

Dr. Abi Muthukumar

Neurology Specialty Clinics

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Los Angeles CA 90048

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Personal

Date of Birth –October 16, 1974

Married, 2 children

Professional Experience

July 2005 to present

Cedars-Sinai Medical Center, Department of Neurology – Part time Faculty, Neurology Attending, ALS Program and Neurophysiology Lab

Interested in seeing ALS and Neuromuscular patients

Expertise in performing EMGs and Intraoperative monitoring.

Ventura County Medical Center, Staff Neurologist (part time) – General Neurology and EMG/Nerve conduction studies

Current Academic Activities

- Seeing patients and teaching residents/fellows and students in the weekly Multidisciplinary ALS clinic
- Involved with the new Diaphragm pacer treatment for ALS patients
- Quality of Life study in ALS patients (Multicenter study)

Board Certification

- January 2006 - Board Certification in Neurology by the American Board of Psychiatry and Neurology.
- May 2007 - Board Certification in Clinical Neurophysiology by the American Board of psychiatry and Neurology.

Post-Graduate Education

Fellowship

July 2004 to June 2005

Clinical Neurophysiology Fellowship (training in Electromyography, Electroencephalography, Evoked Potentials and Intraoperative Monitoring)

Cedars-Sinai Medical Center and UCLA, Los Angeles.

EMG training and training in Neuromuscular clinics- once a week ALS clinic and MDA clinic with Dr. Michael Graves, UCLA. Los Angeles.

Residency***July 2002 to June 2004***

Residency in Neurology at University of California - Los Angeles (UCLA)

Internship***July 2000 – June 2002***

Internship in Internal Medicine at University of Louisville, Kentucky and one year of adult Neurology residency.

Stroke Research (Volunteer)***July 1998 – March 2000***

West Los Angeles VA Hospital with Dr. Stanley N. Cohen, Professor of Neurology, UCLA School of Medicine.

Actively involved in the following clinical trials:

- Vitamin intervention and prevention of stroke (VISP)
- African American Antiplatelet study and stroke prevention (AAASP)
- Warfarin and Aspirin for intracranial stenosis (WASID)
- Citicoline and acute stroke study

House Officer (Intern)***Jan 1996 – Jan 1997***

Government General Hospital, Madras Medical College, India

Undergraduate Education***Aug 1991 – Feb 1997***

Diploma: M.B.B.S (Equivalent of M.D)

Year of graduation – 1997

Madras Medical College (Chennai Medical College), Madras (Chennai), India

Licensure**Licensed in the state of California since October 2002.****License Number- A80716****ECFMG certified** (indefinite validation)**Clinical Trials****Abirami Muthukumar, MD**, Eugene Tsimerinov, MD, PhD, Hope Gruendler, MSN, CNS, et al; “Clinical Trial Testing Lithium in ALS Terminates Early for Futility” – NIH Study - 2010**Publications**

- Thomas L. Lombardi, Edward Barton, Jingtian Wang, Dawn S. Eliashiv, Jeffrey M. Chung, **Abirami Muthukumar**, Evgeny I. Tsimerinov, “The elbow flex-ex: a new sign to detect unilateral upper extremity non-organic paresis.” JNNP, May 21, 2013; 00:1-3. doi.10.1136/jnnp-2012-304314

- Swati P. Aggarwal, MD, Lorne Zinman, MD, **Abirami Muthukumaran, MD**, Eugene Tsimerinov, MD, PhD, Hope Gruendler, MSN, CNS, et al; “Clinical Trial Testing Lithium in ALS Terminates Early for Futility” *Lancet Neurol.* 2010 May, 9(5): 481-488.
- Cohen SN and **Muthukumaran, A.**, et al - Symptom Spread to Contiguous Body Parts as a Presentation of Cerebral Ischemia - *Cerebrovascular Disease* 2002; 14:84-89-

