

John Newsom-Davis

CV and publications list

Curriculum vita

John Newsom-Davis CBE MD DM FRCP FRS

Curriculum Vitae 2007

National Military Service: Royal Air Force (Pilot), 1951-1953

Degrees: BA in Natural Sciences, University of Cambridge 1957
MB, BChir University of Cambridge 1960
MD (University of Cambridge) 1966
DM (University of Oxford) 1987

Honours/Distinctions:

Commander of the British Empire, 1996
Fellow of the Royal College of Physicians, 1973
Fellow of the Royal Society, 1991
Foreign Associate Member, Institute of Medicine, National Academy of Sciences, USA 2001

Prizes/Awards:

Queen Square Prize in Neurology, 1965
Jean Hunter Prize, Royal College of Physicians, 1986
Moxon Medal, Royal College of Physicians, 1996
Swedish Medical Society Medal, 1999
Association of British Neurologists Medal, 1999
Galen Medal, Worshipful Society of Apothecaries, 2004
Gaetano Conte Prize, 2007

Present Appointments:

Professor Emeritus, Department of Clinical Neurology, University of Oxford, 1998-
Honorary Consultant Neurologist, Radcliffe Infirmary, Oxford, 1998-
(Outpatient and Inpatient care for patients with neuromuscular disorders)

Previous Appointments:

Resident House Physician, Academic Registrar and Resident Medical Officer, National Hospital for Nervous Diseases, Queen Square, 1966-1968
University Lecturer, Institute of Neurology, Queen Square, 1968-1969.
Research Fellow, Department of Neurology (Dr Fred Plum), New York Hospital-Cornell Medical Center, 1969-1970.
Consultant Neurologist, Royal Free Hospital and National Hospital for Nervous Diseases, Queen Square, 1970-1980.
MRC Clinical Research Professor of Neurology, Royal Free Hospital School of Medicine and Institute of Neurology, Queen Square, 1980-1987.
Professor of Clinical Neurology, University of Oxford, 1987-1998
Editor-in-Chief *Brain*, 1997-2004

Medical Research Council:

Member of Neurosciences Grants Committee, 1978-1980
Member of Neurosciences Board, 1980-1983; 1992-96
Chairman of Neurosciences Board, 1983-1985
Chairman of Health Services Research Committee, 1986-1987
Member of Council, 1983-1987
Chairman of Neurosciences Human Health Steering Committee, 1992-1995

Department of Health:

Member of the Central Research and Development Committee, 1994
Consultant Adviser in Neurology to Chief Medical Officer, 1994-96

Royal Society:

Member of Council, 1996-97
Member of Finance and General Purposes Committee 1998-

Royal College of Physicians:

Member of Committee on Neurology, 1981-1985
Chairman of Committee on Neurology, 1985-1992

British Association for the Advancement of Science:

President of the Biomedical Section, 1982-1983

University of Oxford:

Member of the Board of the Faculty of Clinical Medicine, 1990-1993
Chairman of the Animal Care Committee, 1991-94
Member of the Biosciences Research Board, 1993-96
Delegate of Oxford University Press, 1994-1999

British Council:

Chairman, Health Advisory Committee, 1995-2000

Muscular Dystrophy Group:

Member of Medical Research Committee, 1984-1995
Chairman of Medical Research Committee, 1996-1999

Brain:

Chairman, Guarantors of *Brain*, 1991-1996
Editor-in-Chief, 1997-2004

Present or past Editorial work:

Editorial Boards of *Revue Neurologique*, *Journal of Neuroimmunology*, *Journal of Neurological Sciences*, *European Neurology*, *Muscle and Nerve*, *Current Opinion in Neurology & Neurosurgery*, *Journal of Neurology Neurosurgery and Psychiatry*, *Clinical and Experimental Immunology*, *Brain*.
Manuscript reviews for other scientific journals including *American Journal of Pathology*, *Annals of Neurology*, *Brain*, *Lancet*, *Nature*, *New England Journal of Medicine* etc.

