

# **CURRICULUM VITAE**

## **de Carles Vallbona Calbó (Nov. 1997)**

### 1. Formació

Doctor en Medicina i Cirurgia per la Universitat de Barcelona amb Excel.lent Cum Laude. 1959

Llicenciat en Medicina i Cirurgia a la Universitat de Barcelona amb Excel.lent. 1950

Títol de Bachiller Universitari. Universitat de Barcelona. 1944

### 2. Formació especialitzada

Resident de Pediatria al Baylor College of Medicine. Houston. EUA. 1955-56

Resident de Pediatria al Children's Hospital. University of Lousille. EUA. 1953-55

Becari del Centre Internacional de la Infància. Paris. 1953

Stagier Étranger. Hôpital des Enfants Malades. Paris. 1952-53

Metge Puericultor de l'Escola de Puericultura. Barcelona. 1952

Alumne Intern de Pediatria i Metge de l'Hospital Clínic. Barcelona. 1948-52

### 3. Experiència Acadèmica

#### Càrrecs actuals al Baylor College of Medicine (BCM). Houston. Texas

Professor de Serveis Distingits. Des del 1990

Professor de Medicina de Família. Des del 1981

Professor i Catedràtic de Medicina Comunitària. Des del 1969

Professor de Rehabilitació. Des del 1967

#### Càrrrecs a altres Institucions

Professor Adjunt. Department of Social Psychology. University of Houston. Houston. 1993-fins ara

Professor Adiunt de Medicina Familiar i Comunitària. The University of Texas Health Science Center. Houston, 1992-fins ara

Professor Visitant. Escola Superior d'Administració i Direcció d'Empreses (ESADE). Barcelona. 1988-fins ara

Professor Adjunt de Medicina Preventiva i Epidemiologia. The University of Texas School of Public Health, Houston. 1984-fins ara

Professor Adjunt. Center for Health Promotion Research and Development. The University of Texas Health Science Center. Houston. 1982-fins ara

Professor Visitant. Graduate School. Texas A&M University. 1972-fins ara

### 4. Beques, premis i nomenaments honorífics de Societats

Cor de l'Any. Associació Catalana de Cardiologia. 1995

President del Comitè Científic. Zona Conferència Internacional Cor i Salut. 1995

Premi de Professor Distingit. Baylor Alumni Association. 1994

President. Associació de Metges Hispànics de Houston. 1992

Premi de Serveis. The Institute for Rehabilitation and Research. 1990

President d'Honor de l'Associació Catalana de la Hipertensió Arterial. 1990

Professor de Serveis Distingits. BCM. Elegit pel Claustre de Professors. 1990

Membre de la Junta Directiva. Association of Teachers of Preventive Medicine. 1989-1992

President. Secció de Serveis Mèdics. American Public Health Association. 1989-1991

Premi Especial de Reconeixement. Programes d'educació i investigació. Departament de Medicina Física, BCM. 1988.

Soci d'Honor. Secció de Pediatria Extrahospitalària de la Asociación Española de Pediatría. 1987

Membre Honorari Estranger. Societat Argentina de Medicina Interna. 1986

Membre Honorari Estranger. Associació Mèdica Argentina. 1986

American Public Health Association. Conseller de Govern. 1985-1986 i 1990-1991

National Academies of Practice. Facultatiu distingit. 1984

American College of Medical Informatics. Membre fundador. 1984

Membre Honorari. Societat Catalana de Pediatria. 1983

Professor Honorari. Alpha Omega Alpha. 1983

Professor Prominent de cursos electius (escollit per la classe de 1988)

Professor Prominent del Baylor College of Medicine, 1980, 1983, 1985, 1987, 1988 (escollit pels estudiants)

Ciudadà Públic de l'any. San Jacinto Chapter. National Association of Social Workers. 1974

Co-recipient de la Medalla d'Or del 6è Congrés Internacional de Medicina Física. Barcelona. 1972

