

PROFESSOR M. GOURIE-DEVI

Curriculum Vitae

Curriculum Vitae of Prof. M. Gourie-Devi

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Curriculum Vitae of Prof. M. Gourie-Devi

Name	Prof. M.Gourie-Devi, MBBS,MD(Med),DM(Neuro),DSc(Hon),FAMS,FIAN,FNAS
Designation	Emeritus Professor of Neurology, Institute of Human Behaviour and Allied Sciences (IHBAS), New Delhi. Honorary Advisor, Neurological Research, Indian Council of Medical Research, New Delhi Senior Consultant in Neurology Chairperson, Department of Neurophysiology Sir Ganga Ram Hospital, New Delhi. <i>Formerly</i> Director - Vice Chancellor and Professor of Neurology, National Institute of Mental Health and Neuro Sciences, Bangalore.

I. Personal Details

Date of Birth Born on 13 December 1938 at Anakapalle, Andhra Pradesh, India.

II. Educational Qualifications

Intermediate Science	1954-56	Andhra University.
M.B.B.S.	1956-61	Andhra Medical College, Visakapatnam.
M.D. (Med)	1962-64	All India Institute of Medical Sciences, New Delhi.
D.M. (Neuro)	1966-68	All India Institute of Medical Sciences, New Delhi.

III. Professional Appointments

1. House Physician, King George Hospital, Visakapatnam, Andhra Pradesh, India, 1961-62.
2. Resident in Internal Medicine, All India Institute of medical Sciences, New Delhi, 1962-64.
3. Registrar in Internal Medicine, All India Institute of Medical Sciences, New Delhi, 1964-1965.
4. Registrar in Neurology, All India Institute of Medical Sciences, New Delhi, 1965-1968.

5. Assistant Professor of Neurology, Osmania Medical College, Osmania University, 1968-1970.
6. Consultant Neurologist and Head of the Department of Neurology, Safdarjang Hospital, Central Government Health Scheme, affiliated to University College of Medical Sciences, University of Delhi, 1970 - 1977.
7. Associate Professor of Neurology, National Institute of Mental Health and Neuro Sciences, Bangalore, India, 1977 - 1979.
8. Professor of Neurology and Head of Department of Neurology, National Institute of Mental Health and Neuro Sciences, Bangalore, India, July 1979 – 1997; continue to be Professor of Neurology from September 1997 till date.
9. Dean of Faculty of Mental Health and Neuro Sciences, Bangalore University, Bangalore, 1990 - 1992.
10. Dean of National Institute of Mental Health and Neuro Sciences, (Deemed University), Bangalore, 1995 - 1997.
11. Director and Vice-Chancellor, National Institute of Mental Health and Neuro Sciences (Deemed University), Bangalore, 1997 - 2002.

IV. Fellow of Professional Academies

1. Fellow of National Academy of Medical Sciences (India), FAMS 1988
2. Fellow of Andhra Pradesh Akademi of Sciences, FAAS, 1994
3. Fellow of Indian Academy of Neurology, FIAN 1995
4. Fellow, The National Academy of Sciences, Allahabad, FNASc 1998

V. Awards / Distinctions / Honours in Educational Career

1. Sonti Annapurnamma Gold Medal for University first in Intermediate Science, Andhra University, 1956.
2. First Honours certificate in Pharmacology, Andhra Medical College, 1958.
3. Bhaskar Menon Prize in Pathology, Andhra Medical College, 1958.
4. Distinction in Pathology, Andhra University, 1958.
5. Tatachari Gold Medal in Pathology, Andhra University, 1958.
6. First class in II M.B.B.S. Andhra University, 1958. (only candidate to obtain first class).
7. Jeyapore Sri Vikram Deo Rao Varma Gold Medal in Medicine, Andhra Medical College, 1960.

8. Rajakishore Bhatia Memorial Endowment Medal for the best outgoing student, Andhra University, 1961.
9. "Silver Jubilee Committee" prize for the best outgoing student, Andhra Medical College, 1961.

VI. Awards, Orations, Honours in Professional Career

1. Common Wealth Medical Fellowship from 1973 to 1974, United Kingdom. During this period visited Regional Neurological Centre, New Castle Upon Tyne, for advanced study of Electromyography and nerve conduction, and in the department of Neurology, Royal Free Hospital, London for training in single teased fibres and ultrastructural studies of peripheral nerves.
2. Research Fellowship awarded by the "National fund for Research into the Crippling Disease", United Kingdom, 1974 - 75.
3. "Lt.Col. K.N. Waghay Memorial Gold Medal Oration", College of general practitioners, 1978. The topic of oration was "Peripheral Neuropathy".
4. "Distinguished Scientist", honoured by Andhra Medical College Alumni Association, June 1982.
5. "Dr. P. Gurumurthy Memorial Oration" and awarded the commemoration gold medal. The topic of oration "Modern concepts of peripheral neuropathy - some personal experiences", Indian Medical Association, Visakapatnam, Andhra Pradesh, 1985.
6. "Dr. A.S. Chalapathi Rao Endowment Oration" and awarded commemoration gold medal. The topic of oration "Neuroepidemiology Impact on Research in Neurology", Indian Medical Association, Guntur, Andhra Pradesh, 1986.
7. "Dr. Cyril Fernando Memorial Oration" and awarded commemoration gold medal. The topic of Oration "Motor Neurone Disease in the young", Ceylon College of Physicians, Colombo, Sri Lanka, 1988.
8. "Dr. Yellapragada Subbarao Memorial Oration" and awarded commemoration gold medal. The topic of the oration "Japanese Encephalitis - Challenges in management and control", Indian Medical Association, Vijayawada, 1989.
9. "Dr. G.J.S. Rao Memorial Oration". the topic of oration "Recent Advances in understanding of some neurological diseases", biochemical Society, Indian Institute of Science, Bangalore, 1989.
10. "The First Prof. A.N. Radhakrishnan Memorial Lecture". The topic of oration "Motor neurone diseases - perspectives", Centre for advancement of Biotechnology and Society of Biological Chemists, Bangalore, 1990.
11. "Dr. M.R. Shenoy Memorial Oration". The topic of oration "Neuromuscular disorders in childhood", Canara Pediatric Society, Mangalore, 1991.
12. Honoured for eminence in Medical Research by Indian Medical Association, Bangalore, 1991.

13. “Sarabhai Oration”, Association of Physicians of India, 1992, Topic of Oration - “Motor Neurone Disease-Emerging Concepts”.
14. “Dr.M.S. Sanjeevi Rao Oration”, Nizam’s Institute of Medical Sciences, Hyderabad, 1992. Topic of oration - Disease dynamics of Japanese Encephalitis : Emerging Trends.
15. Vice-President, Indian Academy of Neurology, 1991.
16. “Dr.A. Lakshmipathi Oration, Institute of Neurology, Madras Medical College, Madras, 1994. Topic of oration - Disease dynamics of Japanese Encephalitis : Emerging concepts.
17. Vice President, Neurological Society of India, 1994.
18. President of Neurological Society of India, 1995.
19. Achanta Lakshmipathi Oration. The topic of the oration “Motor Neurone Disease - An Indian perspective”. The National Academy of Medical Sciences, 1995.
20. Prof. N.N. Gupta Oration. The topic of the oration “Peripheral neuropathy - A Panoramic View” King George Medical College, Lucknow, 1995.
21. “Distinguished Medical Scientist”, Andhra Pradesh Akademi of Sciences, Hyderabad, 1996.
22. Dr.B.R. Rama Rao Oration, Indian Academy of Pediatrics, 1997.
- 23 K.N. Rao Oration, Indian Association for Advancement of Medical Education, 1997.
24. Basanti Devi Amir Chand Prize – Indian Council of Medical Research, in recognition of contribution to the field of Neurology, specially in Neuroepidemiology, 1997.
25. Baldev Singh Oration, Topic of oration – Leprous Neuropathy. Sixth Annual Conference of Indian Academy of Neurology, Hyderabad 1998.
26. .Om Prakash Bhasin Award by Shri Om Prakash Bhasin Foundation Trust for outstanding contributions in the field of Health and Medical Sciences, 1998 awarded by the Hon’ble Prime Minister, Shri Atal Behari Vajpayee.
27. Dr. Bhagwatilal - Suman Bhandari Oration, The topic of oration “Neurocysticercosis” V International Conference of Tropical Pediatrics, 1999.
28. Dr. K.S. Shadksharappa Oration. The topic of oration “Motor Neuron Disease – Diagnosis and Therapeutic Challenges” Medical Education and Research Trust, Bangalore, 2000.
29. Dr. Harish Chandra Oration. The topic of oration “Neuromuscular disorder in infancy and childhood” AP Pedicon 2000, Vishakapatnam, 2000.
30. N Chatterji Oration, Association of Neuroscientists of Eastern India, 2000

31. Dr. S.G. Desai Oration. The topic of the oration “Acute viral encephalitis in childhood”, Indian Academy of Pediatrics, Bangalore 2000.
32. Dr. K.V. Mathai Oration. The topic of the oration “Neurology and aging” GNRC Institute of Neurological Sciences, GNRC Heart Institute, Dispur, 2001.
33. Dr. P.M. Mehta Memorial Lecture. The topic of the oration “Neurology of Aging” Institute of Post Graduate Teaching and Research in Ayurveda, Gujarat Ayurved University, Jamnagar, Gujarat, July 2001.
34. Dr. Yellapragada Subba Row Memorial Lecture. The topic of the oration “Neurology of Aging” University of Hyderabad, Hyderabad, August 2001.
35. Second “Centre for DNA Finger Printing and Diagnostics (CDFD) Distinguished Lecture”, Hyderabad on “Acute Viral Infections of the Nervous Systems with special reference to Japanese Encephalitis” October 2001.
36. Prof. Baldev Singh Oration Award. Topic of the oration “Motor neurone disease – a journey: Opportunities and challenges”, Association of Physiologists and Pharmacologists of India, Pune, December 2001.
37. Gangadevi Eminent Citizen Award 2001, presented by Gen. K.V. Krishna Rao, former Governor of Jammu and Kashmir and Chief of Staff, Indian Army, Hyderabad, January 2002.
38. Awarded D.Sc (Honoris Causa) by NTR University of Health Sciences, Vijayawada, Andhra Pradesh, February 2002.
39. Chief Guest, VI Convocation of NTR University of Health Sciences, Andhra Pradesh, and delivered convocation address “Clinical Research: Opportunities and Challenges”, Vijayawada, Andhra Pradesh, February 2002.
40. Mrs. Shoba Arjun Das Oration – Topic of Oration “Epidemiology of epilepsy and its impact on health care service planning” awarded by Indian Epilepsy Society, Third Joint Annual Conference of Indian Epilepsy Association and Indian Epilepsy Society, Lucknow, October 2002.
41. Dr. Baldev Singh Oration Award. The topic of the oration “Japanese Encephalitis: Lessons learnt and future perspective”, Neurological Society of India, Cochin, December 2002.
42. Dr.B.C.Roy Award in the category of Eminent Medical Person, Medical Council of India, 2001, Awarded by His Excellency, The President of India, Shri A.P.J AbdulKalam in 2004.
43. Mahila Ratna Award, Tamil Nadu Arya Vysya Mahila Sabha, Chennai, December 2003.
44. Awarded "General Amir Chand Oration", All India Institute of Medical Sciences, New Delhi, 2003.
45. Emeritus Professor of Neurology, Institute of Human Behaviour and Allied Sciences (IHBAS), New Delhi, 2004-2006.