Association of British Neurologists:

Honorary Secretary, 1981-1984
Member of Council, 1997-2001
President Elect, 1997-1999
President, 1999-2001

Scientific Societies and Associations

Honorary Member of the American Academy of Neurology
Honorary Member of the American Neurological Association
Honorary Member of the Association of British Neurologists
Honorary Member of the Australian Association of Neurologists
Honorary Member of the Association of Physicians, UK
Honorary Fellow of the Royal Society of Medicine
Corresponding Member of the Swiss Neurological Society

Ad hoc Reviews:

Medical Research Council, UK

National Fund for Research into Crippling Disease, UK
Wellcome Trust, UK
National Health and Medical Research Council, Australia
National Science Foundation USA

Recent Named Lectures

Robert Aird Lecture, San Francisco, 1989
Milton Shy Lecture, New York/Philadelphia/Washington, 1991
Henry Fuller Lecture, St George's Hospital Medical School, June 1992
Lord Adrian Lecture, International Congress of Clinical Neurophysiology, Jerusalem, June 1992
Soriano Lecture, American Neurological Association, Boston, October 1993
Lambert Lecture, American Association of Electrodiagnostic Medicine, New Orleans, October 1993
Huglins Jackson Lecture, Royal Society of Medicine, December 1993
Myasthenia Gravis Foundation Lecture, Salt Lake City, April 1995
Norman Allen Lecture, Columbus, Ohio, November 1995
6th Seah Cheng Siang Memorial Lecture, Singapore, January 1996
Gordon Holmes Lecture, Sydney, Australia, May 1997
Ellison-Cliffe Lecture, Royal Society of Medicine, October 1997
Oh Lecture, Birmingham, Alabama, November, 1997
FE Bennett Lecture, American Neurological Association, Montreal, Oct 1998
Association of British Neurologist Medallist Lecture, March 1999.
Alan Emery Lecture, Green College, Oxford, June 2000
Dale McFarlin Lecture, International Society for Neuroimmunology, Edinburgh, September 2001
Wartenberg Lecture, American Academy of Neurology, Honolulu, April 2003
Robert A Fishman Lecture, San Francisco, June 2005
Benjamin Boshes Lecture, Tel Aviv, December 2005
Gaetano Conte Lecture, Djerba, March 2007

Publications

Book

Campbell EJM, Agostini E, Newsom Davis J (eds) 1970. The respiratory muscles. Lloyd-Luke, London.

