

CURRICULUM VITAE

NAME : **DR.M.BALAMURUGAN**

DATE OF BIRTH : **24th June 1970**

PRESENT DESIGNATION : **Director, Brain&Spine Hospital,
& Consultant Neurosurgeon,
Department of Neurosurgery
Apollo Hospitals.**

Performed over 15,000 neurosurgical procedures including craniotomy, laminectomy, spinal stabilisation & stereotactic procedures (biopsies, implanting deep brain stimulation electrodes and radiosurgeries), CV jtn anomaly correction, clipping of aneurysm, excision of AVM, VP shunts

ACADEMIC RECORD

MEDICAL COLLEGE:

MADRAS MEDICAL COLLEGE, MADRAS UNIVERSITY, 1987-1993.

71% AGGREGATE IN UNIVERSITY EXAMS.

MERIT MENTIONED IN DR.A.RAJASEKHARA REDDY **PRIZE EXAM IN ANATOMY**,1988.

MERIT MENTIONED IN Sir MAINTLAND'S **CLINICAL SURGERY PRIZE EXAM**,1991.

AWARDED:

* Prof A.VENUGOPAL **GOLD MEDAL** IN UROLOGY.

* Prof A.L.MUDALIAR **GOLD MEDAL** IN MEDICINE.

* RAJA Sir RAMASWAMY MUDALIAR **GOLD MEDAL** IN OBSTETRICS AND GYNAECOLOGY.

* Sir BRANFOOT **PRIZE** IN CLINICAL OBSTETRICS.

UNIVERSITY FIRST IN OBSTETRICS AND GYNAECOLOGY.

POST GRADUATION:

** DIPLOMATE OF NATIONAL BOARD OF EXAMINATIONS (Dip.NBE),
NEUROSURGERY (5 yrs. COURSE),
1993 TO 1998 - APOLLO HOSPITALS, MADRAS.

** PRIMARY Dip.NBE EXAM - AUG. '93 – 1st attempt,
** PART I NEUROSURGERY EXAM - FEB. '97 – 1st attempt,
** FINAL NEUROSURGERY EXAM - AUG. '98 – 1st attempt.

- ◆ AWARDED BEST RESIDENT AWARD - 1996,
- ◆ AWARDED BEST NEUROSURGERY RESIDENT AWARD 1996.

FELLOWSHIP TRAINING:

- MICRO-NEUROSURGERY, CEREBROVASCULAR SURGERY, NEURO-ENDOSCOPY AND INTERVENTIONAL NEURO-RADIOLOGY FELLOWSHIP – FUJITA HEALTH UNIVERSITY, TOYOAKE, JAPAN, Feb. – May 2000.
- STEREOTAXY, NEURONAVIGATION, FRAMELESS STEREOTAXY AND FUNCTIONAL NEUROSURGERY FELLOWSHIP – St. VINCENT'S HOSPITAL, UNIVERSITY OF NEW SOUTH WALES, SYDNEY, AUSTRALIA, Oct. '00 – April '01.

PAPERS PRESENTED AT NATIONAL CONFERENCES(All Platform Presentations):

- # MALIGNANT MENINGIOMAS - NEUROLOGICAL SOCIETY OF INDIA # CNS SARCOMAS - INDIAN SOCIETY OF PAEDIATRIC NEUROSURGERY, ANNUAL CONFERENCE, NEW DELHI, DEC. '95.
- # ROLE OF CT, MRI AND NEUROPSYCHOLOGICAL EVALUATION IN HEAD INJURY - PRELIMINARY REPORT - NEUROLOGICAL SOCIETY OF INDIA, ANNUAL CONFERENCE, NEW DELHI, DEC. '95.
- # PARACAVERNOUS MASS LESIONS - NEUROLOGICAL SOCIETY OF INDIA, ANNUAL CONFERENCE, CALCUTTA, DEC. '96.
- # MRI IN HEAD INJURY - INDIAN SOCIETY OF NEURO TRAUMATOLOGY, ANNUAL CONFERENCE, VARANASI, AUG. '97.
- # STEREOTACTIC IRRADIATION FOR PAEDIATRIC GLIOMAS - INDIAN SOCIETY OF PAEDIATRIC NEUROSURGERY, ANNUAL CONFERENCE, BOMBAY, OCT. '97.
- # POST RADIOSURGERY HISTOLOGICAL CHANGES - INDIAN SOCIETY FOR STEREOTACTIC AND FUNCTIONAL NEUROSURGERY, ANNUAL CONFERENCE, NEW DELHI, DEC. '97.
- # RADIOSURGERY FOR UNCOMMON INTRACRANIAL LESIONS - NEUROLOGICAL SOCIETY OF INDIA, ANNUAL CONFERENCE, JAIPUR, DEC. '97.
- # SPECT IN BRAIN TRAUMA - NEUROLOGICAL SOCIETY OF INDIA, ANNUAL CONFERENCE, JAIPUR, DEC. '97.
- # CT vs MRI IN HEAD INJURIES - 125 CASE ANALYSIS - NEUROLOGICAL SOCIETY OF INDIA, ANNUAL CONFERENCE, TRIVANDRUM, DEC. '98.
- # OUTCOME OF ANTERIOR CERVICAL DISCECTOMY, OUR EXPERIENCE - ASSOCIATION OF SPINE SURGEONS OF INDIA, NEW DELHI