46. Awarded "Dr.Dayananda Rao Oration", Andhra Pradesh Neuro Scientists Association, Hyderabad, June 2004.
47. B. C. Bansal - Uma Bansal Oration. Topic of oration “ Atypical presentation of tuberculosis meningitis XVI – Annual CME”, Association physicians of India, Delhi state chapter, October 2005

VII. Visiting Professor/ Guest Speaker

1. JALMA, Agra, 1975 and 1976.
2. Guntur Medical College, Guntur, Andhra Pradesh, 1977.
3. Osmania Medical College, Hyderabad, Andhra Pradesh, 1978.
4. Medical College, Guntur, Andhra Pradesh, 1978.
5. JJM Medical College, Davanagere, Karnataka, 1979.
6. JN Medical College, Belgaum, Karnataka, 1980.
7. Indian Institute of Science, Bangalore, 1981.
8. Kakatiya Medical College, Warangal, Andhra Pradesh, 1982.
9. Andhra Medical College, Visakapatnam, Andhra Pradesh, 1982.
10. Kasturba Medical College, Manipal, Karnataka, 1983.
11. St. John’s Medical College, Bangalore, 1985.
12. Regional Neurologist Centre, New Castle Upon Tyne, UK, 1985.
13. Department of Neurology, Hua Shan Hospital, Shanghai, China, 1986.
14. Mysore Medical College, Mysore, 1987.
15. King George Medical College, Lucknow, 1988.
16. Montreal Neurological Institute, Montreal, Canada, January, 1990.
17. National Institute of Neurological Disorders and Stroke, National Institute of Health, Bethesda, Maryland, USA, 1990.
18. Tel Aviv-Elias Sourasky Medical Centre, Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel, June 1992.
19. Dijkzigt Hospital, University of Hong Kong, Hong Kong, November, 1993.

20. University Hospital, Rotterdam, The Netherlands 1993.
21. Singapore General Hospital, Postgraduate Medical Institute, Singapore, October, 1995.
22. Middlesbrough General Hospital, Middlesbrough, UK, 1995.
23. Institute of Psychiatry, University of London, UK, 1995
24. Regional Neurological Centre, New Castle General Hospital, New Castle-upon-Tyne, UK, 1995.
25. University of Peradeniya, Kandy, Sri Lanka, 1998.
26. Kurnool Medical College, Kurnool, Andhra Pradesh, 2000.
27. University of Miami, Miami, Florida, USA, 2003.
28. Columbia Presbyterian Hospital, New York, USA, 2003

VIII. Member of International and National Academic and Scientific Committees

1. Member, Executive Committee of the Neurological Society of India, 1977 - 1980.
2. Expert, Medical Council of India to inspect the facilities for commencing DM course in Neurology at Stanley Medical College, Madras, 1978.
3. Member, Karnataka Medical Council, Department of Health and Family Welfare, Government of Karnataka, 1982-1985.
4. Member, State Leprosy Advisory Committee, Government of Karnataka, 1981-1983.
5. Member, Institute of Electroencephalography team of Indian Standards Institute, 1980-1988.
6. Member Ethical committee of St.John's Medical College, Bangalore, 1980-1983.
7. Member, Subcommittee for "Development Council on Instrumentation Industry", Directorate General of Technical Development, New Delhi, 1983-1985.
8. Member, "Policy Guidance Committee" for the implementation of the National Leprosy Eradication Programme, Government of Karnataka, 1984-1990.
9. Member of committee of "National Board of Examinations", for inspection of Jaslok Hospital, Bombay, 1984.
10. Member, Scientific Advisory Committee, National Institute of Virology (ICMR), Poona, 1984.
11. Member, Programme Advisory Committee on Neurobiology, Department of Science and Technology, New Delhi, 1986-1991.

12. Member Programme Advisory Committee on Bhopal Tragedy, Indian Council of Medical Research, 1986- .
13. Member, Scientific Advisory Committee, Institute of Genetics, (Osmania University), Hyderabad, 1986-1987.
14. Member, Scientific Advisory Group on “Neurological Sciences”, Indian Council of Medical Research, New Delhi, 1986- .
15. Member, Medical Council of India to inspect DM Neurology examination of Bombay University and assess facilities for providing training to postgraduates in DM Neurology, 1988.
16. Member of the Central Executive Committee of the XIV World Congress of Neurology (India) Trust, 1991.
17. Member, Committee on “Acute Flaccid paralysis”, World Health Organization, 1992.
18. Member, Committee on “Neurology in Public Health”, World Health Organization, 1993.
19. Member, World Health Organization Expert Advisory panel on Neurosciences, 1993-1997. Extended for another term, 1997-2003.
20. Member, Council of the National Academy of Medical Sciences, 1994-1997.
21. Convener, Sub-group on Neurological, Neurosurgical, Psychiatric Disorders and Addictions, of the Technological Information, Forecasting and Assessment Council (TIFAC) for 2020. Department of Science and Technology, New Delhi, 1994.
22. Member, Scientific Working Group for Cardiovascular Research, Indian Council of Medical Research, New Delhi, 1994.
23. Member, Programme Advisory Committee in Health Sciences, Science and Engineering Research Council, Department of Science and Technology, Government of India, New Delhi, 1995-1998.
24. Member, Scientific Advisory Committee, ICMR-NIC Centre, New Delhi, 1996.
25. Member, Monitoring Committee for Research Projects in Biosciences, University Grants Commission, 1996.
26. Member, Central Ethical Committee on Human Research, Indian Council of Medical Research, New Delhi, 1997.
27. Member, Task Force on Medical Biotechnology, Immudiagnosics, Vaccines and Neurosciences, Department of Biotechnology, New Delhi, 1997-2000.
28. Member, Advisory-cum-Management Committee, National Brain Research Centre, Department of Biotechnology, Ministry of Science and Technology, Government of India, New Delhi, 1998

29. Member, Research Council, Centre for Biotechnology, Council of Scientific and Industrial Research, New Delhi, 1998.
30. Vice-Chairperson, "Standards for Neurological Care and Technology Committee", World Federation of Neurology, 1998.
31. Member, Life Sciences Research Board, Defence Research and Development Organisation, Ministry of Defence, New Delhi, 1998.
32. Member, Board on Global Health, Nervous System Disorders in Developing Countries Institute of Medicine, Washington, 1999.
33. Member, Governing Body, National Brain Research Centre, (Department of Biotechnology), New Delhi, 1999.
34. Member, Management Council of the Society for Biomedical Technology, Defence Research and Development Organisation, Ministry of Defence, New Delhi, 1999.
35. Member, Armed Forces Medical Research Committee, Ministry of Defence, New Delhi, 2001-2004.
28. Member, Medical Sciences Research Committee, Council of Scientific & Industrial Research, New Delhi, 2001-2004.
29. Member, Finance Committee, National Brain Research Centre (Department of Bio-technology), New Delhi.
30. Chairperson, Advisory Committee for "Advanced Centre in Aging", Hyderabad, Indian Council of Medical Research, 2002 -2007.
39. Member, Scientific Advisory Group for Non-Communicable Diseases, Indian Council of Medical Research, New Delhi.
40. Chairperson, Task Force on Neurosciences, Indian Council of Medical Research, New Delhi.
41. Member, Task Force on Japanese Encephalitis, Indian Council of Medical Research, New Delhi.
42. Honorary Advisor for Neurological Research, Indian Council of Medical Research, New Delhi.
43. Vice President of National board of Examinations, Ministry of Health and Family Welfare, Government of India, 2001-2004.
44. Member of NIH Peer-review panel on Brain Disorders, National Institute of Neurological Disorders And Stroke, USA, 2003.
45. Member, Task force on Medical Biotechnology, Immunodiagnostics and Vaccines, Department of Biotechnology, New Delhi, 2002-2005.
46. Member, Governing Body, Central Council for Research in Ayurveda and Siddha, Ministry of Health

and Family Welfare, Government of India.

47. Member, Advisory Committee of Indian Council of Medical Research, Centre for Advanced Research in Traditional Medicine (yoga), Swami Vivekananda Yoga Research Foundation, Bangalore.
48. Member of the Scientific Advisory Board of Indian Council of Medical Research, 2003- 2006.
49. Member of World Health Organisation Expert Advisory Panel on Neurosciences, 2004-2006.
50. Member of General Body of Institute of Human Behaviour and Allied Sciences (IHBAS), Delhi, 2004-2006.
51. Expert Advisor, Development of Neurological Services, in the state of Madhya Pradesh, August 2005.
52. Expert Member of “International Brain Disorder”, Review committee, National Institute of Health, Alexandria, Virginia, USA, November 2005.
53. Chairperson, “Institutional Ethics Committee (IEC)”, University of Delhi, South Campus, 2006.
54. Chairperson, “Institutional Review Board (IRB)”, University of Delhi, South Campus, 2006.
55. Member of Management Committee of Ranchi Institute of Neuro-Psychiatry and Allied Sciences, Ranchi, 2006-2009.

IX. Member of International and National Professional associations

1. Member of Neurological Society of India, 1966-
2. Founder Member of Indian Epilepsy Association, 1970-
3. Member of Indian Medical Association, 1971-
4. Member of Indian Association of Leprologists, 1975-
5. Member of Association of Physicians of India, 1981-
6. Member of Founders of the College of Hanseniology of the Endemic Countries - S.Paulo, Brazil, 1977
7. Member of International Federation of Societies for Electroencephalography and Clinical Neurophysiology, 1987-
8. Member of World Federation of Neurology Research Committee on Neuroepidemiology, 1982-
9. Associate Member of World Federation of Neurology Research Group on Neuromuscular Diseases, 1982-

10. Member of International Epidemiology Association, 1990-
11. Member of World Federation of Neurology Research Group on Tropical Neurology, 1989-
12. Official Delegate of Neurological Society of India, to the International Federation of Societies for Electroencephalography and Clinical Neurophysiology (IFSECN), 1990 – 1996.
13. Official delegate of Indian Academy of Neurology to the International Federation of Societies for Electroencephalography and Clinical Neurophysiology (IFSECN), 1997-2001.

X. Editor / Editorial Board

1. Member, Editorial Board, NIMHANS Journal - Journal of National Institute of Mental Health and Neuro Sciences.
2. Member, Editorial Board, Neurology India - The official Journal of Neurological Society of India.
3. Member, International Board of Consulting Editors of Electroencephalography and Clinical Neurophysiology.
4. Member, Editorial Board, Neuroepidemiology.
5. Member, Editorial Board, Journal of Tropical and Geographical Neurology.
6. Member, Editorial Board, Journal of Association of Physicians of India.
7. Reviewer for National Journals - Indian Journal of Medical Research, Current Science.
8. Reviewer for International Journals – Muscle and Nerve; Journal of Neurology, Neurosurgery and Psychiatry; Journal of Neurological Sciences.
9. Founder Editor of Annals of Indian Academy of Neurology (1997-2001).
10. Member, Editorial Board, The Lancet Neurology.

XI. Organisational Activity

1. Organising Secretary of the 29th Annual Conference of Neurological Society of India, 1979.
2. Convenor of the Workshop on “Recent Advances in Leprosy Research” held under the auspices of the World Health Organisation, Indian Council of Medical Research, Directorate General of Health Services and National Institute of Mental Health and Neuro Sciences, 1980.
3. Organising Secretary of “Neurovirology Seminar” held under the auspices of National Health and Neuro Sciences, Bangalore, 1982.

4. Organising Secretary of “International Symposium on Motor Neurone Disease” sponsored by National Institute of Mental Health and Neuro Sciences, and Indian Council of Medical Research, Bangalore, 1984.
5. Member of the Programme Committee of International Congress of Electromyography and Clinical Electrophysiology, Sorrento, Italy, 1987.
6. Member of the Scientific Committee of XIVth World Congress of Neurology, New Delhi, 1989.
7. Chairman, Scientific Exhibition, 19th International Epilepsy Congress, New Delhi, 1989.
8. Organising Secretary of Symposium on “Infections of the Nervous System”, sponsored by World Health Organisation, Bangalore, 1989.
9. Course Co-ordinator, III Course in Neurobiology for postgraduate students in Clinical Neuro Sciences, Department of Science and Technology, Bangalore, 1990.
10. Organising Secretary, National Workshop on Neuroepidemiology, sponsored by Indian Council of Medical Research, National Academy of Medical Sciences, XIVth World Congress of Neurology (India) Trust and National Institute of Mental Health and Neurosciences, Bangalore, 1994.
11. Organised a National Workshop on Public Health Aspects of Epilepsy for Senior Personnel of State Health Department sponsored by World Health Organisation, National Institute of Mental Health and Neurosciences, Bangalore, January 1999.
12. Organised six “National Training Workshops on Epilepsy for District Medical Officers” by World Health Organisation, National Institute of Mental Health and Neuro Sciences, Bangalore, 1999 to 2001.
13. Organised “National Workshop for Nodal Neurology” as a component of Natural Epilepsy Control Programme. Sponsored by World Health Organisation, National Institute of Mental Health and Neuro Sciences, Bangalore, 2001.