**All peer-reviewed and selected scientific reviews.
Note that in early publications his name is given as JN Davis**

1. Davis JN. Contribution of somatic receptors in the chest wall to detection of added inspiratory airway resistance. *Clin Sci*. 1967;33:249-260
2. Davis JN. Phrenic nerve conduction in man. *J Neurol Neurosurg Psychiatry*. 1967;30:420-426
3. Davis JN. An experimental study of hiccup. *Brain*. 1970;93:851-872
4. Davis JN, Sears TA. The proprioceptive reflex control of the intercostal muscles during their voluntary activation. *J Physiol*. 1970;209:711-738
5. Davis JN, Plum F. Separation of descending spinal pathways to respiratory motoneurons. *Exp Neurol*. 1972;34:78-94
6. Davis JN. Autonomous breathing. Report of a case. *Arch Neurol*. 1974;30:480-483
7. Harvey PK, Davis JN. Traumatic encephalopathy in a young boxer. *Lancet*. 1974;2:928-929
8. Davis JN. The response to stretch of human intercostal muscle spindles studied in vitro. *J Physiol*. 1975;249:561-579
9. Davis JN, Stagg D. Interrelationships of the volume and time components of individual breaths in resting man. *J Physiol*. 1975;245:481-498
10. Davis J, Goldman M, Loh L, Casson M. Diaphragm function and alveolar hypoventilation. *Q J Med*. 1976;45:87-100
11. Davis JN, Loh L, Casson M. The effects of respiratory muscle weakness on the pattern of breathing. *Acta Neurol Belg*. 1976;76:291-292
12. Maton PN, Pollard JD, Davis JN. Human rabies encephalomyelitis. *Br Med J*. 1976;1:1038-1040
13. Gibson GJ, Pride NB, Davis JN, Loh LC. Pulmonary mechanics in patients with respiratory muscle weakness. *Am Rev Respir Dis*. 1977;115:389-395
14. Loh L, Goldman M, Davis JN. The assessment of diaphragm function. *Medicine (Baltimore)*. 1977;56:165-169
15. Davis JN, Loh L, Nodal J, Charnock M. Effects of sleep on the pattern of CO₂ stimulated breathing in males and females. *Adv Exp Med Biol*. 1978;99:79-83
16. Hughes RA, Newsom-Davis JM, Perkin GD, Pierce JM. Controlled trial prednisolone in acute polyneuropathy. *Lancet*. 1978;2:750-75
17. Pinching AJ, Peters DK, Davis JN. Plasma exchange in myasthenia gravis. *Lancet*. 1977;1:428-429
18. Ito Y, Miledi R, Vincent A, Newsom-Davis J. Acetylcholine receptors and end-plate electrophysiology in myasthenia gravis. *Brain*. 1978;101:345-368
19. Newsom-Davis J, Pinching AJ, Vincent A, Wilson SG. Function of circulating antibody to acetylcholine receptor in myasthenia gravis: investigation by plasma exchange. *Neurology*. 1978;28:266-272
20. Stagg D, Goldman M, Davis JN. Computer-aided measurement of breath volume and time components using magnetometers. *J Appl Physiol*. 1978;44:623-633
21. Stranock SD, Davis JN. Ultrastructure of the muscle spindle in dystrophia myotonica. II. The sensory and motor nerve terminals. *Neuropathol Appl Neurobiol*. 1978;4:407-418
22. Stranock SD, Davis JN. Ultrastructure of the muscle spindle in dystrophia myotonica. I. The intrafusal muscle fibres. *Neuropathol Appl Neurobiol*. 1978;4:393-406
23. Vincent A, Scadding GK, Thomas HC, Newsom-Davis J. In-vitro synthesis of anti-acetylcholine-receptor antibody by thymic lymphocytes in myasthenia gravis. *Lancet*. 1978;1:305-307
24. Davis JN, Loh L. Alveolar hypoventilation and respiratory muscle weakness. *Bull Eur Physiopathol Respir*. 1979;15 Suppl:45-53
25. Loh L, Hughes JM, Davis JN. Gas exchange problems in bilateral diaphragm paralysis. *Bull Eur Physiopathol Respir*. 1979;15 Suppl:137-143
26. Molenaar PC, Polak RL, Miledi R, Alema S, Vincent A, Newsom-Davis J. Acetylcholine in intercostal