- # OUTCOME OF ANTERIOR CERVICAL DISCECTOMY, OUR EXPERIENCE – NEUROSPINAL SURGEONS ASSOCIATION OF INDIA, CHENNAI
- # USE OF DYNAMIC MRI IN CERVICAL MYELOPATHY - NEUROLOGIC SOCIETY OF INDIA, NEW DELHI
- # USE OF GLIADEL WAFER FOR GLIOBLASTOMA MULTIFORMAE – NSSI, RISHIKESH

ABSTRACTS PUBLISHED IN JOURNAL'S:

- # ROLE OF CT, MRI AND NEUROPSYCHOLOGICAL EVALUATION IN HEAD INJURIES.
- # POST ELECTROCUTION DEMYELINATION.
- # MIDLINE FRONTAL LESIONS.
- # SYNCHRONOUS SPINAL LESIONS.
- # MULTICENTRIC GLIOMAS.
- # CNS LYMPHOMAS.

All above published in NEUROLOGY INDIA, DEC.'95.

- * PARACAVERNOUS MASS LESIONS.
- * UNUSUAL PRESENTATION OF CNS LYMPHOMA.

All above published in NEUROLOGY INDIA, DEC.'96.

- # RADIOSURGERY FOR UNCOMMON INTRACRANIAL LESIONS.
- # SPECT IN BRAIN TRAUMA.

All above published in NEUROLOGY INDIA, DEC.'97.

- * SPECT IN BRAIN TRAUMA - PUBLISHED IN 8th ASIAN AND OCEANIAN CONGRESS OF RADIOLOGY, INTERNATIONAL CONFERENCE, KOBE, JAPAN, APRIL '98.

ARTICLES PUBLISHED IN PEER REVIEWED JOURNALS:

- POST-TRAUMATIC CRANIAL NERVE PALSY – THE INDIAN JOURNAL OF NEUROTRAUMA, Vol.2, No.1, June 2005.
- ROSAI-DORFMAN DISEASE OF THE CENTRAL NERVOUS SYSTEM – JOURNAL OF CLINICAL NEUROSCIENCE (2005).12(6), 656-659.
- MEDULLARY GANGLIOGLIOMA – A CASE REPORT – JOURNAL OF PEDIATRIC NEUROSURGERY (2007)
- TRANS-CEREBELLAR BIOPSY OF BRAINSTEM LESIONS – JOURNAL OF PAEDIATRIC NEUROSURGERY, 2009
- EFFECT OF DIABETES MELLITUS IN THE PROGRESSION OF TRAUMATIC CEREBRAL CONTUSIONS – ASIAN JOURNAL OF DIABETOLOGY, 2007.
- KEY HOLE AND KEY-BUR-HOLE, NEUROSURGERY.68(2):E594, Feb 2011.
- DURAL BASED CAVERNOUS HEMANGIOMA PRESENTING AS LARGE INTRA-CEREBRAL HEMATOMA IN A CHILD – A RARE CLINICO-PATHOLOGICAL ENTITY. JOURNAL OF PAED. NEUROSCIENCES, 2011.
- MELANOTIC CYST OF L5 SPINAL ROOT – A CASE REPORT AND REVIEW OF LITERATURE – ASIAN JOURNAL OF NEUROSURGERY, 2013.
- CHRONIC INTRADIPLOIC HEMATOMA ASSOCIATED WITH ANTIPLATELET AGGREGATING MEDICINE, A RARE CLINICAL REPORT - JOURNAL OF NEUROLOGY & STROKE, 2014 (PUBLISHED MAY 2014; VOL 1; ISSUE 1; ISSN 2373-6410)

- **SPINAL ROSAI DORFMAN DISEASE, A CASE REPORT – JOURNAL OF SPINE SURGERY, 2015**
- **DYNAMIC FLEXION CERVICAL MYELOPATHY, A SERIES OF 6 CASES – JOURNAL OF SPINE SURGERY, 2015**