XII.Examiner

1.0 Examiner in Neurology for DM in Neurology.

- 1.1 All India Institute of Medical Sciences.
- 1.2 University of Madras, Madras.
- 1.3 Institute of Medical Sciences, Osmania University, Hyderabad.
- 1.4 Madurai Kamaraj University, Madurai.
- 1.5 Sree Chitra Tirunal Institute of Medical Sciences, Trivandrum.
- 1.6 Postgraduate Institute of Medical Education and Research, Chandigarh.

1.7 Calcutta University, Calcutta.

2.0 Examiner for Ph.D.

2.1 All India Institute of Medical Sciences

2.2 University of Madras, Madras

2.3 University of Hyderabad, Hyderabad.

2.4 Sanjay Gandhi Postgraduate Institute of Medical Education and Research, Lucknow.

3.0 Examiner for National Boards

3.1 Diplomate of National Board of Examination, Neurology.

XIII. Research Projects (Funded)

1. Title – A study of the cerebral arteries in the neonates and its possible role in pathogenesis of intracranial aneurysms.
Principal Investigator – M. Gourie-Devi
Co-investigator – S. Sriramachari, Indian Registry of Pathology, ICMR
S. Ghosh, Safdarjang Hospital, New Delhi
Funding Agency – Indian Council of Medical Research, New Delhi
Period of project – 1972 to 1974.
2. Title – Japanese Encephalitis.
Principal Investigator – M. Gourie-Devi
Funding Agency – National Institute of Mental Health and Neurosciences, Bangalore.
Period of project – 1980 to 1985.
3. Title – Early diagnosis of nerve involvement in leprosy.
Principal Investigator – M. Gourie-Devi
Funding Agency – Indian Council of Medical Research, New Delhi.
Period of project -1980 to 1981
4. Title – Effect of hyaluronidase on experimental arachnoidal adhesions
Principal Investigator – M. Gourie-Devi
Co-investigator – DH Deshpande
Funding Agency – Indian Council of Medical Research, New Delhi
Period of project – 1980 to 1983.
5. Title – Intrathecal hyaluronidase in the prevention of complication of tuberculous meningitis.
Principal Investigator – M. Gourie-Devi
Co-Investigator – P. Satish Chandra
Funding Agency – Indian Council of Medical Research, New Delhi.

Period of project – 1982-1984

6. Title - Study group on Acute Hemorrhagic conjunctivitis
Principal Investigator – N.H. Wadia
Co-Investigator – M. Gourie-Devi
Funding Agency – Indian Council of Medical Research, New Delhi
Period of project – 1982 to 1983.
7. Title – Neuroepidemiological study in Gowribidanur (Kolar District)
Principal Investigator – M. Gourie-Devi
Co-Investigator – VN Rao
Funding Agency – National Institute of Mental Health and Neurosciences, 1986
Period of project – 1982 to 1986.
8. Title – Neural leprosy cell
Principal Investigator – M. Gourie-Devi
Funding Agency – National Institute of Mental Health and Neurosciences, Bangalore.
Period of project – 1982 to 1991.
9. Title – Quantitative morphometric studies in peripheral neuropathies.
Principal Investigator – M. Gourie-Devi
Co-Investigator – Sarala Das
Funding Agency – National Institute of Mental Health and Neurosciences, Bangalore.
Period of project – 1983 to 1986.
10. Title – Sodium valproate drug trial in epilepsy
Principal Investigator – M. Gourie-Devi
Co-investigator – P. Satishchandra
Funding Agency – Reckitt & Colman of India Ltd., Calcutta
Period of project - 1983 to 1986
11. Title – Scope of enzyme hyaluronidase in management of spinal and cranial arachnoiditis
Principal Investigator – M. Gourie-Devi
Co-Investigator – P. Satishchandra
Funding Agency – Rallis India Limited, Mumbai
Period of project – 1984 to 1988.
12. Title – Pilot study of the Collaborative study on neuroepidemiology
Principal Investigator – M. Gourie-Devi
Co-investigator – P. Satishchandra,
G. Gururaj
Funding Agency – Indian Council of Medical Research, New Delhi
Period of project – 1989 to 1990.
13. Title – Morphology of skeletal muscle in congenital myopathies, infantile spinal muscular atrophies and foetuses – a comparative study.
Principal Investigator – Sarala Das
Co-investigator – M.Gourie-Devi
Funding agency – National Institute of Mental Health and Neurosciences, Bangalore.
Period of project – 1990 to 1992.

14. Title – Clioquinol Research Project
Principal Investigator – T.K. Gosh, Calcutta
Co-investigator – M. Gourie-Devi
Funding Agency - National Collaborative project funded by East India Pharmaceuticals Ltd
Period of project – 1990 to 1991
15. Title – Case control study of monomelic amyotrophy (A benign variant of Motor neurone disease)
Principal Investigator – M. Gourie-Devi
Co-Investigator – G. Gururaj
Funding Agency – National Institute of Mental Health and Neurosciences, Bangalore.
Period of project – 1991 to 1992.
16. Title – Biochemical mechanisms underlying the therapeutic action of intrathecal hyaluronidase in spinal arachnoiditis.
Principal Investigator – M. Gourie-Devi
Co-Investigators – Vijayalakshmi Ravindranath
P. Satishchandra
Funding Agency – Rallis India Limited, Mumbai
Period of project – 1991 to 1993.
17. Title – Evaluation of short-course treatment of tuberculous meningitis in adults – A controlled trial
Principal Investigator – M. Gourie-Devi
Co-investigator – A. Chandramuki, P. Satish Chandra
Funding Agency – XIV World Congress of Neurology India Trust
Period of project – 1992 to 1993.
18. Title - Motor Neurone Disease – Evaluation of circulating toxic factors on motor neuron degeneration through cytoskeletal changes – A study using cultured neurones as an experimental model.
Principal Investigator – T.R.Raju
Co-Investigator – M. Gourie-Devi
Funding Agency – National Institute of Mental Health and Neurosciences, Bangalore.
Period of project – 1992 to 1994.
19. Title -Evaluation of short-course treatment of tuberculous meningitis in adults – A controlled trial.
Principal Investigator – M. Gourie-Devi
Co-investigator – A. Chandramukhi, P. Satish Chandra
Funding Agency – Medical Education and Research Trust (R), Karnataka, Bangalore
Period of project – 1993 – 1994.
20. Title – Correlation of clinical and immunological profiles in cases of neurotuberculosis with special emphasis on tuberculous meningitis.
Principal Investigator – A. Chandramukhi
Co-investigator – M. Gourie-Devi
Funding Agency – National Institute of Mental Health and Neurosciences, Bangalore.
Period of project – 1993 to 1994.

21. Title – Neuroepidemiological Survey in Urban and Rural Population: A prevalence study.
House to house survey.
Principal Investigator – M. Gourie-Devi
Co-Investigator – G. Gururaj
P. Satishchandra
D.K. Subbakrishna
Funding Agency – Indian Council of Medical Research, New Delhi
Period of project – 1993 to 1995.
22. Title – Assessment of disabilities among hospitalised neurological and neurosurgical patients at NIMHANS.
Principal Investigator – A.B. Taly
Co-Investigator – G. Gururaj
M. Gourie-Devi
B.S. Das
Funding Agency – National Institute of Mental Health and Neurosciences, Bangalore
Period of project – 1994 to 1996.
23. Title – Evaluation of significance of mycobacterial immune complexes in CSF in tuberculous meningitis.
Principal Investigator – S.A. Patil
Co-investigator – A.Chandramukhi
M.Gourie-Devi
Funding Agency – National Institute of Mental Health and Neurosciences, Bangalore
Period of project – 1994 to 1995.
24. Title – Molecular genetics of myotonic dystrophy
Principal Investigator – SK Brahmachari
Co-Investigator – M. Gourie-Devi
Funding Agency – TDM Project, Department of Biotechnology, New Delhi.
Period of project – 1994 to 1997.
25. Title – Amyotrophic lateral sclerosis and possible neuroprotection by cyclophosphamide - An in vivo and invitro experimental study on the rat spinal cord.
Principal Investigator – M. Gourie-Devi,
Co-Investigator – T.R.Raju
Pool Officer – A. Nalini
Funding Agency – Council of Scientific and Industrial Research, New Delhi
Period of project – 1996 to 1997.
26. Title – Molecular genetic studies of dystrophin gene in Duchenne / Becker Muscular in South India.
Principal Investigator – M.Gourie-Devi
Co-investigator – S.K.Brahmachari, Director, Central for Biochemical Technology, CSIR, New Delhi.
Funding Agency – National Brain Research Centre, New Delhi.
Period of project – 1999 to 2001.

28. Title – Motor neuronal degeneration and astrocytic reactions induced by CSF from patients with ALS and attenuation by cyclophosphamide: An invivo and in vitro investigation using a rat model.
Principal Investigator – T.Raju
Co-investigator – M. Gourie-Devi
Y. Ramamohan
Funding Agency – Life Science Research Board, Defence Research and Development Organisation.
Period of project – 1999 to 2001.
29. Longitudinal neurological progression of HIV – I and HIV – 2.
Principal Investigator – P Satishchandra, Mahendrakumar (USA)
Consultant – M. Gourie-Devi
Funding Agency – NIH-ROI Grant, USA
Period of project – 2001 to 2006.
30. The prevalence of Restless legs syndrome and sleep disordered breathing in Adult Indian population:
A community and hospital based study.
Principal Investigator - Manvir Bhatia
Co-Investigator - M. Gourie-Devi
Funding Agency - Indian Council of Medical Research
Period of Project - 2004-2007
31. Pharmacogenomics of first line Antiepileptic Drugs
Principal Investigator-M.Gourie-Devi
Co-Investigator- Meena Gupta, Kiran Bala, Sangeeta Sharma, Ritu Shri,
Narayanasamy
Funding Agency- Council of Scientific and Industrial Research
Period of Project- 2005-2007

XIV. International Conferences / Workshops / Symposia/ Invited Speaker

1. Phrenic nerve conduction time in Guillain-Barre Syndrome, III Asian Oceanian Congress of Neurology, Bombay, 1971.
2. Involvement of central nervous system in human leprosy cerebrospinal fluid inoculation in to mouse foot pad, III Asian Oceanian Congress of Neurology, Bombay, 1971.
3. Inter nodal length in the sural nerve in leprosy neuropathy, X International Leprosy Congress, Bergen, Norway, August, 1973.
4. Immunological mechanism of nerve injury in early leprosy neuropathy, XXIV International Congress of Physiological Sciences, New Delhi, 1974.
5. Peripheral Neuropathy due to Clioquinol toxicity, IV International Congress on Neuromuscular Disease Montreal, Canada, 1978.