Professor Visitant Fulbright. 1967

Premi Exposició Científica. American Academy of Orthopedic Surgeons. 1963

Elegit membre de la Society of the Sigma Xi. 1963

Elegit membre de la Society for Pediatric Research. 1962

Corresponsal de la Societat Catalana de Pediatria. 1959

Becari del Govern Francès i del Centre Internacional de la Infància, 1952-53

#### 5. Honors i Premis Civils

Medalla CONESTI. Associació Cultural i Cristiana de Catalunya

Medalla Narcís Monturiol de la Generalitat de Catalunya. 1991

Membre Honorari Associació de Vells de Guayaquil. 1986

Creu d'Oficial de l'Ordre del Mèrit Civil. Espanya. 1981

#### 6. Certificacions mèdiques

Texas State Board of Medical Examiners. 1962

Texas Certificate of Proficiency in Basic Sciences. 1961

Educational Council for Foreign Medical Graduates. 1961

Diploma. American Board of Pediatrics. 1958

#### 7. Membre d'organitzacions no mèdiques

Comissió del Cinquè Centenari (president del capítol de Houston 1991-92)

Associació de Llicenciats i Doctors Espanyols als EUA (ALDEEU) (president 1988-1989)

La Casa de España. Houston. Texas (president 1984-1985)

La Casa Argentina. Houston

Institut de Cultura Hispànica. Houston (fundador i ex-president de la junta directiva)

Chevaliers du Tastevin. Chapitre de Nuits-St Georges. França

Institut Americà d'Estudis Catalans (membre de la junta directiva)

#### 8. Comité editorial de publicacions periòdiques

*Medical Informatics*. Editorial Board; en l'actualitat

*Atención Primaria* (Clínica e Investigación). Editorial Board; actual

*Informatics and Medicine*. Editorial Advisory Board; actual

*Revista de Sanidad e Higiene Pública*. Comité Científic; actual  
*Medical Care*. Editorial Board. 1989-91  
*Journal of Gerontology and Geriatrics Education*. Editorial Advisory Board. 1980-83  
*Archives of Physical Medicine and Rehabilitation*. Editorial Board. 1970-82  
*Methods of Information and Medicine.*, Editorial Board. 1964-91  
*Automedica*. Editorial Advisory Board. 1970-80  
*Lecture Notes in Medical Informatics*. Editorial Board. 1975-85  
*Archivos de Pediatría*. Comité Científico. 1950-60

#### 9. Comités d'estudis

NIH. National Cancer Institute, Biometry and Epidemiology. Contract Review. Chairman 1989-90 & Committee Member 1986-90  
National Center for Health Statistics, ad hoc Consultant, fins el 1989  
NIH. NHLBI. Research Manpower Review Committee. 1981-84  
National Center for Health Care Technology. Consultant. 1979-82  
National Center for Health Services Research. Health Care Technology Study Section 1969-73, 1978-82  
National Institutes of Health (NIH). National Heart. Lung and Blood Institute (NHLBI). Pulmonary Disease Advisory Committee. 1975-79  
Veterans Administration. Medical School Assistant Review Committee, 1975-79  
National Institutes of Health. Reviewers Reserve List; des de 1970

#### 10. Pertenència a Societats professionals

##### Estats Units

President. National Academy of Practice in Medicine (NAP). 1991-fins ara  
Association of Teachers of Preventive Medicine. Board of Directors. 1990-92  
Junta Directiva. Medical Care Section. American Public Health. Association. 1986-1991  
Membre. International Health Committée. American Public Health. Association. 1986-89  
American College of Chest Physicians (Pediatric Committee) 1960's  
The Association of Rehabilitation Centers (Research Committee') 1960's  
Alpha Omega Alpha (elegit membre d'honor)  
Ambulatory Pediatric Association (elegit)  
American Academy of Family Physicians (elegit)  
American Association for the Advancement of Science (elegit)  
American Association of University Professors  
American College of Chest Physicians. Southern Chapter (elegit)  
American College of Chest Physicians (elegit)  
American College of Medical Informatics (membre fundador)  
American College of Preventive Medicine (elegit)  
American Congress of Rehabilitation Medicine (elegit)  
American Diabetes Association  
American Medical Association  
American Medical Informatics Association  
American Public Health Association  
Association of Teachers of Preventive Medicine  
North American Primary Care Research Group  
Sigma XI. The Scientific Research Society (elegit)

