferred during the Twelfth Inter-Sessional **Meeting** of the Conference of Heads of State and Government of the Caribbean Community, Barbados, **February 2001.**

Orden Heráldica de Cristóbal Colón en el Grado de Gran Oficial, Santo Domingo, Dominican Republic, February 2002.

Honor al **Mérito de Salud Pública**, Asunción, Paraguay, March 2002.

Orden Hipólito Unanue en el Grado de Gran Oficial, Lima, Peru, July 2002.

Orden de Mayo al Mérito en el Grado de Gran Cruz, Buenos Aires, Argentina, September 2002.

Grau de Gra-Cruz da Orden Nacional do Cruzeiro do Sul, Rio de Janeiro, Brazil, **October 2002.**

Orden de la Cruz Del Sur en el grado de Collar, Santiago, Chile, **October 2002.**

Orden Civil "José Cecilio del Valle" en el Grado de Caballero, Tegucigalpa, Honduras, October 2002.

Orden de Vasco Nunez de Balboa, Panama, Panama, 2001

Memberships

Member of the Medical Council of Jamaica, Kingston, Jamaica, **1977-1 981.**

Member of Council, **University** of the West Indies, **1997-.**

Honorary Member, **Asociación Interamericana de Ingeniería Sanitaria y Ambiental (AIDIS)**, Lima, Peru, November 1998

Johns Hopkins School of Public Health Advisory Board, Baltimore, Maryland, U.S.A., 1997-2002.

Board of Directors, The Centre for Development and Population Activities (CEDPA), June 2000

Foreign Associate Membership in the Institute of Medicine of the National Academy of Sciences, Washington, D.C., October 2001

Publications

1. Alleyne, G.A.O. & Went, **L.N.** (1959). Sickling and **Haematuria**. W. I. Med. J. **8**, 171-1 78.
2. Alleyne, G.A.O. (1962). Disease patterns in West Indian Immigrants. Medical World **92**, 22-26.
3. Alleyne, G.A.O. et al (1963). Effect of Pronethalol in Angina Pectoris. Brit. Med. J. **ii**, 1226-1 229.
4. Alleyne, G.A.O. (1964). The mode of action of Triamterene. W.I. Med. J. **13**, 244-25-1.
5. Picou, D., Alleyne, G.A.O. & **Seakins, A.** (1965). **Hydroxyproline** and creatinine excretion in infantile protein malnutrition. **Clin. Sci.** 29, 517-523.
6. Alleyne, G.A.O. (1966). Cardiac function in severely malnourished Jamaican children. Clin. Sci. **30**,553562.
7. Alleyne, G.A.O. (1966). Plasma and blood volumes in severely malnourished Jamaican children. Arch. **Dis. Childh.** **41**, 313-315.
8. Alleyne, G.A.O. (1966). The excretion of water and **solute by** malnourished children. W.I. Med. J. **15**, 150-1 54.
9. Alleyne, G.A.O. & Young, V.H. (1966). Adrenal function in malnutrition. Lancet **i**, **91** t-91 2.
10. Alleyne, G.A.O. & Young, V.H. (1966). Synacthen as a test of **adrenocortical** reserve in children. Lancet **11**, 503.
11. Waterlow, **J.C.**, Alleyne, **G.A.O.**, Chan, H., **Garrow, J.S.**, Hay, A.M., James, P., Picou, D. & Stephen, J.M.L. (1966). **Observations** on the mechanisms of adaptation to low protein intakes. **Archivos Latinoamericanos de Nutrición**, XVI, 175-200.
12. Alleyne, G.A.O. (1967). The effect of severe protein calorie malnutrition on the renal function of Jamaican children. Pediatrics, 30, **400-41** 0.
13. Alleyne, G.A.O. & Young, V.H. (1967). **Adrenocortical** function in children with severe protein calorie malnutrition. Clin. Sci. 33, **189-200**.
14. Alleyne, G.A.O. (1968). Studies on total body potassium in infantile malnutrition. The **relation to body** fluid spaces and **urinary** creatinine. **Clin. Sci.** 34, 199-209.
15. Nichols, B.L., Barnes, D.J., Ashworth, A., Alleyne, G.A.O., Hazelwood, **C.F.**, & Water-low, J.C. (1968). Relationship between total body and muscle respiratory rates in infants with malnutrition. Nature **217**,475476.
16. Alleyne, G.A.O. (1968). Concentrations of metabolic **intermediates** in kidney **of** rats with **metabolic** acidosis. Nature **217**, 847-848.
17. **Ho Ping** Kong, H. & Alleyne, G.A.O. (1968). Defect in urinary acidification in adults with sickle cell **anaemia**. Lancet **ii**, 954-955.
18. Ho Ping Kong, **H. & Alleyne, G.A.O.** (1969). Acid base status of adults with sickle cell anaemia. **Brit Med. J.**, **ii**, **271-273**.
19. Nichols, B.L., Alleyne, **G.A.O**, Barnes, **D.J.** & Hazelwood, **C. F.** (1969). **Relationship of** muscle potassium to total body potassium in malnutrition. **J. Pediat.** **74**, 49-57.