INTERNATIONAL CONFERENCES ATTENDED:

- CONGRESS OF NEUROSURGICAL TOOLS AND TECHNIQUES, NAGOYA, JAPAN, APRIL 2000.
- INTERNATIONAL SYMPOSIUM ON ARTERIOVENOUS MALFORMATIONS, TOKYO, JAPAN, APRIL 2000.
- 3RD ASIAN CONFERENCE OF NEUROLOGICAL SURGEONS, NAGOYA, JAPAN, NOVEMBER 2000.
- 12th AUSTRALIAN MOVEMENT DISORDER SOCIETY MEETING, UNIVERSITY OF SYDNEY, SYDNEY, MARCH 2001.
- 4th ASIAN CONFERENCE OF NEUROLOGICAL SURGEONS, HONG KONG, CHINA, OCTOBER 2002.
- 5TH ASIAN CONFERENCE OF NEUROLOGICAL SURGEONS, JAKARTA, INDONESIA, AUGUST 2003.
- 2ND CONSENSUS MEETING ON NORMAL PRESSURE HYDROCEPHALUS, PRAGUE, CZECH REPUBLIC, 2008
- 4TH CONSENSUS MEETING ON PREVENTING SHUNT INFECTIONS, ISTANBUL, TURKEY, 2010
- BIO-MEDICAL ENGINEERING CONFERENCE – TWINS UNIV, TOKYO, JAPAN.
- NEURO-REHABILITATION MEETING, ZURICH, SWITZERLAND, DEC. 2012..
- YOUNG NEUROSURGEONS UPDATE – LEIDEN UNIVERSITY, NETHERLANDS, OCTOBER 2014.
- ASIAN SOCIETY OF CERVICAL SPINE SURGERY – ANNUAL CONFERENCE – ISTANBUL, TURKEY – NOVEMBER 2014
- HYDROCEPHALUS UPDATE AND CONSENSUS MEETING, Le locle, FRANCE, APRIL, 2015
- WORLD SPINE SOCIETY MEETING, BALI, INDONESIA, JUNE 2015
- WFNS, Rome, 2015
- ASIAN CONGRESS OF NEUROSURGEONS, SURABAYA, INDONESIA, MARCH 2016
- ISMINS, Cairo, EGYPT, 2016
- ISMINS, Tokyo, Japan, 2017

PAPERS PRESENTED AT INTERNATIONAL CONFERENCES:

- **TECHNIQUE OF ENDOSCOPIC PITUITARY SURGERY, 3RD ASIAN CONFERENCE OF NEUROLOGICAL SURGEONS, NAGOYA, JAPAN, NOVEMBER, 2000.**
- **SURGERY FOR SPASTICITY – AN OVERVIEW, 5TH OF NEUROLOGICAL SURGEONS, JAKARTA, INDONESIA, AUGUST 2003.**
- (Platform)Prevention of Shunt infections; EANS-Young Neurosurgeons meet, Innsbruck Austria-feb 2011
- (Platform)Use Of Neuro-Radiology In The Diagnosis And Management Of Tuberculosis Meningitis; NSI & CNS joint conference-Jaipur 2010
- (Poster)Membranectomy With Subgaleal Negative Pressure Drain - Safe And Effective Method in Treatment of Recurrent Chronic Sub-DuralHaematomas" EANS October 2011, ROME ITALY

- (Poster)Stereotactic Ommaya Reservoir Placement In The Management Of Predominantly Cystic Suprasellar Craniopharyngioma And Glioma (Poster)EANS October 2011, ROME ITALY
- (Poster)Transnasal Unilateral Transsial Endoscopic Pituitary TumorExcision (Poster)- A Case Series Of 80 Patients EANS October 2011, ROME ITALY
- (Poster)Minimal Lateral Interlaminar Approach With Medial Facetectomy And Microdiscectomy - Case Series Of 351 Patients; EANS October 2011, ROME ITALY
- (Poster)Awake Transcerebellar Stereotactic Biopsy For Cerebellar And Brainstem Lesions(Poster); EANS-Young Neurosurgeons meet, Innsbruck, Austria-Feb 2011
- (Poster)Anterior Cervical Disc Surgeries; EANS-Young Neurosurgeons meet, Innsbruck Austria-feb 2011
- COMPARRISON OF ACDF WITH ARTHROPLASTY – AN INDIAN STUDY 300CASES - ASIA PACIFIC CERVICAL SPINE SOCIETY CONFERENCE, TURKEY - 2014
- CERVICAL MICRODISCECTOMY AND FUSION VS. TOTAL DISC REPLACEMENT – A PROSPECTIVE STUDY – WORLD SPINE CONFERENCE, BALI, INDONESIA – MAY 2015
- MANAGEMENT OF CERVICAL MYELOPATHY, ASIAN CONGRESS OF NEUROSURGEONS, SURABAYA, INDONESIA, MARCH 2016
- Cyberknife Radiosurgery for ANF, ISMINS, Cairo, Egypt, 2016
- Minimal access surgery for Brain and Spine, Addis Ababa, Ethiopia, 2017
- Intra-operative monitoring, EANS course, Emmendingen, Germany, 2017
- Neuro-navigation and fluorescence guided surgery for Gliomas, Colombo, SriLanka, 2017