### Internacionals

Interamerican Institute for Border Health and Environment (associat)  
Co-president. University Conference Group. Pan American Health Organization. 1990-1991  
U.S.-Mexico Border Public Health Association, 1930-present  
Salutis Unitas. Secretari-Tresorer i membre. Board of Directors. 1972-1990

### Regionals

Texas Academy of Pediatrics. Community Health Services Committee  
Health Education Training Centers Alliance of Texas (HETCAT). Council Vice President. 1991-1992  
Texas Medical Association. Health Facilities Council. 1988-1994  
Texas Diabetes Control Project. Project Advisory Committee. 1986-1990  
American Lung Association of Texas. Board of Directors. 1974-77  
Sickle Cell Disease Research Foundation of Texas. Junta Directiva. 1972-78  
State of Texas. Texas Education Agency. Region IV Education Service Center. Advisory Committee for Career Education. 1972  
Texas Medical Association Committee on Aging and Nursing Homes. 1970-88  
Southern Society for Pediatric Research (elegit)  
Texas Academy of Family Physicians (Harris County Chapter)  
Texas Medical Association  
Texas Pediatric Society  
Southwest Border Rural Health Research Center. Membre. Junta Directiva  
Houston-Galveston Health Promotion Consortium Membre (vigent)

### Locals

Hispanic American Medical Association of Houston. President. 1993  
The Montrose Clinic of Trustees. 1987-present  
Citizens for Better Health  
Visiting Nurse Association of Houston. Inc. Board of Directors (ex membre)  
University of Houston. Texas. Advisory board for International Affairs. 1980's (ex membre)  
American Cancer Society. Cancer Awareness for Spanish Speaking Audiences (CASSA). 1981-90  
Houston Independent School District. Medical Consultant. 1975-85  
Harris County Medical Society  
Houston Pediatric Society

### 11. Càrrecs i funcions en el Baylor College of Medicine

Academic Council  
Preventive Pulmonary Advisory Committee  
DeBakey Heart Center. Advisory Committee  
Information Technology Committee  
International Activities Committee. Chairman  
Affirmative Action Committee. 1986-95  
President's Council  
Public Affairs Committee  
Substance Abuse Committee  
Computer Facility Committee. Chairman. 1977-87  
Student Promotions. 1976-78  
Policy & Planning. Chairman 1977-78  
Aging Committee. Anys 1970-79  
High School for Health Professions Committee 1970-85.

Admissions Committee. 1970-76  
Curriculum Cmmittee. 1969-78  
Student Research Committee. 1960-69  
Baylor Pediatric Alumni Association

12. Càrrecs i funcions en els hospitals afiliats al Baylor College of Medicine

Director del Programa de Salut Comunitària. Harris County Hospital District  
Membre Actiu. Servei de Medicina General. Texas Children's Hospital  
Membre Actiu. Servei de Medicina Familiar. St. Lukes Episcopal Hospital  
Membre Actiu. The Institute for Rehabilitation and Research (TIRR)  
Director. Post-Polio Clinic. The Institute for Rehabilitation and Research (TIRR)  
Director. Programa de Rehabilitació Cardíaca. Veterans Administration Hospital. Houston  
Seven Acres Jewish Geriatric Center. Director Mèdic  
HCHD. Computer Planning Committee  
HCHD. Medical Board. 1969-fins ara