20. **Alleyne, G.A.O. & Scullard, G.H. (1969). Renal metabolic response to acid base changes. I. Enzymatic control of ammoniogenesis in the rat. J. Clin. Invest. 48, 364-370.**
21. Alleyne, G.A.O. & Scullard, G.H. (1969). Blood keto acids in malnutrition. *American J. Clin. Nutr.* **22**, 1139-1141.
22. Alleyne, **G.A.O., Halliday, D., Waterlow, J.C. & Nichols, B.L.** (1969). Chemical composition of organs of children who died from malnutrition. *Brit. J. Nutr.* **23**, 783-790.
23. **Alleyne, G.A.O. & Scullard, G.H. (1969). Alterations in carbohydrate metabolism in Jamaican children with severe malnutrition. Clin. Sci. 37, 631-642.**
24. **Alleyne, G.A.O., Millward, D.J., & Scullard, G.H., (1970). Total body potassium, muscle electrolytes and glycogen in malnourished children. J.Pediat. 76, 75-81.**
25. **Alleyne, G.A.O. (1970). Studies on total body potassium in malnourished infants. Factors affecting potassium repletion. Brit. J. Nutr. 24, 205-212.**
26. **Alleyne, G.A.O. (1970). Renal metabolic response to acid base changes 11. The early effects of metabolic acidosis on renal metabolism in the rat. J. Clin. Invest. 49, 943-951.**
27. Alleyne, G.A.O. (1970). Some features of infantile malnutrition in Jamaica. *W.I. Med. J.* **19**, 32-36,
28. **Alleyne, G.A.O. (1970). The metabolic- control of ammonia production. Symposia of 4th International Congress of Nephrology 1, 206-212. S.Karger, Basle.**
29. **Alleyne, G.A.O., Fraser, H.L. & Besterman, H.S. (1970). Some effects of metabolic acidosis on carbohydrate metabolism in the rat. Clin Sci 39, 375-382.**
30. **Alleyne, G.A.O., Viteri, F. & Alvarado, J. (1970). Indices of body composition in infantile malnutrition. Total body potassium and urinary creatinine. Amer.J. Clin. Nutr. 23, 875-878.**
31. **Waterlow, J.C., & Alleyne, G.A.O. (1971). Protein malnutrition in Children. Advances in knowledge in the last ten years. Advances Protein Chem. 25, 117-241.**
32. **Alleyne, G.A.O., Besterman, H.S., & Flores, H. (1971). The effect of phenylethyl biguanide in vivo and in vitro on gluconeogenesis and ammonia production in rats. Clin. Sci. 40, 107-115.**
33. **Flores, H. & Alleyne, G.A.O., (1971). Phosphoenolpyruvate carboxykinase of kidney: subcellular distribution and response to acid base changes. Biochem. J. 123, 35-39.**
34. **Alleyne, G.A.O., & Picou D. (1971). Malnutrition in children: some biochemical facets. Brit. J. Hosp. Med. 8, 613-624.**
35. **Grell, G., Ho Ping Kong, H., Ragbeer, MS., Barrow, O., Ward, E.E., & Alleyne, G.A.O. (1971). Peritoneal dialysis in severe leptospiral renal failure. W.I. Med. 3.20, 76-82.**
36. **Ho Ping Kong, H., & Alleyne, G.A.O. (1971). Acid excretion in adults with sickle cell anemia. Clin. Sci. 41, 505-518.**
37. **Whitehead, R.G. & Alleyne, G.A.O. (1971). Pathophysiological factors of importance in protein calorie malnutrition. Brit. Med. Bull. 28, 72-79.**
38. **Alleyne, G.A.O. (1972). Some effects of drugs on metabolism of the renal cortex. In Drugs and the Kidney. Ed. K.D.C. Edwards 189-218, S. Karger, Basle.**