INVITED FACULTY:

- SPINE SOCIETY OF INDIA ANNUAL CONFERENCE – CHENNAI – OCT 2012 – TOPIC – PREVENTING COMPLICATIONS IN CERVICAL SPINE SURGERY.
- INVITED TALK – STEREOTACTIC PROCEDURES IN NEUROSURGERY. 1ST NEURO-OPHTHALMOLOGY CONFERENCE, SANKARA NETHRALAYA, CHENNAI, INDIA 2002.
- CHAIRPERSON FOR A SESSION ON “INTRA-OPERATIVE ANEURYSM RUPTURE MANAGEMENT” – 4TH ASIAN CONFERENCE OF NEUROLOGICAL SURGEONS, HONG KONG, CHINA, OCTOBER 2002.
- OPERATIVE DEMONSTRATION FACULTY – SPINE MICROSURGERY WORKSHOP – SRI RAMACHANDRA MEDICAL COLLEGE AND RESEARCH INSTITUTE, CHENNAI, INDIA 2003.
- INVITED TALK — JUNE 2012,
- INVITED TALK – NEURO SPINE SOCIETY OF INDIA ANNUAL CONFERENCE – CHENNAI – OCT 2012 – TOPIC –CERVICAL TOTAL DISC REPLACEMENT – STANDARD OR HYPE.
- INVITED TALK – NEURO HYDERABAD NEURO CLUB – SURGERY FOR HYDROCEPHALUS -
- ADENOMAS BANGALORE NEURO CLUB – CHALLENGES IN HYDROCEPHALUS MANAGEMENT
- INVITED TALK – NEUROLOGICAL SURGEONS SOCIETY OF INDIA – MARCH 2013 – JAIPUR – TOPIC – PREVENTING SHUNT INFECTION IN HYDROCEPHALUS
- INVITED TALK – LUNCHEON SEMINAR – ICP MONITORING IN THE HEAD INJURED – EVIDENCE BASED APPROACH AND PREVENTING COMPLICATIONS – NATIONAL NEURO-TRAUMA CONFERENCE - JANUARY 2013
- INVITED TALK – 1ST NEURO-ENDOSCOPIC MEETING ON ANTERIOR AND MIDDLE CRANIAL FOSSA SURGERY – CHENNAI, APRIL 2013 – PERI-OPERATIVE MANAGEMENT OF PITUITARY CONFERENCE – GUWAHATI – 2013.

- INVITED TALK – ASSOCIATION OF RADIATION ONCOLOGIST OF CHENNAI – SETEMBER, 2013 – MAXIMAL EXCISION IN GLIOMA SURGERY, TECHNICAL ADVANCES AND FUTURE.
- INVITED TALK – INDIAN MEDICAL ASSOCIATION TIRUVANNAMALAI CHAPTER – JUNE 2014 – MICROSURGERY OF BRAIN TUMOURS – RECENT TRENDS IN NEUROSURGERY – JANUARY 2015 TUMOURS AN OVERVIEW.
- INVITED TALK – NEURO SOCIETY OF MAU
- INVITED TALK – NEUROSURGICAL SOCIETY OF INDIA – MARCH 2015 – INDORE – ENDOSCOPIC SURGERY FOR HYDROCEPHALUS.
- INVITED TALK – PEDIATRIC ONCOLOGY MEET – CHENNAI, APRIL 2015 – FLOURESCENCE GUIDED EXCISION OF BRAIN TUMOURS.
- INVITED TALK – MANAGEMENT OF INTRA-OPERATIVE ANEURYSM RUPTURE – JULY 2015, MEDICA SUPERSPECIALITY HOSPITAL, KOLKATTA.
- INVITED TALK – MANAGEMENT OF COMPLICATIONS AND FOLLOW-UP OF PITUITARY TUMORS – AUGUST 2015, SANKARA NETHRALAYA, CHENNAI
- INVITED TALK – COMMON NEUROSURGICAL PROCEDURES – AUGUST 2015, ASTER MEDCITY, KOCHI.
- INVITED TALK – RECENT ADVANCES IN ENDOSCOPIC NEUROSURGERY, ALL INDIA STEEL INDUSTRY MEDICAL OFFICERS CONFERENCE, DURGAPUR, JAN 2016
- INVITED TALK – NEUROLOGICAL DISEASES DUE TO OCCUPATION – INDIAN SOCIETY OF OCCUPATIONAL HEALTH, ANNUAL CONFERENCE, BANGALORE, FEB 2016
- INVITED TALK – SURGERY FOR PARKINSON’S DISEASE, STEEL AUTHORITY OF INDIA HOSPITAL, BHILAI, APRIL 2016
- INVITED TALK – MICROSURGERY FOR BRAIN TUMORS, ROURKELA INDIAN MEDICAL ASSOCIATION MEETING, APRIL 2016