13. Altres comeses

Hospital General de Granollers. Membre del Patronat. 1995-fins ara  
Consell Assessor de Salut. Barcelona. 1994-fins ara  
Generalitat de Catalunya. Conselleria de Sanitat i Seguretat Social. Consultor  
Generalitat de Catalunya. President del Programa de Promoció de l'Exercici Físic. 1990-fins ara  
Iniciatives de la Salut SA (Inisa). President del Consell d'Administració. 1992-1994  
Principat d'Andorra. Conselleria de Sanitat. Consultor. 1988-89  
Fundació Trueta de Barcelona  
World Health Organization. Consultor. 1970-72  
World Bank. Consultor. 1988  
Pan American Health Organization. Consultor. 1973 i 1984

14. Responsabilitats mèdiques al BCM i institucions afiliades

Chief of Staff. Community Health Program. Harris County Hospital District  
Medical Director. Seven Acres Jewish Geriatric Center  
Director. Post-Polio Clinic. The Institute for Rehabilitation and Research (TIRR)  
Director. Cardiac Rehabilitation Program. Rehabilitation Medicine Service. Veterans Administration Health Center  
Texas Children's Hospital General Medicine Service  
St. Luke's Episcopal Hospital. Family Medicine Service  
Board member. CPO of Baylor College of Medicine, Methodist Hospital, and Texas Children's Hospital  
Board member. Baylor MedCare

15. Participació en organitzacions voluntàries de salut

UNICEF. U.S. Houston-Galveston Board of Directors Member. 1994-fins ara  
American Heart Association. Patient Education Committee. 1993-fins ara  
March of Dimes Birth Defects Foundation. Metropolitan Houston Chapter. Board of Directors. 1986-92 (Excutive Committee 1988-90)  
Texas Polio Survivor's Association. 1988-fins ara  
American Red Cross. Houston. Texas. Board of Directors. 1984-91.

## PUBLICACIONES

1. Vallbona C. La internación artificial y su empleo en Pediatría. Archivos de Pediatría 1953;3(18):759-787
2. Vallbona C, Canosa C: Conocimientos actuales sobre la vacuna antipoliomielítica de Salk. Archivos de Pediatría 1955;5(30):599-610
3. Steigman AJ, Vallbona C. Chlorpromazine, a useful antiemetic in pediatric practice. J Pediatr 1955;46(3):296-297.
4. Steigman AJ, Vallbona C. Experience with chlorpromazine in pediatrics. Int Rec Med and GP Clinics 1955;168(5):351-357.
5. Spencer WA, Vallbona C. Estimation of inspiratory capacity in health and in subjects with respiratory muscle paralysis. J Appl Physiol 1959;14(3):279-283.
6. Vallbona C, Spencer WA. The total lung capacity and its subdivisions in respiratory poliomyelitis. J Chronic Dis 1959;9(6):617-635.
7. Vallbona C, Spencer WA, Jackson RR, Harrison GM. Las secuelas crónicas de la poliomiélitis. Revista del Colegio Médico de Guatemala. Guatemala 1959;10(1):40-65.
8. Diamond I, Vallbona C. Kwashiorkor in North American white male. Pediatrics 1960;25(2):248-257
9. Spencer WA, Jackson RR, Vallbona C, Harrison GM. Circulatory disturbances in life-threatening poliomyelitis. Am Heart J 1960;59(3):384-400.
10. Spencer WA, Vallbona C. Pulmonary nitrogen clearance in the first two years of poliomyelitis with respiratory muscle paralysis. J Chronic Dis 1960;11(6):561-578.
11. Vallbona C. La exploración funcional del aparato respiratorio en el niño. Boletín de la Sociedad Catalana de Pediatría 1960;21:175-187.
12. Vallbona C. Problemas que presenta la rehabilitación del niño lisiado. Boletín de la Sociedad Catalana de Pediatría 1960;21:188-198.
13. Mintz AA, Vallbona C. A hazard of exchange transfusion in newborn infants. Negative pressure in the umbilical vein. Pediatrics 1960;26(4):661-666.
14. Cardús D, Vallbona C. Electrónica y enseñanza. Insula 1960;162:13-14.
15. Spencer WA, Vallbona C. Digitation of clinical and research data in serial evaluation of disease processes. IRE Transactions on Medical Electronics 1960;ME-7:296-308.
16. Spencer WA, Vallbona C. The use of electronic data processing techniques in the description and evaluation of disability. A: Proc 2<sup>nd</sup> IBM Medical Symposium. White Plains. New York 1960;359-369.
17. Vallbona C, Spencer WA. Systematic classification of the chronic sequelae of poliomyelitis. Arch Phys Med Rehab 1961;42:114-121.
18. Vallbona C. Electronic automation in medicine: Its moral implications. The Linacre Quarterly 1961;28:74-82