- muscle from myasthenia gravis patients and in rat diaphragm after blockade of acetylcholine receptors. *Prog Brain Res.* 1979;49:449-458
27. Newsom-Davis J. The diaphragm and neuromuscular disease. *Am Rev Respir Dis.* 1979;119:115-117
 28. Newsom-Davis J, Wilson SG, Vincent A, Ward CD. Long-term effects of repeated plasma exchange in myasthenia gravis. *Lancet.* 1979;1:464-468
 29. Vincent A, Newsom-Davis J. Absence of anti-acetylcholine receptor antibodies in congenital myasthenia gravis. *Lancet.* 1979;1:441-442
 30. Compston DA, Vincent A, Newsom-Davis J, Batchelor JR. Clinical, pathological, HLA antigen and immunological evidence for disease heterogeneity in myasthenia gravis. *Brain.* 1980;103:579-601
 31. Vincent A, Newsom Davis J. Anti-acetylcholine receptor antibodies. *J Neurol Neurosurg Psychiatry.* 1980;43:590-600
 32. Hawkey CJ, Newsom-Davis J, Vincent A. Plasma exchange and immunosuppressive drug treatment in myasthenia gravis: no evidence for synergy. *J Neurol Neurosurg Psychiatry.* 1981;44:469-475
 33. Lang B, Newsom-Davis J, Wray D, Vincent A, Murray N. Autoimmune aetiology for myasthenic (Eaton-Lambert) syndrome. *Lancet.* 1981;2:224-22
 34. Molenaar PC, Newsom-Davis J, Polak RL, Vincent A. Choline acetyltransferase in skeletal muscle from patients with myasthenia gravis. *J Neurochem.* 1981;37:1081-1088
 35. Murray NM, Newsom-Davis J. Treatment with oral 4-aminopyridine in disorders of neuromuscular transmission. *Neurology.* 1981;31:265-271
 36. Newsom-Davis J, Willcox N, Calder L. Thymus cells in myasthenia gravis selectively enhance production of anti-acetylcholine-receptor antibody by autologous blood lymphocytes. *N Engl J Med.* 1981;305:1313-1318
 37. Newsom-Davis J, Willcox N, Scadding G, Calder L, Vincent A. Anti-acetylcholine receptor antibody synthesis by cultured lymphocytes in myasthenia gravis: thymic and peripheral blood cell interactions. *Ann N Y Acad Sci.* 1981;377:393-402
 38. Scadding GK, Vincent A, Newsom-Davis J, Henry K. Acetylcholine receptor antibody synthesis by thymic lymphocytes: correlation with thymic histology. *Neurology.* 1981;31:935-943
 39. Vincent A, Cull-Candy SG, Newsom-Davis J, Trautmann A, Molenaar PC, Polak RL. Congenital myasthenia: end-plate acetylcholine receptors and electrophysiology in five cases. *Muscle Nerve.* 1981;4:306-318
 40. Greenwood R, Newsom-Davis J, Hughes RA, Aslan S, Stott RB, Bowden AN, Chadwick DW, McLellan DL, Millac P, Gordon NS, Armitage P. British multicentre trial of plasma exchange in acute inflammatory polyradiculoneuropathy (AIP). *Prog Clin Biol Res.* 1982;106:189-196
 41. Lang B, Vincent A, Newsom-Davis J. Purification of anti-acetylcholine receptor antibody from patients with myasthenia gravis. *J Immunol Methods.* 1982;51:371-381
 42. Molenaar PC, Newsom-Davis J, Polak RL, Vincent A. Eaton-Lambert syndrome: acetylcholine and choline acetyltransferase in skeletal muscle. *Neurology.* 1982;32:1061-1065
 43. Newsom-Davis J, Murray N, Wray D, Lang B, Prior C, Gwilt M, Vincent A. Lambert-Eaton myasthenic syndrome: electrophysiological evidence for a humoral factor. *Muscle Nerve.* 1982;5:S17-20
 44. Thomas JA, Willcox HN, Newsom-Davis J. Immunohistological studies of the thymus in myasthenia gravis. Correlation with clinical state and thymocyte culture responses. *J Neuroimmunol.* 1982;3:319-33
 45. Vincent A, Newsom-Davis J. Acetylcholine receptor antibody characteristics in myasthenia gravis. II. Patients with penicillamine-induced myasthenia or idiopathic myasthenia of recent onset. *Clin Exp Immunol.* 1982;49:266-272
 46. Vincent A, Newsom-Davis J. Acetylcholine receptor antibody characteristics in myasthenia gravis. I. Patients with generalized myasthenia or disease restricted to ocular muscles. *Clin Exp Immunol.* 1982;49:257-265
 47. Fukunaga H, Engel AG, Lang B, Newsom-Davis J, Vincent A. Passive transfer of Lambert-Eaton myasthenic syndrome with IgG from man to mouse depletes the presynaptic membrane active zones. *Proc Natl Acad Sci U S A.* 1983;80:7636-7640
 48. Lang B, Newsom-Davis J, Prior C, Wray D. Antibodies to motor nerve terminals: an electrophysiological study of a human myasthenic syndrome transferred to mouse. *J Physiol.* 1983;344:335-345
 49. Lerrick AJ, Wray D, Vincent A, Newsom-Davis J. Electrophysiological effects of myasthenic serum factors studied in mouse muscle. *Ann Neurol.* 1983;13:186-191
 50. Scadding G, Newsom-Davis J. D-pen associated MG. *Muscle Nerve.* 1983;6:170-171
 51. Scadding GK, Calder L, Newsom-Davis J. The in vitro effects of D-penicillamine upon anti-AChR