6. Invited to the IV International Symposium on “Post-traumatic peripheral nerve regeneration” sponsored by WHO, Padua, Italy, 1980.
7. Invited talk “Multiple Sclerosis in South India”, workshop on “Multiple Sclerosis” 12th World Congress of Neurology, Kyoto, Japan, 1981.
8. Conduction study of dorsal cutaneous branch of ulnar nerve in normal human subjects and in leprosy. 10th International Congress of Electroencephalography and Clinical Neurophysiology, Kyoto, Japan, 1981.
9. Acute Motor Neuropathy in Diabetes Mellitus, V International Congress of Neuromuscular Diseases, Marseilles, France, 1982.
10. Invited talk “Monomelic Amyotrophy - Atypical and Benign form of Motor Neurone Disease in India”, Asian and Oceanian Workshop on “Amyotrophic Lateral Sclerosis”, 6th Asian and Oceanian Congress of Neurology, Taipei, Taiwan, 1983.
11. Electrophysiological studies in Leprous Neuropathy, 6th Asian and Oceanian Congress of Neurology, Taipei, Taiwan, 1983.
12. Hyaluronidase therapy as an adjuvant in the management of tuberculous spinal Arachnoiditis, 6th Asian and Australasian Congress of Neurological Surgery, Hongkong, 1983.
13. Sensory nerve conduction study of dorsal cutaneous branch of Ulnar nerve in Leprosy, XII International Leprosy Congress, New Delhi, 1984.
14. Invited talk “Neuroepidemiological study in semiurban and rural areas in the South India : a report on the pattern of Neurological disorders including Epilepsy”, workshop on “Epilepsy” sponsored by the Commonwealth Association for Mental Handicap and Developmental Disabilities, Bombay, 1985.
15. Greater auricular nerve conduction in Leprosy, Xith Congress on Electroencephalography and Clinical Neurophysiology, London, 1985.
16. Invited speaker to discuss “Epidemiology of Motor Neurone Disease”, at the Main Theme session “Neuroepidemiology and clinical trials” XIIIth World Congress of Neurology, Hamburg, 1985.
17. Clinical and electrophysiological aspects of infectious polyradiculopathy seen in infancy and child, Vth Asian Congress of Paediatrics, Kuala Lumpur, 1985.
18. Invited talk “Neuroepidemiology in India” Neuroepidemiology Research workshop, Beijing, Peoples Republic of China, 1986.
19. Invited talk “Tropical Neuropathies”, VII International Congress of EMG and Related clinical Neurophysiology, Sorrento, Italy, 1987.
20. Invited talk “Clinical Evaluation of Neuromuscular Respiratory function”, Regional Symposium on Evoked Potentials and Clinical Neurophysiology, Bali, Indonesia, 1987.

21. Epidemic of acute inflammatory myopathy in South India, A clinical electromyographic and morphologic study of 23 patients, VIII International Congress of EMG and Related Clinical Neurophysiology, Sorrento, Italy, 1987.
22. Invited talk "Spinal Arachnoiditis", 21st Anniversary session, Ceylon College of Physicians, Colombo, Sri Lanka, 1988.
23. Invited talk "Japanese Encephalitis", 21st Anniversary session, Ceylon College of Physicians, Colombo, Sri Lanka, 1988.
24. Invited talk "Tropical Neuropathy", 21st Anniversary session, Ceylon College of Physicians, Colombo, Sri Lanka, 1988.
25. Invited talk "Differential Diagnosis of Dementia", 21st Anniversary session, Ceylon College of Physicians, Colombo, Sri Lanka, 1988.
26. Invited talk "Molecular mechanisms underlying nerve damage - some aspects of leprous neuropathy", INDO-US, Symposium on "Molecular mechanisms underlying neuronal response to damage" Bangalore, 1989.
27. Invited talk "Neurological tools in the early diagnosis of nerve damage in leprosy", INDO-US workshop on Leprosy Research, Central Jalma Institute for Leprosy (Indian Council of Medical Research), Agra, 1989.
28. Invited talk "Epidemiology of Epilepsy in India" in Symposium "Neuroepidemiology", XIV World Congress of Neurology, New Delhi, 1989.
29. Factors determining occurrence of complications in culture proven tuberculous meningitis - a ten year (1978-87) experience at NIMHANS, India, XIV World Congress of Neurology, New Delhi, 1989.
30. Invited talk "Neuroepidemiology in developing countries" in symposium "Neurological Services in developing countries", XIV World Congress of Neurology, New Delhi, 1989.
31. Muscular Dystrophy in girls in South India. XIV World Congress of Neurology, New Delhi, 1989.
32. Late infantile metachromatic leuco dystrophy, XIV World Congress of Neurology, New Delhi, 1989.
33. Floppy infant syndrome : A clinical, electrophysiological and histopathological study, XIV World Congress of Neurology, New Delhi, 1989.
34. Japanese Encephalitis virus specific IgM antibodies in serum and cerebrospinal fluid of patients with Guillain-Barre syndrome, XIV World Congress of Neurology, New Delhi, 1989.
35. Invited talk "Sensory conduction and refractoriness in leprous neuropathy" in Symposium "Clinical Neurophysiology in Infectious diseases", XII International Congress of Electroencephalography and clinical neurophysiology, Rio de Janeiro, Brazil, 1990.
36. Delivered Research seminar "Motor Neurone Disease : Asian Varieties", Montreal Neurological Institute, Montreal, Canada, 1990.

37. Attended the annual meeting of the World Federation of Neurology Research Group in Neuro-epidemiology, Miami Beach, Florida, USA, 1990 and attended the meeting of the American Academy of Neurology, 1990.
38. Variable histomorphology of muscle in congenital muscular dystrophy, VII International Congress of Neuromuscular diseases, Munich, Germany, 1990.
39. Muscular dystrophy in girls - A morphological appraisal of muscle biopsies, Satellite meeting, muscular dystrophy research, VII International Congress on Neuromuscular diseases, Venice, Italy, 1990.
40. Epidemiology of epilepsy in India - V Panamerican symposium of Neuroepidemiology, Montevideo, Uruguay, 1991.
41. Tropical spastic paraplegia and tropical ataxic neuropathy in South India - VIII Panamerican Congress of Neurology, Montevideo, Uruguay, 1991.
42. Epidemiology of motor neurone disease in India, Symposium on Neuroepidemiology of Asia, Bangkok, Thailand, 1992.
43. Sensory refractory period in Leprosy - IX International Congress of Electromyography and clinical neurophysiology, Jerusalem, Israel, 1992.
44. Primary neuritic leprosy - IX International Congress of electromyography and clinical neurophysiology, Jerusalem, Israel, 1992.
45. "Acute flaccid paralysis in India", WHO meeting on "The differential diagnosis of acute onset flaccid paralysis : comparison of poliomyelitis, the Guillain-Barre syndrome and related conditions" World Health Organization, Geneva, 1992.
46. Neuropathy in Leprosy, at Second Bangkok symposium on Clinical Neurophysiology, Bangkok, Thailand, 1993.
47. "Neurosciences research in developing countries" at the meeting on "Neurology in Public Health", sponsored by Division of Mental Health, World Health Organization and International School of Neurological sciences, San Servolo Island, Venice, Italy, 1993.
48. "Tuberculous meningitis", University Hospital, Rotterdam, The Netherlands, 1993.
49. "Infective causes of dementia in tropics" and "Motor Neurone Disease emerging trends", 15th Annual Convention of the Philippines Neurological Association, for the theme "Neurology and ageing", Manila, Philippines, 1993.
50. "Tuberculous meningitis - current concepts" and "Motor Neurone Disease", Hongkong Neurological Society, Hongkong, 1993.
51. "Neurological manifestations in chronic industrial exposure to manganese. Second Congress of Tropical Neurology, Limoges, France, 1994.

52. "Neuroepidemiology in India" and "Japanese Encephalitis : An overview", The Mansell Bequest Symposium on Recent Advances in Tropical Neurology, The Medical Society of London, London, U.K., 1995.
53. Invited talk "Nerve conduction studies in Leprous neuropathy" in "Workshop on Assessment of Polyneuropathies", X International Congress of EMG and clinical neurophysiology, Kyoto, Japan, October 1995.
54. Invited talk "Spinal arachnoiditis and its management and Monomelic amyotrophy", Singapore General Hospital, Postgraduate Medical Institute, Singapore, October, 1995.
55. Invited talk "Tuberculous Meningitis" and "Neurocysticercosis" International Symposium on Infectious and Tropical diseases, Kathmandu, Nepal, March 1996.
56. "Tuberculous Spinal Arachnoiditis – A Continuing Challenge", symposium on "Advances in CNS Tuberculosis", guest speaker and a panelist, 9th Asian and Oceanian Congress of Neurology, Seoul, South Korea, September 1996.
57. Japanese Encephalitis – "Problems and New Challenges" and "Epidemiology of Epilepsy in India" 7th Pan-Arab Union of Neurological Sciences Conference, Riyadh, Kingdom of Saudi Arabia, March 1997,
58. "Rehabilitation of patients with neuromuscular disorders", in the Symposium on "Neuromuscular Disorders", International Conference on Current Trends in Psychosocial Rehabilitation and Family Intervention, Bangalore, March 1997.
59. Invited talk on "Motor Neuron Disease – Present insights and future prospects" Neurology update, Neurological Association of Sri Lanka, Colombo, Sri Lanka, July 1998.
60. Invited talk on "Viral Encephalitis" Faculty of Medicine, University of Peradeniya, Kandy, Sri Lanka, July 1998.
61. Expert Committee Meeting on "Nervous System Disorders in Developing Countries", Board on Global Health, Institute of Medicine, Washington DC, USA, November 1999, May 2000.
62. Invited symposium speaker on "Parasitic infections of the nervous system" and "Japanese Encephalitis", 10th Asian and Oceanian Congress of Neurology, Manila, Phillipines, January 2000.
63. Invited Speaker in the Symposium on "Advances in Pathogenesis and Treatment of Amyotrophic Lateral Sclerosis / Motor Neurone Disease and also co-chaired the session on "Motor Neurone Disease", XVII World Congress of Neurology, London. June 2001.
64. Faculty at Summer School of Myology, Institut de Myologie, Pitie-Salpetriere Hospital, Paris, June 2002
65. Guest Lecture " NeuroAIDS" , University of Miami, Miami, Florida, USA, August 2003.

66. Guest Lecture " Monomelic Amyotrophy" Columbia Presbyterian Hospital, New York, USA, August 2003.
67. Project - review Committee Experts meeting, National Institute of Health, Washington, USA, August 2003.
68. Invited Lecture "Monomelic Amyotrophy : Current Concepts", Asian Oceanian Congress of Neurology, Singapore, November 2004.
69. Invited Lecture," Bridging the gap between Neurology and Psychiatry" Wayne State University, Detroit, USA, November 2005.
71. Invited Lecture, "Electrophysiology of Amyotrophic Lateral Sclerosis", International Comprehensive Update on Diagnostics and Therapeutics in Epilepsy (CUTE) and Neuro-Electrophysiology Workshop, New Delhi, February 2006.

XV. National Conferences/ Workshops/ Symposia/ Invited Speaker

1. Measurement of anterior, posterior and middle cerebral arteries with special reference to the sylvian triangle in normal and abnormal angiograms, 16th Annual Conference of Neurological Society of India, Bangalore, 1966.
2. Neurological sequelae of pyrexial illness of unknown aetiology, 17th Annual Conference of Neurological Society of India, New Delhi.
3. Estimation of plasma cortisol in increased intracranial tension before and after infusion of mannitol, 19th Annual Conference of Neurological Society of India, Hyderabad, 1969.
4. Plasma II-hydroxy corticoid concentration in epilepsy, 19th Annual Conference of Neurological Society of India, Hyderabad, 1969.
5. Blood-brain barrier in leprosy, Annual Conference of Anatomical Society of India, Chinglepet, 1971.
6. Karyotype study in mice after footpad inoculation with cerebrospinal fluid obtained from leprosy patients. Annuals Conference of Anatomical Society of India, Chinglepet, 1971.
7. Study of nerve conduction and pathological changes of peripheral nerves in chronic renal failure, 22nd Annual Conference of Neurological Society of India, Lucknow, 1972.
8. Value of blood and cerebrospinal fluid - gasometric analysis, lactate and pyruvate levels in prognosis of cerebrovascular disease, 22nd Annual Conference of Neurological Society, Lucknow, 1972.
9. Fine structure of sural nerve in uremic neuropathy, 22nd Annual Conference of Neurological Society of India, Lucknow, 1972.
10. Central nervous system in human leprosy, International Symposium on "Immunology of leprosy", Indian Council of Medical Research, New Delhi, 1972.