(reimprés a: The Catholic Nurse 1961;10(2):24-35).

19. Spencer WA, Vallbona C. A preliminary report on the use of electronic data processing techniques in the description and evaluation of disability. Arch Phys Med Rehab 1961;43:22-35.

20. Woolam GL, Schnur PL, Vallbona C, Hoff HE. The pulse wave velocity as an early indicator of atherosclerosis in diabetic subjects. Circulation 1962;25(3):533-539.

21. Geddes LA, Hoff HE, Spencer WA, Vallbona C. Acquisition of physiologic data at the bedside: A progress report. An J Med Electronics 1962; Jan-Mar:62-69.

22. Vallbona C, Desmond M. Cardiodynamic studies in the neonate in health and in disease: Vectorial analysis of the electrocardiogram. Biologia Neonatorum 1962;4(1/2):1-24.

23. Spencer WA, Harrison GM, Vallbona C, Leavitt LA, Carter RE, Harrington PR, Breckenridge CG, Hoff HE. Rehabilitation in concept and in practice. South Med J 1962;55(7):721-728.

24. Spencer WA, Vallbona C, Geddes LA. Automation in hospital care. A: Proc 1962 IRE International Convention Record 1962;10(9):120-128.

25. Vallbona C. Processing medical information at the bedside. A: Proc 4<sup>th</sup> Medical Symposium, Endicott, New York, 1962;10:405.

26. Cardús D, Vallbona C. Acerca de la teoría de la información. Insula 1962;192:10-11.

27. Pié A, Vallbona C, Cardús D. Un programa moderno para la enseñanza práctica de la Fisiología. Archivos de la Facultad de Medicina de Zaragoza 1962;10(4):3-16.

28. Vallbona C. An automated approach to the individual health record. A: Proc New England Conference on Community Health Records Management. 1962;71.

29. Vallbona C, Spencer WA. Management of chronic sequelae of paralytic disease. The Pediatric Clinics of North America 1963;10:187-205.

30. Desmond MM, Franklin RR, Vallbona C, Hill RM, Plumb R, Arnold H, Watts J. The clinical behavior of the newly born: I. The term baby. J Pediatr 1963;62(3):307-325.

31. Vallbona C, Spencer WA, Cardús D, Dale JW, Townsend TO. Control of orthostatic hypotension in quadriplegic patients with the use of a pressure suit. Arch Phys Med Rehab 1963;44(1):7-18.

32. Vallbona C, Desmond M, Rudolph AJ, Pap LF, Hill RM, Franklin RR, Rush JB. Studies in the newborn; II Regulation of the heart rate. Biol Neonat 1963;5:159-199.

33. Leavitt LA, Ocampo R, Vallbona C, Spencer WA, Iddings D. Experience with a medical treatment of spasticity in patients with upper neuron lesions: A preliminary report. Western Medicine 1963;4(Suppl 1):16-21.

34. Vallbona C. Recomendaciones actuales sobre la vacuna contra el sarampión. Boletín de la Sociedad Catalana de Pediatria 1963;24(106):497-501.