- production by thymic and peripheral blood lymphocytes from patients with myasthenia gravis. *Muscle Nerve*. 1983;6:656-660
52. Scadding GK, Sweny P, Wilson SG, Havard CW, Newsom-Davis J. Glomerulonephritis, thymoma and myasthenia gravis. *Q J Med*. 1983;52:187-193
 53. Vincent A, Newsom-Davis J, Newton P, Beck N. Acetylcholine receptor antibody and clinical response to thymectomy in myasthenia gravis. *Neurology*. 1983;33:1276-1282
 54. Whiting PJ, Vincent A, Newsom-Davis J. Acetylcholine receptor antibody characteristics in myasthenia gravis. Fractionation of alpha-bungarotoxin binding site antibodies and their relationship to IgG subclass. *J Neuroimmunol*. 1983;5:1-9
 55. Willcox HN, Newsom-Davis J, Calder LR. Greatly increased autoantibody production in myasthenia gravis by thymocyte suspensions prepared with proteolytic enzymes. *Clin Exp Immunol*. 1983;54:378-386
 56. Wilson S, Vincent A, Newsom-Davis J. Acetylcholine receptor turnover in mice with passively transferred myasthenia gravis. II. Receptor synthesis. *J Neurol Neurosurg Psychiatry*. 1983;46:383-387
 57. Wilson S, Vincent A, Newsom-Davis J. Acetylcholine receptor turnover in mice with passively transferred myasthenia gravis. I. Receptor degradation. *J Neurol Neurosurg Psychiatry*. 1983;46:377-382
 58. Colaco CB, Scadding G, Newsom-Davis J. Anti-cardiolipin antibodies in neurological diseases. *Lancet*. 1984;1:164
 59. Greenwood RJ, Newsom-Davis J, Hughes RA, Aslan S, Bowden AN, Chadwick DW, Gordon NS, McLellan DL, Millac P, Stott RB, et al. Controlled trial of plasma exchange in acute inflammatory polyradiculoneuropathy. *Lancet*. 1984;1:877-879
 60. Lang B, Molenaar PC, Newsom-Davis J, Vincent A. Passive transfer of Lambert-Eaton myasthenic syndrome in mice: decreased rates of resting and evoked release of acetylcholine from skeletal muscle. *J Neurochem*. 1984;42:658-662
 61. Newsom-Davis J, Murray NM. Plasma exchange and immunosuppressive drug treatment in the Lambert-Eaton myasthenic syndrome. *Neurology*. 1984;34:480-485
 62. Willcox HN, Newsom-Davis J, Calder LR. Cell types required for anti-acetylcholine receptor antibody synthesis by cultured thymocytes and blood lymphocytes in myasthenia gravis. *Clin Exp Immunol*. 1984;58:97-106