11. Mechanical artefacts in nerve biopsy, 25th Annual Conference of the Neurological Society of India, Chandigarh, 1975.
12. Quantitative histology, single teased fibre and ultrastructural study of leprosy neuropathy, 25th Annual Conference of the Neurological Society of India, Chandigarh, 1975.
13. Invited talk "Neurodiagnostic aids in the diagnosis and management of stroke", Indian Medical Association, Rohtak, 1976.
14. Clinical and electrophysiological studies of pressure palsy. 27th Annual Conference of Neuro-logical Society of India, Pune, 1977.
15. Invited talk "Tuberculous Meningitis", Indian Medical Association, Vijayawada, Andhra Pradesh, 1977.
16. Diagnostic approach to peripheral neuropathy - Continuing Medical Education Programme, 28th Annual Conference of Neurological Society of India, Trivandrum, 1978.
17. Use of Intrathecal hyaluronidase in spinal arachnoiditis complicating tuberculous meningitis, 28th Annual Conference of Neurological Society of India, Trivandrum, 1978.
18. Merit and limitations of Electroencephalography in brain tumours. National Seminar on "Neuro-Oncology", NIMHANS, Bangalore, 1979.
19. Monitoring the activity of hyaluronidase in CSF of patients on hyaluronidase therapy, Society of Biological Chemists, 1979.
20. Invited talk "Peripheral Neuropathy", Indian Medical Association, Course on Advances in Medicine, Bangalore, 1979.
21. Biochemical monitoring of spinal fluid constituents in patients with arachnoiditis of intrathecal hyaluronidase therapy, 19th Annual Conference of Neurological Society of India, Bangalore 1979.
22. Trial of enzymotherapy in intracranial arachnoiditis, 19th Annual Conference of Neurological Society of India, Bangalore 1979.
23. Clinical and EEG features on Japanese Encephalitis, 17th Annual Conference of the Indian Association of Paediatrics, Bangalore, 1980.
24. Use of hyaluronidase in the treatment of cranial arachnoiditis following tuberculous meningitis, 17th Annual Conference of Indian Association of Paediatrics, Bangalore, 1980.
25. Importance of electromyography and nerve conduction studies in leprosy, WHO Workshop on Recent Advances in Leprosy Research, Bangalore, 1980.
26. Technique of sensory conduction study of dorsal branch of ulnar nerve : Observation in controls and leprosy neuropathy. XXX Annual Conference of Neurological Society of India, Calcutta, 1980.

27. Invited talk, "Hyaluronidase in the management of spinal and cranial arachnoiditis", International meeting on Neurological Sciences, Bombay, 1981.
28. Invited talk, "Japanese Encephalitis in Karnataka", International meeting on Neurological Sciences, Bombay, 1981.
29. Invited talk, "Modern Management of Epilepsy", in the panel discussion on "Recent advances in epilepsy", Association of Physicians of India, Kakinada, 1982.
30. Invited talk, "Japanese Encephalitis", 3rd Annual Conference of Indian Academy of Paediatrics, Kothagudem, 1982.
31. Non-operative management of hydrocephalus. Mid-term seminar on Paediatric Neurosurgery, Bangalore, 1982.
32. Invited talk, "Spinal arachnoiditis - an overview", III Annual Conference of Association of Physicians of India, Bangalore, 1982.
33. Invited talk, "Clinical aspects and experience in the management of Japanese Encephalitis, Indian Council of Medical Research, New Delhi, 1982.
34. Invited talk, "Sensory nerve conduction in peripheral neuropathy and phrenic nerve conduction", Workshop in Clinical Neurophysiology, Madras, 1982.
35. Invited talk, "The Enigma of Headache", Indian Medical Association, Anakapalle, Andhra Pradesh, 1982.
36. Viral infections of Central Nervous system. 32nd Annual Conference of Neurological Society of India, Cuttack, 1982.
37. Invited talk, "Neurological aspects of neck pain" National seminar on "neck pain", All India Association of Physical Medicine and Rehabilitation and Indian Council of Medical Research, New Delhi, 1983.
38. Invited talk, "Japanese Encephalitis in Children, Seminar on "Infections of Nervous system in children", Neurological Society of India, Bombay, 1983.
39. Invited talk, "Role of hyaluronidase in hydrocephalus occurring as a complication of tuberculous meningitis:", Seminar on "Infections of nervous system in children", Neurological Society of India, Bombay, 1983.
40. Invited talk, "Infections of the Nervous System", Indian Medical Association, Bangalore, 1983.
41. Invited talk, "Neuropathies", Annual Conference of Indian Association of Dermatologists and Leprologists, Bangalore, 1983.
42. Invited talk, "Japanese Encephalitis", Indian Medical Association, Anantpur, 1983.

43. Invited talk, "Pathophysiology and treatment of epilepsy", symposium on recent advances in Neurology, Academy of Medical Sciences, Nagpur, 1984.
44. Invited talk, "Non-tuberculous infections on central nervous system", Symposium on recent advances in Neurology, Academy of Medical Sciences, Nagpur, 1984.
45. Invited talk, "Diagnosis and Management of peripheral neuropathy", Symposium on peripheral neuropathy, Indian Medical Association, Bangalore, 1984.
46. Guillain-Barre syndrome in childhood and infancy - An appraisal of 70 cases seen in 15 years (1966-80). 33rd Annual Conference of Neurological Society of India, Madurai, 1983.
47. Invited talk, "Infections of Central Nervous System", Indian Medical Association, Mysore, 1984.
48. Invited talk, "Epilepsy and its management", Indian Medical Association, Hindupur, 1984.
49. Invited talk, "Neuroepidemiological study in semi-urban and rural areas in South India: Preliminary report on the pattern of Neurological disorders including Motor Neurone Disease". International Symposium on Motor Neurone Disease, Bangalore, 1984.
50. Invited talk, "Pattern of Motor Neurone Disease in South India and Monomelic Amyotrophy", International Symposium on Motor Neurone Disease, Bangalore, 1984.
51. Invited talk, "Greater auricular nerve conduction in leprosy", 34th Congress of Neurological Society of India, Varanasi, 1984.
52. Invited talk, "Neuroepidemiology", Indian Medical Association and Neurocentre, Patna, 1984.
53. Guillain-Barre syndrome in infancy and childhood - An appraisal of 70 cases seen over 15 years (1966 - 1980) - 21st National Conference of Indian Association of Paediatrics, Bombay, 1984.
54. Doppler Ultra sound in Extra cranial carotid disease, 34th Annual Conference of Neurological Society of India, Varanasi, 1984.
55. Invited talk, "Neurological aspects of Leprosy", Symposium on Advances in Leprosy and Dermatology, National Academy of Medical Sciences and Medical Education and Research Trust, Bangalore, 1985.
56. Doppler Ultra Sonography in Carotid disease. 40th Annual Joint Conference of Association of Physicians of India, Bangalore, 1985.
57. Clinical and electrophysiological aspects of 70 patients of Guillain-Barre syndrome. III Karnataka State Paediatric Conference, Hubli, 1985.
58. Polymyositis in childhood - An appraisal of 6 cases. 40th Annual Joint Conference of Association of Physicians of India, Bangalore, 1985.
59. Alpha Pattern Coma. 40th Annual Joint Conference of Association of Physicians of India, Bangalore, 1985.

60. Myasthenia Gravis - A clinical study of 103 cases. 40th Annual Joint Conference of Association of Physicians of India, Bangalore, 1985.
61. Invited talk, "Visual Evoked Potential in Neurological Disorders", WHO workshop on Electrophysiology of Eye, Hyderabad, 1985.
62. Neuroepidemiology, Continuing Medical Education programme on "Contemporary Neurological Interest". 35th Annual Conference of Neurological Society of India, Patna, 1985.
63. Neuroepidemiological study in semi-urban and rural areas in South India, Report on the pattern on Neurological disorders, 35th Annual Conference of Neurological Society of India, Patna, 1985.
64. Medical Management of Myasthenia Gravis - critical Analysis of 100 cases. 35th Annual Conference of Neurological Society of India, Patna, 1985.
65. Neurocysticercosis - A clinical and pathological study of 75 cases. 35th Annual Conference of neurological Society of India, Patna, 1985.
66. A psychosocial profile of patients referred to clinical social worker in neurological setting : An analysis of first 100 cases. 35th Annual Conference of Neurological Society of India, Patna, 1985.
67. "Acute Motor Neuropathy in Diabetes", Research Society for Study of Diabetes Mellitus in India, 1985 (Judged as the best scientific communication).
68. Invited talk, "Viral encephalitis" Madurai Neuro Association, Tamil Nadu, 1985.
69. Invited talk, "Neuroepidemiology" Gandhigram Rural Institute of Health and Family Welfare, Ambathurai, Tamil Nadu, 1985.
70. Invited talk, "Neuroepidemiological study in semi-urban and rural areas in South India" : A preliminary report on the spectrum of neurological disorders, International Epidemiological Association Regional Scientific Meeting, Jhansi, 1986.
71. Extra Neurological complications of Polymyositis. 36th Annual Conference of Neurological Society of India, New Delhi, 1986.
72. Tuberculous meningitis with associated Tuberculoma. 36th Annual Conference of Neurological Society of India, New Delhi, 1986.
73. Acute Polymyositis. 36th Annual Conference of Neurological Society of India, New Delhi, 1986.
74. "Electrophysiological studies in leprosy neuropathy - Sensory conduction of dorsal cutaneous branch of ulnar nerve and greater auricular nerve", Indo-US symposium on Immunology and Molecular Biology of Leprosy, New Delhi, 1986.
75. Invited talk, "Update on cerebro vascular disease", New Delhi, 1986.
76. Invited talk, "Understanding viral encephalitis" with special reference to "Japanese encephalitis", Medical Education Trust, Bangalore, 1986.

77. Invited talk, "Muscular disorders in children", Symposium on "Developmental disabilities in children", Indian Institute of Science, Bangalore, 1986.
78. "Programme for training in neurology", Workshop on "Standardizations of training and evaluation in clinical neurosciences", All India Institute of Medical Sciences, New Delhi, 1986.
79. Invited talk, "Electromyography interpretation and use in pediatric neuromuscular disorders", Child Neurology Update, All India Institute of Medical Sciences, New Delhi, 1986.
80. Meningitis due to Flavobacterium meningosepticum in neonate. 37th Annual Conference of Neurological Society of India, Hyderabad, 1987.
81. Is there a need for long term treatment of tuberculous meningitis? 37th Annual Conference of Neurological Society of India, Hyderabad, 1987.
82. Invited talk, "Nerves in leprosy" Duke of Edinburgh award programme, NMKRV Junior College for women, Bangalore, 1987.
83. "Mechanisms of peripheral nerve damage induced by neurotoxic substances" Sixth Annual conference of Indian Academy of Neurosciences and symposium on "Neurotoxicity and Neurotransmitters, SV University, Tirupati, 1987.
84. Invited talk, "Japanese Encephalitis", Neurobiology course, Dept. of Science & Technology, New Delhi, 1987.
85. "Neuromuscular diseases and respiratory function", Continuing Medical Educational programme, Annual Conference of the Neurological Society of India, Hyderabad, 1987.
86. Invited talk "Motor Neurone disease", Association of Physicians of India (API), Mysore, 1987.
87. Late progressive muscular atrophy after poliomyelitis. 38th Annual Conference of Neurological Society of India, Chandigarh, 1988.
88. Invited talk, "Japanese Encephalitis - A Problem in children", Indian Academy of Paediatrics, Berhampur, Orissa, 1988.
89. Invited talk "Neurological diseases affecting the auditory system", International symposium on Neuroaudiology, NIMHANS, Bangalore, 1988.
90. Invited talk "Motor neurone disease", Update in Neurology, K.G. Medical College, Lucknow, 1988.
91. Invited talk "Spinal muscular atrophy", Symposium on Neuromuscular disorders in Infancy and Childhood, Child Neurology Chapter of Indian Academy of Pediatrics, Bangalore, 1988.
100. Invited talk "Congenital myopathy", Symposium on Neuromuscular disorders in Infancy and Childhood, Child Neurology Chapter of Indian Academy of Pediatrics, Bangalore, 1988.