TEACHING EXPERIENCE:

- PART OF THE TEACHING FACULTY FOR THE DIPLOMATE OF NATIONAL BOARD DEGREE (*National Board of Examinations, New Delhi, India*), IN NEUROSURGERY, AT THE APOLLO HOSPITALS, CHENNAI, INDIA FROM 1999.
- NEUROSURGERY INSTRUCTOR AND GUIDE FOR THESIS – FELLOWSHIP IN EMERGENCY MEDICINE(course conducted by *the Royal College of Surgeons of Edinburgh*), AT THE APOLLO HOSPITALS, CHENNAI, INDIA FROM 2001.
- NEUROSURGERY INSTRUCTOR AND GUIDE – MRCS(*Member of Royal College of Surgeons of Edinburgh*) CANDIDATES, APOLLO HOSPITALS, CHENNAI, INDIA FROM 2003
- Asst. PROFESSOR IN NEUROSURGERY, DEPARTMENT OF NEUROSURGERY, SAVEETHA MEDICAL COLLEGE, DEEMED UNIVERSITY, CHENNAI, INDIA – FROM OCT. 2011 – June 2013.
- COURSE CO-ORDINATOR FOR MICROSURGERY SKILL DEVELOPMENT FOR NEUROSURGERY POST GRADUATES AT THE ETHICON INSTITUTE AND DePUY INSTITUTE, CHENNAI

ORGANISATIONAL POSITIONS HELD:

- EXECUTIVE COMMITTEE MEMBER – ASIAN CONGRESS OF NEUROSURGEONS
- PANEL MEMBER FOR IDENTIFYING CENTRES OF EXCELLENCE, TO TRAIN YOUNG NEUROSURGEONS IN ASIA
- PANEL MEMBER FOR DEVELOPING BEST PRACTICE GUIDELINES FOR YOUNG NEUROSURGEONS
- Panel of EDITOR – ASIAN JOURNAL OF NEUROSURGERY
- Exec Com Member & Treasurer ISMINS.

MEMBERSHIP TO PROFESSIONAL ORGANISATIONS:

- LIFE MEMBER, *Neurological Society of India.*
- LIFE MEMBER, *Neurosurgical Society of India.*
- LIFE MEMBER, *Neurotrauma Society of India.*
- LIFE MEMBER, *Indian Society of Stereotaxy and Functional Neurosurgery.*
- INTERNATIONAL ASSOCIATE MEMBER, *American Association of Neurological Surgeons, U.S.A.*
- INTERNATIONAL MEMBER, *Congress of Neurological Surgeons, U.S.A*
- INTERNATIONAL MEMBER, *Movement Disorder Society, U.S.A.*
- INTERNATIONAL MEMBER, **European Academy of Neurosurgeons.**
- MEMBER, *Asian Conference of Neurological Surgeons.*
- MEMBER, *Asian Australasian Congress of Neurological Surgeons.*
- MEMBER, *World Federation of Neurological Surgeons.*
- ASSOCIATE MEMBER, *Indian Society of Pediatric Neurosurgery.*

ENTERPRUNERIAL INITIATIVES:

Started Brain and Spine Hospital, a 35 bedded tertiary level referral hospital for neurosurgery at Chennai, in Jan 2012 – employing 40 individuals, having all modern facilities for private neurosurgical care – performed over 1200 surgical procedures including complex cerebrovascular procedures – (www.brainspinehospitals.com)

Started Revive Rehabilitation center, Chennai – a comprehensive rehabilitation unit for Stroke, spinal injuries, intellectually challenged children, orthopedic injuries, cardiac rehabilitation, pre & post natal obstetric rehabilitation, etc. This initiative is expanding to Bangalore, Hyderabad, Cochin and Mumbai in 2015 – (www.reviverehab.org)