Presentations

- Anishee K. Shah, MD, Dawn S. Eliashiv, MD, John R. Adam Mamelak, MD, Jefferson, MD, Jeffrey M. Chung, MD, Mohsin Ansari, MD, **Abirami Muthukumaran, MD**, Evgeny I. Tsimerinov, MD. Prolonged Asystole: Neurogenic vs. Cardiac Origin? (Ictal Asystole Captured During Invasive EEG Monitoring with Successful Surgical Outcome). AAN 65th Annual Meeting, March 2013, San Diego, California
- Ashraf Elsayegh, MD, Evgeny I. Tsimerinov, MD, **Abirami Muthukumaran, MD**, Robert H. Baloh, MD. Natural History of DPS. AAN 65th Annual Meeting, March 2013, San Diego, California.
- Anishee K. Shah, MD, Lilit Mnatsakanyan, MD, Dawn S. Eliashiv, MD, John R. Jefferson, MD, Jeffrey M. Chung, MD, Robert Zelaya, **Abirami Muthukumaran, MD**, Evgeny I. Tsimerinov, MD. Comparison of Continuous 32 Channel EEG Monitoring and SSEPs Monitoring with Burst Suppression during Carotid Endarterectomy (CEA) in Predicting Surgical Outcome. ACNS Annual Meeting, February 2013, Orlando, Florida
- Ashraf Elsayegh, MD, **Abirami Muthukumaran, MD**, Evgeny I. Tsimerinov, MD, Robert H. Baloh, MD. Natural History of DPS. NEALS, October 2012, Miami, FL
- Thomas Lombardi, MD, Edward Barton, MD, Dawn Eliashiv, MD, FAAN, Jeffrey Chung, MD, **Abirami Muthukumaran, MD**, Jingtian Wang, MD, Evgeny Tsimerinov, MD, PhD. The Tsimerinov Sign: To Detect Non-Organic Weakness of the Upper Extremity. Poster, AAN 64th Annual Meeting, April 2012, New Orleans
- CEEG findings in Hypothermia (co-author) – poster presentation at AAN, April 2012
- Utilization of Advance Directives in one ALS Clinic- Poster presentation at the Northeast ALS Consortium Meeting (NEALS) October 2009
- Combined monitoring of somatosensory and motor evoked potentials in the Operating room – Poster presentation at the ACNS Annual meeting, November, 2006 and at the American Academy of Neurology Annual Meeting (AAN) Boston, May, 2007.
- The clinical significance of GRE T2* imaging in routine ischemic strokes- Poster presentation at the American Academy of Neurology, April, 2003.

- Management of Vascular Risk Factors: An Under treated Opportunity for Stroke Prevention Presented abstract in the American Stroke Association – 26th International Conference, February, 2001.
- Marching Symptoms of Stroke/TIA: Is it a Clinical marker of Amyloid Angiopathy?
- Presented abstract in the American Stroke Association – 25th International Stroke Conference, February, 2000.

Teaching Experience/Invited Lectures

- Yearly medical students and residents lecture series on Neuromuscular Emergencies and differential diagnosis of ALS and Neuromuscular disorders- 2005 to present
- Multidisciplinary ALS clinic - Cedars Sinai Medical Center, March 2012
- Symptoms Management in ALS- Cedars Sinai Medical Center, October 2010
- Invited CME lecture on ALS Management Strategies, NeuroRehabilitation annual CME event, September 2008
- Lecture on Treatment strategies in ALS and current clinical trials at the Cedars-Sinai Medical Center Grand Opening of the ALS Center – March 10, 2007
- Lecture on ALS Clinical Management and Current Research to the ALS patients, community and health care professionals at Hilton, Glendale in December 2006
- Lecture on ALS Clinical Management (ALSA sponsored) to ALS patients, community and physicians at Bakersfield, California – September, 2007
- Lectures to Internal Medicine and psychiatry residents twice a month at Cedars–Sinai Medical Center, Los Angeles from July 2004 to June 2005- Diagnosis and Management of Common Neurological diseases.
- Grand Rounds and Emergency Lecture series, Department of Medicine at Cedars-Sinai Medical Center August, 2005 and August 2008 – Neuromuscular Emergencies
- Lecture to Neurology Residents at UCLA, Los Angeles on July 17, 2003 – Neuromuscular Emergencies
- Grand Rounds Case Presentation at West Los Angeles VA Medical Center, Los Angeles in September 2003 – Susac Syndrome
- Grand Rounds Case Presentation at Olive View Medical Center, Los Angeles in August 2003 – A case of West Nile Encephalitis with monoparesis.

- Lectures to students and junior residents once a week during consult and stroke service rotations at UCLA and West Los Angeles VA Medical Center during 2003-2004.

Honors

- 1991- Secured highest grade in Biology in the state in high school secondary public examination.
- 1993- Distinction in University Neuroanatomy examination
- 1994- Distinction in University Pathology examination
- 2004- Allan B. Scott Scholarship for attending a National Neurology meeting from the Neurotoxin Institute
- 2004 - Epilepsy Top Scholar - American Epilepsy Society Meeting at New Orleans, December, 2004.

Memberships

American Academy of Neurology (AAN)
State Medical Council, Tamil Nadu, India

Community Service

Patient and Caregiver education regarding ALS Management

Vagesam School for the Mentally retarded children, Chidhambaram, India

As a volunteer and member of the committee, I took part in various activities including assisting pediatricians, part time instruction for children, training village health nurses regarding early diagnosis and management of mentally retarded children, delivering lectures for community awareness and fund raising.

Hobbies

Hiking, swimming, cooking, spending time with family and travel.