 63. Bofill M, Janossy G, Willcox N, Chilosi M, Trejdosiewicz LK, Newsom-Davis J. Microenvironments in the normal thymus and the thymus in myasthenia gravis. *Am J Pathol*. 1985;119:462-473
 64. Klavinskis LS, Patterson S, Whiting PJ, Wilcox HN, Oxford JS, Newsom-Davis J. Infection of cultured human muscle cells by influenza virus. *J Gen Virol*. 1985;66 (Pt 11):2335-2345
 65. Klavinskis LS, Willcox N, Oxford JS, Newsom-Davis J. Antivirus antibodies in myasthenia gravis. *Neurology*. 1985;35:1381-1384
 66. Lang B, Roberts AJ, Vincent A, Newsom-Davis J. Anti-acetylcholine receptor idiotypes in myasthenia gravis analysed by rabbit anti-sera. *Clin Exp Immunol*. 1985;60:637-644 Newsom-Davis J. Lambert-Eaton myasthenic syndrome. *Springer Semin Immunopathol*. 1985;8:129-140
 67. Powell-Jackson J, Weller RO, Kennedy P, Preece MA, Whitcombe EM, Newsom-Davis J. Creutzfeldt-Jakob disease after administration of human growth hormone. *Lancet*. 1985;2:244-246
 68. Prior C, Lang B, Wray D, Newsom-Davis J. Action of Lambert-Eaton myasthenic syndrome IgG at mouse motor nerve terminals. *Ann Neurol*. 1985;17:587-59
 69. Robb SA, Bowley TJ, Newsom-Davis J. Variation in peripheral blood T cell subsets in serial assays. *Immunol Lett*. 1985;10:133-136
 70. Robb SA, Bowley TJ, Willcox HN, Newsom-Davis J. Circulating T cell subsets in the Lambert-Eaton myasthenic syndrome. *J Neurol Neurosurg Psychiatry*. 1985;48:501-505
 71. Robb SA, Vincent A, McGregor MA, McGregor AM, Newsom-Davis JM. Acetylcholine receptor antibodies in the elderly and in Down's syndrome. *J Neuroimmunol*. 1985;9:139-146
 72. Roberts A, Perera S, Lang B, Vincent A, Newsom-Davis J. Paraneoplastic myasthenic syndrome IgG inhibits 45Ca^{2+} flux in a human small cell carcinoma line. *Nature*. 1985;317:737-739
 73. Vincent A, Newsom-Davis J. Acetylcholine receptor antibody as a diagnostic test for myasthenia gravis: results in 153 validated cases and 2967 diagnostic assays. *J Neurol Neurosurg Psychiatry*. 1985;48:1246-1252
 74. Vincent A, Newsom-Davis J. Acetylcholine receptor antibody characteristics in myasthenia gravis. III. Patients with low anti-AChR antibody levels. *Clin Exp Immunol*. 1985;60:631-636
 75. Whiting P, Vincent A, Newsom-Davis J. Monoclonal antibodies to Torpedo acetylcholine receptor. Characterisation of antigenic determinants within the cholinergic binding site. *Eur J Biochem*.