39. **Alleyne, G.A.O., Flores, H., Picou, D., Waterlow, J.C. (1972).** Metabolic changes in children with protein calorie malnutrition. In "Nutrition and Development" **207-238**, Ed. M. Winick. John Wiley & Sons.
40. Alleyne, G.A.O., **Trust, P.M., Flores, H., Robinson, H.M. (1972).** Glucose tolerance and insulin sensitivity in malnourished children. **Brit. J. Nutr.** 27, 585-592.
41. Miller, C.G., Alleyne, G.A.O. & Brooks, **S.E.H. (1972).** A case of type iii glycogenesis with gross cardiac involvement. **Brit. Heart Journal** 34, 862-864.
42. Roobol, A. & Alleyne, G.A.O. (1972). A study of stabilization of gluconeogenic activity in rat liver slices by calcium and manganese ions. **Biochem. J.** 129, 231-239.
43. Longshaw, I.D., Alleyne, G.A.O., & **Pogson, C.I. (1972).** The effect of steroids and Ammonium chloride acidosis on phosphoenolpyruvate carboxykinase in rat kidney cortex ii. The kinetics of enzyme induction. **J.Clin. Invest.** 51, 2284-2291.
44. Roobol, A. & Alleyne, G.A.O. (1972). Regulation of renal gluconeogenesis by calcium ions, hormones and adenosine 3-5 cyclic monophosphate **Biochem J.** 134, 157-165.
45. **Klahr, G. & Alleyne, G.A.O., (1972).** Effects of chronic protein calorie malnutrition in the kidney. **Kidney International** 3, 129-141.
46. Alleyne, G.A.O., Flores, H. & **Robol, A. (1972).** The inter relationship of the concentration of hydrogen ions, bicarbonate ions, carbon dioxide and calcium ions in the regulation of renal gluconeogenesis in the rat. **Biochem J.** 136, 445-453.
47. Alleyne, G.A.O. & **Robol, A. (1974).** Regulation of renal cortex ammoniogenesis. Stimulation of renal cortex ammoniogenesis in vitro by plasma isolated from acutely acidotic rats. **J. Clin. Invest.** 53, 117-121.
48. Fraser, H.S., & Alleyne, G.A.O. (1974). The effect of malnutrition on the pattern of growth in the rat **kidney** and the renal response to acidosis. **Brit. J. Nutr.** 31, 113-124.
49. Roobol, A., & Alleyne, G.A.O. (1974). Changes in lysosomal **hydrolase activity** associated with malnutrition in young rats. **Brit. J. Nutr.** 32, 189-196.
50. Roobol, A., & Alleyne, G.A.O. (1974). Control of renal cortex ammoniogenesis and its relationship to renal cortex gluconeogenesis. **Biochem. Biophys. Acta.** 362, 83-91.
51. Fraser, H.S., Liburd, A.L., Figueroa, J.P., Nicholson, G.D., James, O.-B., Whitbourne, F. & Alleyne, G.A.O. (1974). Gonococcaemia with arthritis, dermatitis and myocarditis. **Postgrad. Med. J.** 50, **759-764**.
52. Alleyne, G.A.O., & Roobol, A. (1975). Renal metabolic processes and acid **base changes**. **Medical Clinics of N. America** 59, 781-795.
53. Alleyne, G.A.O., Statius Van Eps., L.W., Addae, S.K., Nicholson, G.D., & Schouten, H. (1975). The Kidney in Sickle Cell Anaemia. **Kidney International** 7, 371-379.
54. Alleyne, G.A.O. (1975). Mineral Metabolism. In "Protein Calorie Malnutrition," 201-212 ed. R.E. Olson, The Nutrition Foundation.
55. Bennett, F.I., Alexander, R.E., Roobol, A., **Alleyne, G.A.O., (1975).** Effect of starvation on renal metabolism in the rat. **Kidney International** 7, 380-384.