35. Spencer WA, Vallbona C, Geddes LA. Requirements and applications of automation on hospital functions. J

Chronic Dis 1964;17:469-481.

36. Geddes LA, Hoff HE, Vallbona C, Harrison GM, Spencer WA, Canzoneri J. Numerical indication of indirect systolic and diastolic blood pressures, heart and respiratory rate. *Anesthesiology* 1964;25(6):861-866.

37. Vallbona C. Actividades de la Cátedra de Pediatría. *Boletín de la Sociedad Catalana de Pediatría* 1964;25(109):447-451.

38. Vallbona C, Blose WF, Spencer WA. System for processing clinical research data: I. Experience and problems. A: Proc 6<sup>th</sup> IBM Medical Symposium, Poughskeepie, New York, October 1964;437-462.

39. Blose W, Vallbona C, Spencer WA. System for processing clinical research data: II System desing. A: Proc 6<sup>th</sup> IBM Medical Symposium; Proughskeepie, New York, October 1964;463-485.

40. Spencer WA, Vallbona C, Carter RE. Physiologic concepts of immobilization. *Arch Phys Med Rehab* 1965;46:89-100.

41. Spencer WA, Cardús D, Vallbona C. Considerations in use of information processing technology in clinical investigations. A: Proctor LD, Adey WR (eds). *Symposium on Analysis of Central Nervous System and Cardiovascular Data Using Computer Methods*. Washington. NASA 1965 SP-72;237-258.

42. Vallbona C. Computer analysis of the effects of bedrest on cardiac dynamics. A: Proctor LD, Adey WR (eds). *Symposium on Analysis of Central Nervous System and Cardiovascular Data Using Computer Methods*. Washington. NASA 1965;SP-72;311-332.

43. Spencer WA, Vallbona C. Application of computers in clinical practice. *JAMA* 1965;191(11):917-921.

44. Vallbona C, McCrady JD, Hoff HE. Neuropharmacological factors influencing the central regulation of the respiratory-heart rate response (RHR). *Archives Internationales de Pharmacodynamie et de Thérapie* 1965;153(2):256-266.

45. Vallbona C, Geddes LA, Harrison GM, Hoff HE, Spencer WA. Physiological monitor: Experience, clinical value and problems. A: Proc 1965 National Telemetry Conference, Instrument Society of America 1965;126-129.

46. McCrady JD, Vallbona C, Hoff HE. The effect of preanesthetic and anesthetic agents on the respiration-heart rate responses of dogs. *Am J Vet Res* 1965;26(112):710-716.

47. Vallbona C, Vogt FB, Cardús D, Spencer WA, Walters M. The effect of bedrest on various parameters of physiological function: Part I. Review of the literature on the physiological effects of immobilization. NASA 1965 Pub.No. SP-171. Washington.

48. Vallbona C, Vogt FB, Cardús D, Spencer WA. The effect of bedrest on various parameters of physiological function: Part II. Experimental desing. NASA 1965 Pub.No. CR-172. Washington.

49. Vogt FB, Lamonte RJ, McConnell JR, Hallen TO, Vallbona C, Cardús D, Spencer WA, Holt TW. the effect of bedrest on various parameters of physiological function: Part III. Bioinstrumentation. NASA 1965 Pub. No. CR-173. Washington.

50. Vallbona C, Spencer WA, Blose W, Cardús D, Vogt FB, Leonard J. The effect of bedrest on various parameters of physiological function: Part IV. A system of processing data collected in the immobilization study unit. NASA



1965Pub. No. CR-174. Washington.

51. Walters M, Vallbona C, Cardús D, Vogt FB, Spencer WA. The effect of bedrest on various parameters of physiological function: Part V. Dietary requirements. NASA 1965 Pub. No. CR-175. Washington.