101. Mitochondrial myopathies - A morphological appraisal of muscle biopsy - 38th Annual Conference of Neurological Society of India, Chandigarh, 1988.
102. Invited talk, "Clinical features, management and long term sequelae of Japanese Encephalitis", symposium on "Infections of the nervous system", sponsored by World Health Organisation, Bangalore, 1989.
103. Invited talk "Clinical sequelae of disturbed molecular mechanisms in the peripheral nerve", Indo-US symposium on Molecular Mechanisms Underlying Neural Response to Damage, Bangalore, 1989.
104. "Neurological tools in the early diagnosis of nerve damage in leprosy", Indo-UK Workshop on Leprosy Research, Central Jalma Institute for leprosy (Indian Council of Medical Research), Agra, 1989.
105. "Sodium Valproate in the treatment of complex absence and myoclonic epilepsies of childhood", XLIV Joint Annual conference of the Association of Physicians of India, Calcutta, 1989.
106. Invited talks "Japanese encephalitis - current status including recent developments", "Spinal Arachnoiditis" - Clinical profile of infective and non-infective aetiology" and "Motor neurone disease", Guwahati Neurological Research Centre, Assam, 1989.
107. "Floppy infant syndrome: A clinical, electrophysiological and histopathological study", 14th World Congress of Neurology, New Delhi, 1989.
108. "Factors determining occurrence of complication in culture proven tuberculous meningitis - a ten year (1978-1987) experience at NIMHANS, India, 14th World Congress of Neurology, New Delhi, 1989.
109. Invited talk, "Motor Unit Organisation" at the Third course in Neurobiology for post graduates in Clinical Neuro Sciences, sponsored by the Department of science and Technology, Bangalore, 1990.
110. Balo's Concentric Sclerosis, 39th Annual Conference of Neurological Society of India, Indore, 1990.
111. CT Myelography in Monomelic Amyotrophy, 39th Annual Conference of Neurological Society of India, Indore, 1990.
112. HTLV-1 in Tropical Myeloneuropathies. 39th Annual Conference of Neurological Society of India, Indore, 1990.
113. Neurological Disorder in chronic industrial exposure to manganese. 39th Annual conference of Neurological Society of India, Indore, 1990.
114. Invited talk "Clinical features of nerve involvement in leprosy and diagnosis and differential diagnosis", Workshop on Nerves in Leprosy" Karnataka State Antileprosy Council, Bangalore, December 1990.
115. Invited talk "Motor neurone disease", Muscular Dystrophy Society and WHO workshop, Bangalore, April 1990.

116. Epidemiology of epilepsy, 40th Annual Conference of Neurological Society of India, Manipal, 1991.
117. Is glutamate involved in the aetiology of motor neurone disease?, 40th Annual Conference of Neurological Society of India, Manipal, 1991.
118. Primary neurotic leprosy - An experience of 10 years (1979-1988) at NIMHANS, 40th Annual Conference of Neurological Society of India, Manipal, 1991.
119. Cognitive functioning in patients with complex absence following treatment with sodium valproate. 40th Annual Conference of Neurological Society of India, Manipal, 1991.
120. "Neuroepidemiological survey in an urban setting - A pilot study, Symposium Neuro epidemiology in India, Bombay, 1991.
121. "Immunological parameters as prognostic indicators in Japanese Encephalitis", XVIII Annual Conference of the Indian Immunology Society, New Delhi, 1991.
122. "Therapeutic use of enzyme hyaluronidase in spinal arachnoiditis, National Academy of Medical Sciences, Annual meeting, Hyderabad, 1992.
123. Invited talk "Central nervous system tuberculosis - Changing practice in the imaging technology era", Association of Physicians of India, Rangaraya Medical College, Kakinada, 1992.
124. Invited talk "Neurological disorders in children", Teachers training programme, Regional College of Education, Mysore, 1992.
125. Invited talk "Investigation of epilepsy", Annual Conference of Indian Medical Association, Khammam Branch, Andhra Pradesh, 1992.
126. Invited talk "Peripheral neuropathy", Continuing Medical Education in Neurology, Andhra Medical College, Visakhapatnam, 1993.
127. Invited talk "Stroke and its prevention" 16th Annual Science Festival, Bangalore Science Forum, National College, Bangalore, July 1993.
128. Invited talk "Diagnosis and management of tuberculous meningitis", Continuing Education Programme, National Institute of Tuberculosis, Bangalore, August 1993.
129. Invited talk "Atypical forms of Motor neurone disease", Continuing Medical Education Programme for postgraduate students, Medical Education Research Trust (Karnataka), Bangalore Medical College, Bangalore, October 1993.
130. Invited talk "Motor neurone disease", API South Zone conference, Pondicherry, August 1993.
131. "New horizons in monomelic amyotrophy", Continuing Medical Education Programme on "Neuro-muscular Disorders with special reference to India", 1st Annual Conference of the Indian Academy of Neurology, Ranchi, November, 1993.

132. "Risk factors in Monomelic amyotrophy - A case control study", 1st Annual Conference of the Indian Academy of Neurology, Ranchi, November, 1993.
133. "Familial Alzheimer's and Creutzfeldt - Jakob Disease. First Pathological confirmation from India", 1st Annual Conference of the Indian Academy of Neurology, Ranchi, November, 1993
134. "Epidemiology of Guillain-Barre Syndrome" - Symposium on Guillain-Barre Syndrome. 42nd Annual Conference of the Neurological Society of India, Madras, December 1993.
135. "Tuberculous Arachnoiditis" - Continuing Medical Education Programme on Infections of Nervous System. 42nd Annual Conference of the Neurological Society of India, Madras, December 1993.
136. "Biochemical basis of therapeutic action of intrathecal hyaluronidase in spinal arachnoiditis", 42nd Annual Conference of the Neurological Society of India, Madras, December 1993.
137. "Plasmapheresis - our experience in Guillain-Barre Syndrome" 42nd Annual Conference of the Neurological Society of India, Madras, December 1993.
138. Invited talk "Involvement of nerves in leprosy and early diagnosis", Karnataka State Level Workshop on Education of Leprosy by 2000 AD, JSS Medical College, Mysore, January 1994.
139. "Japanese Encephalitis in tropics - Measures for control and health care", First International conference on Organisation and Delivery of Neurological Services, New Delhi, 1994.
140. "Insights in to complexity of Tuberculous Spinal Meningitis" First International conference on Organisation and Delivery of Neurological Services, New Delhi, 1994.
141. "Tuberculous Meningitis with high cerebrospinal fluid cell counts", First International conference on Organisation and Delivery of Neurological Services, New Delhi, 1994.
142. Invited talk "Tuberculous Meningitis - Newer Concepts", Academy of Medical Sciences, Andhra Medical College, Visakhapatnam, 1994.
143. Invited talk "Motor neurone disease - An Indian Perspective" First A.P.Neuroscientists meet, Visakhapatnam, 1994.
144. Invited talk "Peripheral Neuropathy" Annual conference, Association of Neuroscientists of Eastern India, Cuttack, 1994.
145. Invited talk "Neurological Manifestation of HIV Infection" Continuing Medical Education Programme in Internal Medicine, Medical Education and Research Trust, Bangalore, 1994.
146. "Molecular analysis with clinical correlates in myotonic dystrophy", 43rd Annual Conference of the Neurological Society of India, Bangalore, 1994.
147. "Neurological Manifestations in Chronic Industrial Exposure to Manganese", International Conference on Occupational and Environmental Medicine, Bombay, 1995.

148. "Neurological Tuberculosis", 10th Karnataka State Conference on Tuberculosis and Chest Diseases, Bangalore, 1995.
149. Invited talk "Neurocysticercosis - The Indian Perspective", Symposium on Infections in children, Neurology Chapter of Indian Academy of Pediatrics, Lucknow, November , 1995.
150. Invited talk "Women's Health", Women's Health - Seminar, N.M.K.R.V. College for Woman, Bangalore, November 1995.
151. Invited talk "Motor Neurone Disease - Past, present and future", (Presidential Oration), 44th Annual Conference of the Neurological Society of India, New Delhi, December 1995.
152. Invited talk "Phrenic nerve conduction" in "Advanced Electromyography and Clinical Neurophysiology, New Delhi, December, 1995.
153. Duchenne Muscular dystrophy : A Drug Trial. 44th Annual Conference of Neurological Society of India, New Delhi, December 1995.
154. Invited talk "Japanese Encephalitis" & "Leprous Neuropathy", 17th Annual Conference of Physicians of Gujarat, Vadodara, January 1996.
155. "Post-poliomyelitis progressive muscular atrophy" and invited talk "Japanese Encephalitis", 51st Annual Joint Conference of the Association of Physicians of India, Kathmandu, Nepal, January 1996.
156. Invited talk "Tuberculous Meningitis", All India Neurology Update - 96, and Movement Disorder workshop, Dept. of Neurology, Government Medical College, Amritsar, February, 1996.
157. Invited lecture " Neurotuberculosis" and "Leprosy", CME Programme under the auspices of Indian College of Physicians, Bhopal, April 1996.
158. Invited talk "Approach to a child with muscle disease", 14th Annual CME Programme, Lakeside Education Trust, Bangalore, July 1996.
159. Invited talk "Advances in Neurosciences - Research and its application", National Workshop on Clinical Neuropsychology, Bangalore, October, 1996.
160. Prevalence and pattern of neurological disorders in Bangalore Urban and Rural population, 4th Annual Conference of Indian Academy of Neurology, Bangalore, September 1996.
161. Neuroepidemiological survey in Bangalore Urban and Rural Population - Methodological issues. 4th Annual Conference of Indian Academy of Neurology, September, 1996.
162. Juvenile Dystonic Lipidosis ; a syndrome of dystonia, characterisitic facial grimacing and sea-blue histocytes. 4th Annual Conference of Indian Academy of Neurology, Bangalore, September 1996.
163. Epidemiology of epilepsy in Bangalore Urban and Rural Population. 4th Annual Conference of Indian Academy of Neurology, Bangalore, September, 1996.

164. Invited talk "Recent advances in Neurological Research and Practice" at Fourth NIAS Course on "An Integrated Approach to Knowledge and Information", National Institute of Advanced Studies, Bangalore, October 1996.
165. Invited talk "Neuroepidemiology - Development in India". The Birth and Progress of Neurosciences in India, Madras, February 1997.
166. Invited talk "Advances in Neuroscience research and Clinical applications", CME Programme, Visakhapatnam, February 1997.
167. Invited talk "Epidemiology of Movement Disorders in India", 3rd National Movement Disorders Workshop, Bangalore, February 1997.
168. "Paediatric Tuberculosis To-day", Karnataka State Tuberculosis Association, Bangalore, March 1997.
169. "Invited lecture "Strokes" The Bangalore Science Forum, The Twentieth Annual Science Festival, National College Buildings, July 1997.
170. Patient profile in a Neuromuscular clinic. Silver Jubilee Conference of Indian Association of Physical Medicine and Rehabilitation, Jaipur, 1997.
171. Invited lecture "Tuberculous Meningitis" Medical College, Udaipur, December 1997.
172. Invited lecture "Tuberculous Meningitis" XIX All India Steel Medical Officers' Conference, ISPAT General Hospital, Rourkela, February 1998.
173. Motor Neurone Disease in India – clinical profile and recent trends in management, CME Programme in Neurology, T.D. Medical College, Alappuzha, February 1998.
174. Clinical features and management of viral encephalitis in adults – Interactive Meeting on "Viral Encephalitis", Vector Control Research Centre, Pondicherry and Govt. General Hospital, Pondicherry, March 1998.
175. "Infections, diagnosis and therapeutics of the nervous system" – in the interactive session of "Vision for Neurosciences in the next Millennium", Department of Biotechnology, New Delhi, March 1998.
176. "Tubercular Meningitis – Current Scenario" – in State of Art Session on "Challenges in Medicine". at the 54th Joint Annual Conference – Association of Physicians of India, Calcutta, January 1999.
177. "Neurocysticercosis" – Guest Oration, V International Conference of Tropical Pediatrics, Dr. Bhagwatilal-Suman Charitable Trust, Jaipur, February 1999.
178. "Research areas in tuberculous meningitis", Dorabji Tata Research Centre on Tropical Disease, Indian Institute of Science, Bangalore, June 1999.
179. Tuberculosis Meningitis" and "Neurology of Leprosy", Continuing Medical Education Programme, Jalgaon, September 1999.