56. Wilson, **W.A.**, & Alleyne, G.A.O. (1975). Renal function during painful sickle cell crisis. *West Ind. Med. J.* **24**, 84-89.
57. Nicholson, **G.D.**, Amin, U.F., & Alleyne, G.A.O. (1975). Membranous glomerulopathy with crescents. *Clinical Nephrology* **4**, 198-201.
58. Wilson, W.A., Nicholson, **G.D.**, Hughes, **G.R.V.**, Amin, S., Alleyne, G.A.O. & Serjeant, **G.R.** (1976). Systemic lupus erythematosus and sickle cell anaemia. *Brit. Med. J.* **1**, 813.
59. Donaldson, E.K., Patrick, J. Sivapragasam, S., Woo Ming, **M.O.**, & Alleyne, G.A.O. (1976). The effect of triamterene on leucocyte sodium and potassium levels in heart disease. *Brit. Med. J.* **1**, 1254-1 256.
60. Bennett, F.I., & Alleyne, G.A.O. (1976). Gluconeogenesis and ammoniogenesis in rat kidney The effect of 3 mercaptopicolinic acid. *FEBS Letters*, 64,215219.
61. Morrison, E.Y., & Alleyne, G.A.O. (1976). Malnutrition, kidney size and composition. *Arch. Latin. Nutr.* **26**, 7-14.
62. Pogson, C.I., Longshaw, I.D., Roobol, A., Smith, S.A. & Alleyne, G.A.O. (1976). Phosphoenolpyruvate carboxykinase and renal gluconeogenesis. In "Gluconeogenesis: its regulation in mammalian species," Eds. **R.W.Hanson** and M.A.Mehlman, John **Wiley & Sons**.
63. McFarlane-Anderson, N., Bennett, **F.I.**, & Alleyne, G.A.O. (1976). Ammonia production by the small intestine of the rat. *Biochem. Biophys. Acta.* **437**, 238-243.
64. Wilson, W.A. & Alleyne, G.A.O. (1976). Total body water, extracellular fluid and plasma volume compartments in Sickle Cell Anaemia. *West Ind. Med. J.* **25**, 241-250.
65. Alleyne, G.A.O. & Wren, M. (1976). A History of the Commonwealth Caribbean Medical **Research Council 19564 976**. The Commonwealth Caribbean Medical Research Council.
66. **McFarlane-Anderson**, N. & Alleyne, G.A.O. (1977). The effect of metabolic acidosis on glutamyltranspeptidase activity in rat kidney. *FEBS Letters* 79, **51-53**.
67. Forrester, T.E. & Alleyne, G.A.O. (1977). Excretion of salt and water by patients with sickle cell anaemia: effect of a diuretic and solute diuresis. *Clin. Sci. & Mol. Med.* **53**, 523-527,
68. **Amin**, U.F., Nicholson, **G.D.**, Ragbeer, **M.M.S.** & Alleyne, G.A.O. (1978). Lupus nephritis in **Jamaica**. *West Ind. Med. J.* **27**, 49-59.
69. Fine, A., Benentt, **F.I.** & Alleyne, G.A.O. (1978). The effects of acute acid base alterations on glutamine metabolism and renal ammoniogenesis in the dog. *Clin. Sci. & Mol. Med.* **54**, **503-508**.
70. Alleyne, G.A.O., Bennett, F.I., **McFarlane-Anderson**, N., & Hawthorn, J. (1978). Glutamine metabolism and the relationship of ammoniogenesis to gluconeogenesis. 7th Int. Congress, Nephrology. Montreal, 173-1 81.
71. **Bennett**, F.I., & Alleyne, G.A.O. (1978). The effects of Inhibition of phosphoenolpyruvate carboxykinase on ammonia production by the rat kidney. *Renal Physiology* **i**, **147-153**.
72. Hawthorn, J., Alexander, J.A. & Alleyne, G.A.O. (1978). **The** effects of varying sodium concentration on the metabolism of glutamine by the renal cortex of the rat. *Renal Physiology*, **1**, **140-1 46**.
73. Bennett, **F.I.** & Alleyne, G.A.O. (1978). The effect of acute metabolic acidosis on the levels of some metabolic intermediates in the rat kidney. *Renal Physiology* **1**, 307-311.