52. Vogt FB, Cardús D, Vallbona C, Spencer WA. The effect of bedrest on various parameters of physiological function: Part VI. The effect of the performance of periodic Flack maneuvers on preventing cardiovascular deconditioning of bedrest. NASA 1965 Pub. No. CR-176. Washington.

53. Cardús D, Spencer WA, Vallbona C, Vogt FB. The effect of bedrest on various parameters of physiological function: Part VII. Cardiac and ventilatory response to the bicycle ergometer test. NASA 1965 Pub. No. CR-177. Washington.

54. Vallbona C, Cardús D, Vogt FB, Spencer WA. The effect of bedrest on various parameters of physiological function: Part VIII. The effect on the cardiovascular tolerance to passive tilt. NASA 1965 Pub. No. CR-178. Washington-

55. Vallbona C, Spencer WA, Vogt FB, Cardús D. The effect of bedrest on various parameters of physiological function: Part IX. The effect on the vital signs and circulatory dynamics. NASA 1965 Pub. No. CR-179. Washington.

56. Vallbona C, Vogt FB, Cardús D, Spencer WA. The effect of bedrest on various parameters of physiological function: Part X. The effect of bedrest on the circulatory response to a Valsava maneuver. NASA 1965 Pub. No. CR-180. Washington.

57. Vogt FB, Spencer WA, Cardús D, Vallbona C. The effect of bedrest on various parameters of physiological function: Part XI. The effect of bedrest on blood volume, urinary volume, and urinary electrolyte excretion. NASA 1965 Pub. No. CR-181. Washington.

58. Vogt FB, Mack PB, Beasley WC, Spencer WA, Cardús D, Vallbona C. The effect of bedrest on various parameters of physiological function: Part XII. The effect of bedrest on bone mass and calcium balance. NASA 1965 Pub. No. CR-182. Washinton.

59. Vogt FB, Spencer WA, Cardús D, Vallbona C. The effect of bedrest on various parameters of physiological function: Part XIII. A review of possible mechanisms of orthostatic intolerance to passive tilt. NASA 1965 Pub. No. CR-183. Washinton.

60. Cardús D, Vallbona C, Vogt FB, Spencer WA, Lipscomb HS, Eik-Nes KB. The effect of bedrest on various parameters of physiological function: Part XIV. Effect of bedrest on plasma levels and urinary excretion of 17-hydroxycorticosteroids. NASA 1965 Pub. No. CR-184. Washington.

61. Vallbona C, Cardús D, Spencer WA, Hoff HE. Pattern of sinus arrhythmia in patients with lesions of the central nervous system. *Amer J Cardiol* 1965;16(3):379-389.

62. Cardús D, Vallbona C, Vogt FB, Spencer WA, Lipscomb HS, Eik-Nes KB. Influence of bedrest on plasma levels of 17-hydroxycorticosteroids. *Aerospace Med* 1965;36(6):524-527.

63. Vallbona C. Social and legal problems of current applications of automation in medicine. *The Linacre Quarterly* 1965;32(3);224-231.

64. Gunn GC, Dobson HL, Vallbona C, Gray K, Geddes LA. Studies of the pulse wave velocity in potential diabetic

subjects. *Diabetes* 1965;14(8):489-492.

65. Rudolph AJ, Vallbona C, Desmond M. Cardiodynamic studies in the newborn. III. Heart rate patterns in infants with idiopathic respiratory distress syndrome. *Pediatrics* 1965;36(4):551-559.

66. Vallbona C, Rudolph AJ, Desmond M. Cardiodynamic studies in the newborn. IV. Heart rate patterns of the non-distressed premature infant. *Pediatrics* 1985;36(4):560-564.

67. Vallbona C. El uso de los tranquilizantes en Pediatría. A: de Moragas J (ed). Ponencias del I Congreso Nacional de Neuropsiquiatría Infantil. Barcelona. Setembre 1965.