- 1985;150:533-539
76. Willcox N, Demaine AG, Newsom-Davis J, Welsh KI, Robb SA, Spiro SG. Increased frequency of IgG heavy chain marker Glm(2) and of HLA-B8 in Lambert-Eaton myasthenic syndrome with and without associated lung carcinoma. *Hum Immunol.* 1985;14:29-36
77. Willcox N, Schluep M, Bofill M, Newsom-Davis J. Isolation of germinal centre (GC) cells is greatly improved by using the protease dispase to prepare cell suspensions. *Adv Exp Med Biol.* 1985;186:979-984
78. Klavinskis LS, Willcox HN, Richmond JE, Newsom-Davis J. Attempted isolation of viruses from myasthenia gravis thymus. *J Neuroimmunol.* 1986;11:287-299
79. Mossman S, Vincent A, Newsom-Davis J. Myasthenia gravis without acetylcholine-receptor antibody: a distinct disease entity. *Lancet.* 1986;1:116-119
80. Scadding GK, Calder L, Vincent A, Prior C, Wray D, Newsom-Davis J. Anti-acetylcholine receptor antibodies induced in mice by syngeneic receptor without adjuvants. *Immunology.* 1986;58:151-155
81. Whiting PJ, Vincent A, Newsom-Davis J. Myasthenia gravis: monoclonal antihuman acetylcholine receptor antibodies used to analyze antibody specificities and responses to treatment. *Neurology.* 1986;36:612-617
82. Whiting PJ, Vincent A, Schluep M, Newsom-Davis J. Monoclonal antibodies that distinguish between normal and denervated human acetylcholine receptor. *J Neuroimmunol.* 1986;11:223-235
83. Chiu HC, Vincent A, Newsom-Davis J, Hsieh KH, Hung T. Myasthenia gravis: population differences in disease expression and acetylcholine receptor antibody titers between Chinese and Caucasians. *Neurology.* 1987;37:1854-1857
84. Engel AG, Fukuoka T, Lang B, Newsom-Davis J, Vincent A, Wray D. Lambert-Eaton myasthenic syndrome IgG: early morphologic effects and immunolocalization at the motor endplate. *Ann N Y Acad Sci.* 1987;505:333-345
85. Fukuoka T, Engel AG, Lang B, Newsom-Davis J, Prior C, Wray DW. Lambert-Eaton myasthenic syndrome: I. Early morphological effects of IgG on the presynaptic membrane active zones. *Ann Neurol.* 1987;22:193-199
86. Fukuoka T, Engel AG, Lang B, Newsom-Davis J, Vincent A. Lambert-Eaton myasthenic syndrome: II. Immunoelectron microscopy localization of IgG at the mouse motor end-plate. *Ann Neurol.* 1987;22:200-211
87. Lang B, Newsom-Davis J, Peers C, Prior C, Wray DW. The effect of myasthenic syndrome antibody on presynaptic calcium channels in the mouse. *J Physiol.* 1987;390:257-270
88. Newsom-Davis J, Willcox N, Schluep M, Harcourt G, Vincent A, Mossman S, Wray D, Burges J. Immunological heterogeneity and cellular mechanisms in myasthenia gravis. *Ann N Y Acad Sci.* 1987;505:12-26
89. Oosterhuis HJ, Newsom-Davis J, Wokke JH, Molenaar PC, Weerden TV, Oen BS, Jennekens FG, Veldman H, Vincent A, Wray DW, et al. The slow channel syndrome. Two new cases. *Brain.* 1987;110 (Pt 4):1061-1079
90. Schluep M, Willcox N, Vincent A, Dhoot GK, Newsom-Davis J. Acetylcholine receptors in human thymic myoid cells in situ: an immunohistological study. *Ann Neurol.* 1987;22:212-222
91. Vincent A, Whiting PJ, Schluep M, Heidenreich F, Lang B, Roberts A, Willcox N, Newsom-Davis J. Antibody heterogeneity and specificity in myasthenia gravis. *Ann N Y Acad Sci.* 1987;505:106-120
92. Willcox N, Schluep M, Ritter MA, Schuurman HJ, Newsom-Davis J, Christensson B. Myasthenic and nonmyasthenic thymoma. An expansion of a minor cortical epithelial cell subset? *Am J Pathol.* 1987;127:447-460
93. Wray DW, Peers C, Lang B, Lande S, Newsom-Davis J. Interference with calcium channels by Lambert Eaton myasthenic syndrome antibody. *Ann N Y Acad Sci.* 1987;505:368-376
94. Chester KA, Lang B, Gill J, Vincent A, Newsom-Davis J. Lambert-Eaton syndrome antibodies: reaction with membranes from a small cell lung cancer xenograft. *J Neuroimmunol.* 1988;18:97-104
95. Chiu HC, de Lange GG, Willcox N, Vincent A, Newsom-Davis J, Hsieh KH, Hung TP. Immunoglobulin allotypes in caucasian and Chinese myasthenia gravis: differences from Japanese patients. *J Neurol Neurosurg Psychiatry.* 1988;51:214-217
96. Dolly JO, Gwilt M, Lacey G, Newsom-Davis J, Vincent A, Whiting P, Wray DW. Action of antibodies directed against the acetylcholine receptor on channel function at mouse and rat motor end-plates. *J Physiol.* 1988;399:577-589
97. Harcourt GC, Sommer N, Rothbard J, Willcox HN, Newsom-Davis J. A juxta-membrane epitope on the human acetylcholine receptor recognized by T cells in myasthenia gravis. *J Clin Invest.* 1988;82:1295-1300
98. Heidenreich F, Vincent A, Newsom-Davis J. Differences in fine specificity of anti-acetylcholine receptor