74. Alleyne, G.A.O., Amin, U.F., & Nicholson, G.D. (1979). **Diffuse exudative proliferation in lupus nephritis**. West Ind. Med. J. 28, 142-147.
75. **McFarlane-Anderson, N. & Alleyne, G.A.O.** (1979). Transport of glutamine by rat kidney brush border vesicles. Its characteristics and the effect of **metabolic acidosis**. Biochem. J. 182, 295-300.
76. Bennett, F.I., **McFarlane-Anderson, N., & Alleyne, G.A.O.** (1979). The relationship of plasma **glutamine to renal metabolism** in acute acidosis. Biochem. **Med.** 22, 375-382.
77. Alleyne, G.A.O., Westerman, R.L., Nicholson, G.D., & Douglas, R. (1979). **Minoxidil in the treatment of severe and moderate hypertension**. **Proc.** 2nd Int. Cong. Hypertension, 86-91.
78. **Nicholson, G.D., Amin, U.F., Brooks, S.E.H. & Alleyne, G.A.O.** (1979). **End stage renal failure in Sickle Cell trait**. West Ind. Med. J. 328, 235-239.
79. **Alleyne, G.A.O., McFarlane-Anderson, N. & Scott, B.** (1980). Glutamine uptake by cortical **slices and luminal brush border** vesicles of rat kidney. Int. J. Biochem. 12, 99-102.
80. **Delapenha, R.A. & Alleyne, G.A.O.** (1980). The **bioavailability of potassium in bananas**. West Ind. Med. J. 29, 117-122.
81. **Alleyne, G.A.O.** (1980). **Medical Research in the Caribbean**. West Ind. Med. J. 29, 3-14.
82. Nicholson, G.D., Alleyne, G.A.O., Valdes, G., & Westerman, R.L. (1980). **Minoxidil in the management** of moderate hypertension. J. Cardiovasc. Pharm. 2, S242-S246
83. Forrester, T.E. & Alleyne, G.A.O. (1980). **Leucocyte electrolytes & sodium efflux rate constants in the hypertension of pre eclampsia**. Clin. Sci. 59, 199S-201 S.
84. **Grell, G.A.C., Alleyne, G.A.O. & Serjeant, G.R.** (1981). Blood pressure in adults with **Homozygous Sickle Cell Disease**. Lancet ii, 1166.
85. **Klahr, S. and Alleyne, G.A.O.** (1981). Nutrition and the **kidney**. In "The Kidney in Systemic Disease," 307-346, eds. W.N. Suki and G. Eknoyan. John Wiley & Sons, New York.
86. **Alleyne, G.A.O., McFarlane-Anderson, N., Lupiáñez, J.A., Hortelano, P. & Sanchez-Medina,** (1981). Metabolism of Ammonia in "Nitrogen Metabolism in Man," 169-184, eds. J.C. Waterlow & J.M.L. Stephen. Applied Science Publishers, London and New Jersey.
87. Alleyne, G.A.O., Barnswell, J., **McFarlane-Anderson, N., and Alexander, J.E.** (1981). Renal **ammoniogenic factor** in the plasma of rats with acute metabolic **acidosis**. **Am. J. Physiol.** 241, F112-F116.
88. Forrester T.E. & Alleyne, **G.A.O.** (1981). Sodium, potassium and rate constants for sodium **efflux in leucocytes** from hypertensive Jamaicans. Brit. Med.J. iii, 5-7.
89. **Grell, G.A.C., Alleyne, G.A.O., Robinson, H.M. and Anderson, M.** (1981). Treatment of **Jamaican hypertensives with atenolol and chlorthalidone**. West Ind. Med. J. 30, 124.
90. **Alleyne, G.A.O., Douglas, R., Forrester, T.E., Grell, G.A.C., Morgan, A.G., Nicholson, G.D. & Williams, W.** (1981). The effect of minoxidil in improving renal **function of patients with malignant hypertension**. West Ind. Med. J. 30, 149-152.
91. **McFarlane-Anderson, N. & Alleyne, G.A.O.** (1981). The effect of **maleate** on **glutamine metabolism** by rat kidney. Biochem. Med. 25, 149-159.

92. **Lupiáñez, J.A., Hortelano, P., Sánchez-Medina, R., Sanchez-Pozo, N., McFarlane-Anderson, N., Barnswell, J. & Alleyne, G.A.O. (1981).** The **mechanism of** the increase in renal ammoniogenesis in the rat with acute metabolic acidosis. *FEBS Letters*, **128**, 361-363.
93. **Alleyne, G.A.O., Lupiáñez, J.A., McFarlane-Anderson, N., Hortelano, P., Benjamin, J. & Scott, B. (1982).** Glutamine metabolism in metabolic acidosis in "CIBA Symposium 87, Metabolic acidosis" 101-1 **19. Pitman** Brooks Ltd., London.
94. **Alleyne, G.A.O. (1982).** British medicine in the Caribbean, *Brit. Med. J.* ii, 38-39.
95. **McFarlane-Anderson, N., Hortelano, P. & Alleyne, G.A.O. (1982).** Renal metabolism of glutamine in rats with acute renal failure. *Kidney International*, 22, **640-642**.
96. Alleyne, G.A.O. (1983). La Salud y el **Desarrollo**. *Bol. Of. San. Pan.* **94**, 315-325.
97. Alleyne, G.A.O. (1988). What is the role of institutions within the developing world? In "New Developments in Tropical Medicine ii" eds. T.W. Simpson, G.T. Strickland and **M.A. Mercer**. National Council for International Health.
98. Alleyne, G.A.O. **(1983)**. Consideraciones sobre el establecimiento de politic& **nacionales de investigación** en salud. **Documentos** de la Conferencia Panamericana sobre **Políticas de Investigación** en Salud. Caracas, Venezuela, **Abril 1982. PAHO/PNSP/83-92**.
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