68. Vallbona C. Application of computers for hospital usage. *J Chronic Dis* 1966;19:461-472.

69. Vallbona C, Geddes LA, Canzoneri J. Experience with on-line monitoring in critical illness. A: Proc 1966 National Telemetry Conference. *IEEE Spectrum* 1966;3(9):136-138.

70. Vallbona C, Lipscomb HS, Carter RE. Endocrine responses to orthostatic hypotension in quadriplegia. *Arch Phys Med Rehab* 1966;47(4):412-421.

71. Vallbona C, Dietlein LF. Experiment M-4, inflight phonocardiogram-measurement the duration of the cardiac cycle and its phases during the orbital flights of Gemini V. A: Proc 2<sup>nd</sup> Annual Biomedical Research Conference, Houston, Texas. NASA 1966 Pub. No. SP-121, Washington.

72. Vallbona C, Spencer WA, Geddes LA, Blose WF, Canzoneri J. Experience with on-line monitoring in critical illness *IEEE Spectrum* 1966;3(9):136-140.

73. Cardús D, Vallbona C, Spencer WA. Effects of three kind of artificial respirators on the pulmonary ventilation and arterial blood of patients with chronic respiratory insufficiency. *Chest* 1966;50(3):297-306.

74. McCrady JD, Vallbona C, Hoff HE. Neural origin of the respiratory-heart rate response (RHR) *Am J Physiol* 1966;211(2):323-328.

75. Vallbona C, Bagby GC, Woodfin WS, Gillian J, Carter RE. Analysis of the QRS loop in muscular dystrophy. *Cardiovascular Research Center Bulletin* 1966;5(1):8-15.

76. McCrady JD, Hinds MH, Vallbona C, Geddes LA. Correlated input-output stimulator for experimental physiology. *J Appl Physiol* 1966;21:1897.

77. Vallbona C. Preparing medical record data for computer processing. *Hospitals* 1967;41:113-118.

78. Geddes LA, Vallbona C, Canzoneri J. Monitoring, computer entry, and display of the four vital signs. A: Proc 4<sup>th</sup> National Biomedical Science Instrumentation Symposium 1967;3:215-229.

79. Vallbona C, Hazlewood CF. Physiologic monitoring of conjoined twins: Objectives and clinical usefulness. *Conjoined Twins, The National Foundation, Birth Defects: Original Article Series* 1967;3(1):106-119.

80. Liss D, Baker B, Vallbona C, Levy AH. Computers and hospital. *Texas Hospitals* 1967;23(3):18-19.

81. Vallbona C, Spencer WA, Geddes LA, Canzoneri J, Harrison GM, Blose WF. Automation at the bedside. *Documenta Geigy Series "Automation in Medicine"*, Geigy, SA, Basel, 1967.

82. Vallbona C, Geddes LA, Spencer WA, Canzoneri J. The clinician's requirements for physiological monitoring systems. *Biomed Sci Instrum* 1968;4:3-6.
83. Simons DG, Vallbona C. Electrode experience in clinical biomedical monitoring. *Ann NY Acad Sc* 1968;148:279-284.
84. Vallbona C, Spencer WA, Levy AH, Baker RL, Liss DM, Pope SB. An on-line system for a rehabilitation hospital. *Meth Inf Med* 1968;7(1):31-39.
85. Vallbona C. Laboratoy data in an integrated information process. A: Griesser G, Wagner G (eds). *Automatisierung des Klinischer Laboratoriums*. Stuttgart-New York, FK Schattauer Verlag 1968;289-299.
86. Vallbona C, Harrington PR, Freire RM, Harrison GM, Reese WO. Ptifalls in the interpretation of pulmonary function studies in scoliotic patients. *Arch Phys Med Rehab* 1969;50(2):68-74.
87. Claus-Walker JL, Carter RE, Vallbona C, Lipscomb HS. Daily rhythms of electrolytes and aldosterone excretion in men with cervical spinal cord section. *J Clin Endocr* 1969;29(2):300-301.
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