180. Plenary lecture on “Motor neuron disease – emerging frontiers”, International Colloquium on Brain Research, National Brain Research Centre, New Delhi, October 1999.
181. “Epidemiology of Stroke in India” International Conference on Heart Health in Developing Countries, New Delhi October 1999.
182. “Central Nervous System Manifestations in HIV diseases”, II International Conference on AIDS India, Chennai, December 1999.
183. Participated in the V International Conference on Emerging Infectious Diseases in the Pacific Rim and HIV AIDS – Indo US Collaboration Meeting, Chennai, January 2000.
184. “Japanese Encephalitis – Present knowledge and Future Research” Continuing Medical Education Programme, Kurnool Medical College, Kurnool, March 2000.
185. “Neurology in the next millennium” Leadership in Scientific Endeavour for Human Development: The Indian Experience, Bangalore, July 2000.
186. “Research in Epilepsy – Development Priorities for Developing Nations’ Panel Discussion, Indo UK Workshop on Epilepsy, Chennai, August 2000.
187. “Epilepsy Control Programme for developing Countries – A District Model” The Asian and Oceanian Epilepsy Congress, New Delhi, November 2000.
188. “Indian variants of common neurological diseases” CME Programme, 56th Annual Conference of Association of Physicians of India, New Delhi, January 2001.
189. “Epidemiology of HIV / AIDS in India”, Symposium on Neuro AIDS, National Institute of Mental Health and Neurosciences, January 2001.
190. “Neuromuscular Disorders” CME Programme, Indian Academy of Pediatrics, Cuddapah, February 2001.
191. P.M. Mehta Memorial Lecture, 46th Foundation Day Celebrations, Gujarat Ayurved University, Jamnagar, July 2001.
192. Second Annual Conference of Indian Epilepsy Association and Indian Epilepsy Society, ECON, Mumbai, December 2001
193. “Accountability – key to quality tertiary care” Sri Sathya Sai Institute of Higher Medical Sciences, Bangalore, January, 2002.
194. 41st Annual Meeting / Conference of National Academy of Medical Sciences and Continuing Medical Education, Bnaras Hindu University, Varansasi, March 2002.
195. Motor Neuron Disease – Masquerading as other Neurological Disorders”, Association of Physicians of India, Chennai, January 2002.

196. "Epilepsy Control Programme in India", and "Mimics of Motor Neurone Disease" Students Health Home, Golden Jubilee Celebrations, Bangur Institute of Neurology, March 2002.
197. "Women's health with special reference to Neurological disorders" International Board of Yoga, Yoga Institute, Mumbai, June 2002.
198. "Mimics of Motor Neurone Disease" Neurosciences Update-2002, Army Hospital (Research and Referral), New Delhi, July 2002.
199. Invited lecture "Neurocysticercosis – Current perspective", Neurovision 2002, Continuing Medical Education Programme in Neurology, Visakhapatnam, Andhra Pradesh, September 2002.
200. Neuroscience Endowment Lecture, Andhra Medical College, Visakhapatnam. Topic of lecture "Japanese Encephalitis", Visakhapatnam, Andhra Pradesh, October 2002.
201. Invited lecture on "Peripheral Neuropathies – diagnostic approach", Goa Medical College, Panjim, Goa, October 2002.
202. Invited lecture on "Epidemiology of cerebrovascular disorders", V Annual Symposium of South Asian Society on Atherosclerosis and Thrombosis, Chennai, October 2002.
203. "Mimics of Amyotrophic lateral sclerosis", X Annual Conference of Indian Academy of Neurology, Lucknow, October 2002.
204. "Need for National Epilepsy Programme", Panelist, III Joint Annual Conference of Indian Epilepsy Association and Indian Epilepsy Society, Lucknow, October 2002.
205. Invited lecture "Neurotuberculosis – Indian Perspective" Continuing Medical Education Programme, Jaipur, November 2002.
206. Invited lecture "Monomelic Amyotrophy – Clinical Profile and Natural History", International Neurology Update, Kolkata, January 2003.
207. Invited Lecture on " Madras Motor Neurone Disease", Indo-French Symposium, (Indian Council of Medical Research) Bangalore, February 2003.
208. Invited Lecture on "Epidemiology of Stroke", Stroke Symposium Cerebral Circulation - Neuro Intervention, New Delhi, March 2003.
209. Invited Lecture on " Neurobiology of Aging ", IIT, Kanpur, July 2003.
210. "Recent Developments in Japanese Encephalitis", Andhra Pradesh, Chapter of Association of Physicians of India, Hyderabad, September 2003.
211. Fasciculations - Pathophysiology, XI Annual Conference of Indian Academy of Neurology, Visakhapatnam, September 2003.
212. Dropped head syndrome in Amyotrophic Lateral Sclerosis, XI Annual Conference of Indian Academy of Neurology, Visakhapatnam, September 2003.

213. Approach to Peripheral Neuropathy, Indian Medical Association, Udaipur, November 2003.
214. Invited talk on "Epidemiology of Stroke in India", National Symposium on Stroke, New Delhi, January 2004.
215. Invited Lecture "Atypical Presentations of Tuberculous Meningitis", Association of Physicians of India Conference, Hyderabad, January 2004.
216. Invited Lecture "Unusual clinical presentations of Tuberculous Meningitis", 5th M. P. NEUROCON-2004, Gwalior, February 2004.
217. Invited talk "Japanese Encephalitis", Symposium on Viral Infections of CNS, Santokba Durlabhji Memorial Hospital cum Medical Research Institute, Jaipur, April 2004.
218. Invited talk on "Mimics of Motor Neuron Disease", Trivandrum Neuroclub, Trivandrum, June 2004.
219. Invited Lecture "Atypical Presentations of Tubercular Meningitis", Kerala Institute of Medical Sciences, Trivandrum, June 2004.
220. Invited Lecture "Cognition Neurodegeneration and Nutrition", at the first National Convention on Science & Tradition of Food - India's Heritage of 5000 years, Central Food Technological Research Institute, Mysore, July 2004.
221. Guest Lecture "Neurology of Aging", Research Colloquium, Raman Research Institute, Bangalore, September 2004.
222. Invited talk "Motor Neuron Diseases - from the Laboratory to the patient", National Neurosciences Conference, National Institute of Mental Health and Neurosciences, Bangalore, September 2004.
223. Guest Lecture "Neurological Syndromes in Japanese Encephalitis", International Neurology Update 2004, New Delhi, September 2004.
224. Invited Lecture "Atypical Presentation of Tuberculous Meningitis", at the Pre Conference Workshop, 53rd Annual Conference of Neurological Society of India, Indore, December 2004.
225. Invited Lecture "Phrenic Nerve Conduction : Clinical Application", Indo-US workshop on Epilepsy & Nerve Muscle Disorders, New Delhi, February 2005.
226. Invited Lecture "Motor neuron disease : Indian perspective", Current Trends in Neuromuscular Disorders, New Delhi, March 2005.
227. Invited Speaker, Indo-European Union Thematic Workshop on "Genomics & Biotechnology for Health", organised under the aegis of Indo-EU Science & Technology cooperation, Department of Science & Technology, Govt. of India and the European Commission Directorate General for Research, New Delhi, April 2005.
228. Invited speaker, National Symposium on Stem Cells Research and clinical application – Development of guidelines, Bangalore, July 2005.

229. Invited Lecture, “ Japanese Encephalitis” Neuro update , Kerala Association of Neurologists, Alapuzha, July 2005.
230. Prof. B. C. Bansal – Mrs. Uma Bansal Oration “ Atypical Presentations of Tuberculous Meningitis” Association of Physicians of India, Delhi State Chapter, 16th Annual Conference, New Delhi, October 2005.
231. Invited Lecture, “Training in Neurology – Past, Present and Future”, Continuing Medical Education Program, 54th Annual Conference of Neurological Society of India, Visakhapatnam, December 2005.
232. Plenary Lecture “ Neuroepidemiology –Application to Clinical Neurology”, The Third Southeast Asia and Western Pacific BI-Regional TEPHINAT Scientific Conference, Chennai, January 2006.
233. Invited key note Lecture “ Epilepsy, a common neurological disorder: Profile and Newer advances in treatment “, Brain Awareness Week, Centre of Advanced Study, Department of Zoology, Banaras Hindu University, Varanasi, March 2006.
234. Invited Lecture “Motor neuron disease: from laboratory to bedside”, Brain Awareness Week, Centre of Advanced Study, Department of Zoology, Banaras Hindu University, Varanasi, April 2006.

XVI. Summary of Important Scientific Contributions

A. Neuroepidemiology

- A.1 Work in the area of neuroepidemiology was initiated in 1982 and over the last 15 years has led to development of model for conducting neuroepidemiological surveys in developing countries where neurological expertise is scarce and trained resources are limited. Presented the work at national and international forums and published in scientific journals.
- A.2. In a house-to-house survey of rural population of 119,290 in Gowribidanur, Karnataka, prevalence of neurological disorders was observed to be 1382 per 100,000 population. Epilepsy constituted nearly one third with a prevalence rate of 463 per 100,000 population and next in order of descending frequency were vascular headache, mental retardation, cerebrovascular disorders and peripheral neuropathy. This data on neuroepidemiological studies has been published in international and national journals.
- A.3 In the National context the work aroused considerable interest in the field of neuroepidemiology in the country and the Indian Council of Medical Research identified neuroepidemiology as a thrust area of research in 1986 and had identified National Institute of Mental Health and Neurosciences as an expert centre for conducting neuroepidemiological surveys.
- A.4 A large scale neuroepidemiological survey of a population of 102557 in Bangalore urban area (51502) and Bangalore rural area (51055) was completed in 1995 with a financial grant from ICMR. This survey has shown a crude prevalence rate of 3348 per 100,000 population for all neurological disorders. The prevalence rate in rural population (4335) per 100,000 was nearly twice that of urban population (2371 per 100,000).

- A.5 First National workshop on Neuroepidemiology was conducted in 1994 at NIMHANS and a Manual for conducting descriptive studies in Neuroepidemiology was published. Since the manual received excellent reviews in National and International Journals. The response to this manual was very encouraging and in view of the demand, the second edition incorporating new observations has recently been published in 1997.
- A.6 In addition to publications in National and International journals, on invitation contributed two chapters in prestigious books:- a) Neuroepidemiologic survey in a Developing country: Some questions and answers. In: Anderson, D.W.(Ed). Neuro-epidemiology: A tribute to Bruce Schoenberg. CRC Press, Boston, pp.13-23, 1991. (Ref.76) (b) Neuroepidemiology in India. A perspective, In: Recent Advances in Tropical Neurology. Clifford Rose, F. (ed) Elsevier Science Publishers B.V. Amsterdam, The Netherlands, pp 17-30, 1995 (Ref.94).

B. Motor Neurone Disease

- B.1 The prevalence of motor neuron disease in a house-to-house survey of semi-urban and rural population of 57660 in Gowribidanur, Karnataka, was observed to be 4 per 100,000 population.
- B.2 The clinical entity of Monomelic amyotrophy, with its characteristic features of atrophy and weakness confined to a single limb in young subjects, absence of pyramidal tract involvement and benign course has been described. Since the electrophysiological and muscle histopathological finding suggested an anterior horn lesion, it was considered to be a benign variant of motor neurone disease. The work received international acclaim and has also been quoted in the text book of neurology "Brain's diseases of the nervous system."
- B.3 Recent imaging studies (CT myelography) in Monomelic amyotrophy have revealed atrophy of cervical cord at levels of C5 to C7 segments, ipsilateral to the wasted limb.
- B.4 In a recent study to determine the risk factors, in the aetiopathogenesis of monomelic amyotrophy, from among a number of variables including occupation, injuries, infections in childhood, contact with animals, exposure to toxins and history of neurological disorders in the family, heavy physical activity emerged as the factor with a significant Odds ratio. Although varicella in childhood, contact with domestic animals and dementia in the family were found to be more frequent in patients than in control subjects, they did not attain a significant Odds ratio.
- B.5 Increased phosphorylation of neurofilaments in soma of chick spinal cord neurons in culture exposed to cerebrospinal fluid of amyotrophic lateral sclerosis (ALS) patients and in vivo experiments showing similar finding in soma of ventral horn neurons of neonatal spinal cord, suggests that CSF of ALS patients may contain factor(s) which induces phosphorylation of neurofilaments in neurons. These changes in neurons may be a forerunner to the formation of neurofibrillary tangles and eventual degeneration of neurons.
- B.6 Based on the hypothesis that autoimmunity may play a role in pathogenesis of amyotrophic lateral sclerosis, an uncontrolled trial to evaluate the effect of intravenous cyclophosphamide was recently conducted. 52% of 44 patients showed significant improvement in the composite neurological score and individual scores reflecting bulbar and motor function

and daily activity. The improvement so observed was temporary lasting for 2-3 months. Treatment with IV cyclophosphamide thus offers an alternative method of treatment in developing countries where newer agents are not available nor affordable.