- antibodies between subgroups of spontaneous myasthenia gravis of recent onset, and of penicillamine induced myasthenia. *Autoimmunity*. 1988;2:31-37
99. Heidenreich F, Vincent A, Roberts A, Newsom-Davis J. Epitopes on human acetylcholine receptor defined by monoclonal antibodies and myasthenia gravis sera. *Autoimmunity*. 1988;1:285-297
 100. Heidenreich F, Vincent A, Willcox N, Newsom-Davis J. Anti-acetylcholine receptor antibody specificities in serum and in thymic cell culture supernatants from myasthenia gravis patients. *Neurology*. 1988;38:1784-1788
 101. Lang B, Newsom-Davis J, Wray DW. The effect of Lambert-Eaton myasthenic syndrome antibody on slow action potentials in mouse cardiac ventricle. *Proc R Soc Lond B Biol Sci*. 1988;235:103-110
 102. Lang B, Richardson G, Rees J, Vincent A, Newsom-Davis J. Plasma from myasthenia gravis patients reduces acetylcholine receptor agonist-induced Na⁺ flux into TE671 cell line. *J Neuroimmunol*. 1988;19:141-148
 103. Mossman S, Vincent A, Newsom-Davis J. Passive transfer of myasthenia gravis by immunoglobulins: lack of correlation between AChR with antibody bound, acetylcholine receptor loss and transmission defect. *J Neurol Sci*. 1988;84:15-28
 104. Nagel A, Engel AG, Lang B, Newsom-Davis J, Fukuoka T. Lambert-Eaton myasthenic syndrome IgG depletes presynaptic membrane active zone particles by antigenic modulation. *Ann Neurol*. 1988;24:552-558
 105. Newsom-Davis J. Autoimmunity in neuromuscular disease. *Ann N Y Acad Sci*. 1988;540:25-38
 106. O'Neill JH, Murray NM, Newsom-Davis J. The Lambert-Eaton myasthenic syndrome. A review of 50 cases. *Brain*. 1988;111 (Pt 3):577-596
 107. Schluep M, Willcox N, Ritter MA, Newsom-Davis J, Larche M, Brown AN. Myasthenia gravis thymus: clinical, histological and culture correlations. *J Autoimmun*. 1988;1:445-467
 108. Walker R, Vincent A, Newsom-Davis J. Immunological and pharmacological heterogeneity of alpha-bungarotoxin binding sites extracted from TE671 cells. *J Neuroimmunol*. 1988;19:149-157
 109. Beeson D, Brydson M, Newsom-Davis J. Nucleotide sequence of human muscle acetylcholine receptor beta-subunit. *Nucleic Acids Res*. 1989;17:4391
 110. Engel AG, Nagel A, Fukuoka T, Fukunaga H, Osame M, Lang B, Newsom-Davis J, Vincent A, Wray DW, Peers C. Motor nerve terminal calcium channels in Lambert-Eaton myasthenic syndrome. Morphologic evidence for depletion and that the depletion is mediated by autoantibodies. *Ann N Y Acad Sci*. 1989;560:278-290
 111. Jermy AC, Fisher CA, Vincent AC, Willcox NA, Newsom-Davis J. Experimental autoimmune myasthenia gravis induced in mice without adjuvant: genetic susceptibility and adoptive transfer of weakness. *J Autoimmun*. 1989;2:675-688
 112. Lande S, Black J, Dolly JO, Lang B, Newsom-Davis J, D WW. Effects of botulinum neurotoxin and Lambert-Eaton myasthenic syndrome IgG at mouse nerve terminals. *J Neural Transm Park Dis Dement Sect*. 1989;1:229-242
 113. Lang B, Vincent A, Murray NM, Newsom-Davis J. Lambert-Eaton myasthenic syndrome: immunoglobulin G inhibition of Ca²⁺ flux in tumor cells correlates with disease severity. *Ann Neurol*. 1989;25:265-271
 114. Laroche CM, Mier AK, Spiro SG, Newsom-Davis J, Moxham J, Green M. Respiratory muscle weakness in the Lambert-Eaton myasthenic syndrome. *Thorax*. 1989;44:913-918
 115. Lewis SW, Ron MA, Newsom-Davis J. Absence of central functional cholinergic deficits in myasthenia gravis. *J Neurol Neurosurg Psychiatry*. 1989;52:258-261
 116. Newsom-Davis J, Harcourt G, Sommer N, Beeson D, Willcox N, Rothbard JB. T-cell reactivity in myasthenia gravis. *J Autoimmun*. 1989;2 Suppl:101-108
 117. Vincent A, Lang B, Newsom-Davis J. Autoimmunity to the voltage-gated calcium channel underlies the Lambert-Eaton myasthenic syndrome, a paraneoplastic disorder. *Trends Neurosci*. 1989;12:496-502
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