C. Intrathecal Hyaluronidase as an Adjuvant Therapy of Arachnoiditis (Cranial and Spinal)

- C.1 In the management of the common complications of tuberculous meningitis such as spinal arachnoiditis leading to radiculo-myelopathy, intrathecal hyaluronidase in addition to antituberculous drugs has been shown to have a tangible improvement in the clinical status and the cerebrospinal fluid protein profile. The potential risks and complications of such treatment are negligible and therefore this mode of treatment becomes acceptable. This work has been quoted in the text book of neurology : Brain's diseases of the nervous system".
- C.2 Hydrocephalus and optochiasmatic arachnoiditis occurring in the course of tuberculous meningitis were observed to partially or completely resolve with adjuvant intrathecal hyaluronidase treatment.
- C.3 In noninfective arachnoiditis following spinal surgery or those presenting as "disc syndromes", intrathecal hyaluronidase treatment led to amelioration of pain and neurological deficit.

D. Clinical Neurophysiology in Leprous Neuropathy

- D.1 Sensory conduction of dorsal cutaneous branch of ulnar nerve was found to be a more sensitive parameter than the conventional motor and sensory conduction of ulnar nerve in detecting early nerve damage.
- D.2 Refractory period of sensory fibers of ulnar nerve provided an extremely sensitive diagnostic tool superior to conventional motor and sensory conduction of ulnar nerve in detecting nerve dysfunction in clinically asymptomatic nerves confirming the postulation that a diseased nerve may conduct at a normal velocity but not at normal frequency.
- D.3 Greater auricular sensory nerve conduction studies were found to be useful in diagnosis in leprosy patients with isolated thickening of greater auricular nerves and in distinguish-ing from thickened greater auricular nerves in healthy subjects.

E. Japanese Encephalitis:

- E.1 A study of epidemics of Japanese Encephalitis provided insight to the clinical profile and the characteristic neuropathological features.
- E.2 Long term follow up study of survivors of Japanese encephalitis epidemic in 1979 showed that at the end of 5 years, residual neurological deficit persisted in 56% while the rest 44% fully recovered. Motor deficit, intellectual deficit and speech disorders were common while movement disorders and seizures were infrequent.
- E.3 Immunological and virological evidence for persistence of Japanese Encephalitis virus in the human nervous system was observed in 5% of 323 cases of Japanese Encephalitis.

XVII . Publications

1. Tandon,B.N., **Gourie-Devi,M.**, Leela Vathi,B.R. Pancreozymin - Secretin Test : Part I Evocative Serum enzyme studies as an aid to diagnosis of chronic pancreatic diseases. Indian Journal of Medical Research 53, 1119-1127, 1965.
2. Tandon.B.N., **Gourie-Devi,M.**, Leela Vathi,B.R. Pancreozymin - Secretin Test: Part II - An analysis of the duodenal contents after pancreozymin - secretin stimulation of the pancreas. Indian Journal of Medical Research 53, 1128-1137, 1965.
3. Virmani,V., **Gourie-Devi,M.**, Sawhney, B.B. Psychiatric symptoms in organic brain diseases. Indian Journal of Psychiatry 9, 41-48,1967.
4. **Gourie-Devi,M.**, Bhargava,S., Virmani,V. Measurement of anterior,posterior and middle cerebral arteries with special reference to the Sylvian Triangle in normal and abnormal angiograms. Neurology (India) 16, 27-34, 1969.
- 5.. Virmani,V., **Gourie-Devi,M.** Neurological sequelae of pyrexial illness of unknown aetiology. Indian Journal of Medical Science 23, 132-136, 1969.
6. **Gourie-Devi,M.**, Tandon,P.N. Slow Virus infections of the Central Nervous System - A Review. Neurology (India) 8, 129-135, 1970.
7. Rao,K.S., Rao,B.D., **Gourie-Devi,M.**, Reddy,R. Lumbar Canal Stenosis. Indian Journal of Radiology 24, 198-204, 1970.
8. **Gourie-Devi,M.**, Reddy,D.R. Arteriovenous malformation involving the vein of Galen - A case report. Neurology (India) 19, 48-50, 1971.
9. Ganapathy,G.R., Rao,G.V.G.K., **Gourie-Devi,M.** Bone changes after long term anticonvulsant therapy. Neurology (India) 21,159-164, 1973.
10. **Gourie-Devi,M.**, Prakash,B. Vertebral and epidural haemangioma with paraplegia in Klippel Treunaunay Weber syndrome. Journal of Neurosurgery, 48, 814-817, 1978.
11. **Gourie-Devi,M.** Outbreak of encephalitis in Karnataka - Editorial. Karnataka Medical Journal, 45, 2-4, 1979.
12. **Gourie-Devi,M.**, Satish,P. Enzyme therapy of spinal arachnoiditis - potential usefulness of hyaluronidase. Current Science 48,1017-1019,1979.
13. **Gourie-Devi,M.**, Padmini,R., Satish,P. Use of intrathecal hyaluronidase in spinal arachnoiditis. Indian Journal of Medical Research 71, 581-593, 1980.
14. **Gourie-Devi,M.**, Satish,P. Hyaluronidase as an adjuvant in the treatment of cranial arach-noiditis (Hydrocephalus and Optochiasmatic arachnoiditis) complicating tuberculous menin-gitis. Acta Neurologica Scandinavica 62,368-381,1980.

15. **Gourie-Devi,M.** Japanese Encephalitis - Continuing Medical Education Programme. Neurological Society of India 61-70, 1980.
16. **Gourie-Devi,M.,** Mehta,B.C. Congenital absence of pectoralis muscle - Poland's syndrome. Neurology (India) 29, 71-74, 1981.
17. **Gourie-Devi,M.** Tuberculous meningitis in children, Diagnosis and treatment - Review Indian Journal of Paediatrics, 48, 239-247, 1981.
18. **Gourie-Devi,M.,** Taliath,H. Conduction study of dorsal cutaneous branch of ulnar nerve in normal human subjects and in leprosy. Electroencephalography and clinical Neurophysiology, 52, 165, 1981.
19. Rao,B.S.S.R., Subash,M.N., **Gourie-Devi,M.** Cerebrospinal fluid enzyme activity after hyaluronidase administration in spinal arachnoiditis. Indian Journal of Medical Research, 73, 955-959,1981.
20. **Gourie-Devi,M.,** Deshpande, D.H. Japanese Encephalitis In: Paediatric problems Prasad,L.S. and Kulczycki,L.L.(Eds). S.Chand & Company Ltd, New Delhi, pp 340-356, 1982.
21. **Gourie-Devi,M.,** Nagaraja,D. Multiple sclerosis in South India. In : Multiple Sclerosis East and West, Kuroiwa and Kurland.L.T.(Eds). S.Karger, Basel, Switzerland, pp 135-147, 1982.
22. Chandramukhi,A., Reddy,G.N.N. **Gourie-Devi,M.** Anaerobic infections of central nervous system In : Anaerobic infections in Man. Gupta,U.(Ed). Everyman's press, New Delhi, pp 89-95, 1982.
23. **Gourie-Devi,M.,** Mehta,B.C. Association of Klippel-Trenaunay-Weber syndrome with Myotonic Dystrophy. Journal of Neurology, Neurosurgery and Psychiatry, 45, 1074-1075, 1982.
24. **Gourie-Devi,M.,** Venkataram,B.S. Concept of disorders muscles in "Charaka Samhita". An ancient Indian Medical Treatise - Relevance to Modern Myology. Neurology (India), 31, 13-14, 1983.
25. **Gourie-Devi,M.,** Cherian,L. Seizures in cats induced by Ketamine Hydrochloride anaesthesia. Indian Journal of Medical Research, 77, 525-528, 1983.
26. Shankar,S.K., Rao,T.V, Mruthyunjayanna,B.P., **Gourie-Devi,M.,**Deshpande.D.H. An autopsy study of brains during an epidemic of Japanese Encephalitis in Karnataka, South India. Indian Journal of Medical Research, 78, 431-440, 1983.
27. Shankar,S.K., Renjen,P.N., **Gourie-Devi,M.,** Deshpande, D.H. Vascular Neuropathies - A pathological study of 14 cases. Neurology (India), 31, 41-50, 1983.
28. **Gourie-Devi,M.** (Book Review) Migraine - The Natural History of a Common Disorder. Oliver Sacks (Pan Books Ltd.) 1981, 281. Indian Journal of Medical Research. 78, 292, 1983.

29. **Gourie-Devi,M.**Clinical aspects and experience in the management of Japanese Encephalitis patients. In : Proceeding of the National Conference of Japanese Encephalitis. Indian Council of Medical Research, New Delhi, pp 25-29, 1984.
30. **Gourie-Devi,M.,** Suresh,T.G., Shankar,S.K. Monomelic Amyotrophy. Archives of Neurology 41, 388-394, 1984.
31. **Gourie-Devi,M.,** Nagaraja.D. Multiple Sclerosis - Clinical analysis of cases seen during a period of 22 years. NIMHANS Journal, 2, 15-19, 1984.
32. Shankar,S.K., **Gourie-Devi,M.,** Nagaraja.D., Rao,T.V., Das.S. Neuromyelitis Optica - Report of an autopsy proven case from South India. Journal of Association of Physicians of India, 32, 371-373, 1984.
33. **Gourie-Devi,M.,** Satish,P. Intrathecal hyaluronidase treatment of chronic spinal arachnoiditis of non infective etiology. Surgical Neurology 22, 231-234, 1984.
34. George,S., **Gourie-Devi,M.,** Rao,J.A., Prasad,S.R., Parvi,K.M. Isolation of West Nile virus from the brains of children who died of encephalitis. Bulletin of World Health Organisation, 62(6); 879-882, 1984.
35. **Gourie-Devi,M.,** Suresh,T.G., Shankar.S.K. Monomelic Amyotrophy - Atypical and benign form of Motor Neurone Disease in India. In : Chen,K.M., Yase,Y. (Eds). Amyotrophic Lateral Sclerosis in Asia and Oceania.Shyan-Fu Chou, National Taiwan University, Taiwan, pp 101-124, 1984.
36. **Gourie-Devi,M.** Greater auricular nerve conduction in leprosy. Indian Journal of Leprosy, 55, 182-190, 1984.
37. **Gourie-Devi,M.,** Ganapathy,G.R. Phrenic nerve and conduction time in Guillain-Barre Syndrome. Journal of Neurology Neurosurgery and Psychiatry. 48, 245-249, 1985.
38. Chand,P.R. **Gourie-Devi,M.** The blink reflex and somatosensory evoked potential in optic neuritis in South India. Acta Neurologica Scandinavica 71, 150-155, 1985.
39. **Gourie-Devi,M.,** Lalitha,N., Bhargava,M.K., Deshpande,D.H. Neurological manifestations in lymphoma with special emphasis on Neuromyopathy. Indian Journal of Cancer, 21, 191-197, 1985.
40. Chand,P.R., **Gourie-Devi,M.** Bruxism : its significance in coma. Clinical Neurology and Neurosurgery 87, 113-117, 1985.
41. **Gourie-Devi,M.** Acute Symmetrical Motor Neuropathy in Diabetes Mellitus - A distinct clinical entity. Diabetes Bulletin,5,47-59, 1985. (Prize winning paper).
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