**Dr. Somasundaram Aadhimoolam Chinnadurai**

MBBS, MD (General Medicine), DM (Neurology), MRCP (Neurology, UK), PhD (Neurology).

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Date of Birth: 20.08.1984

**BIOGRAPH**

Dr. Somasundaram A.C. is an illustrious Clinical Neurologist, Neurophysiologist and Stroke Specialist. He has the distinction till date of being the youngest to receive PhD in Neurology under the Tamilnadu Dr. MGR Medical University.His round the clock dedication to the patients’ well-being with his exemplary diagnostic skills helps him identify and treat any ailment at its earliest possible stage with more than a decade of experience as a clinician. His constant endeavor to update his knowledge in the ever-advancing field of clinical neurology assists him to provide his privileged patients with up to date information regarding their illness and the advanced treatment options available. His unsurpassable knowledge in the field of Neurology has won him numerous accolades from the national and international medical fraternity.

**EDUCATION**

**PhD Neurology 2014 – 2019**

Research Title: ‘Electrophysiological abnormalities in Inflammatory Demyelinating Disorders of the Central Nervous System’.

The Tamilnadu Dr. MGR Medical University.

**MRCP Neurology 2019**

Specialty Certificate Examination

**DM Neurology 2013 – 2016**

Madras Medical College, Chennai.

The Tamilnadu Dr. MGR Medical University.

**MD General Medicine 2009 – 2012**

Government Kilpauk Medical College, Chennai.

The Tamilnadu Dr. MGR Medical University.

**MBBS 2002 – 2008**

The Tamilnadu Dr. MGR Medical University.

**PROFESSIONAL EXPERIENCE**

* Currently serving as Consultant at Chennai urology and robotics institute, thoraipakkam and Apollo hospitals, Greams road, Chennai.
* Also serving as Consultant at Apollo Speciality Hospital, Teynampet, Chennai and Prashant Superspeciality Hospital, Velachery, Chennai.

**ACADEMIC AWARDS AND ACHIEVEMENTS**

* University medallist in DM Neurology.
* Youngest to receive PhD in Neurology under the Tamilnadu Dr. MGR Medical University.
* Received Gold Medal in Paediatrics during final year MBBS.
* Received International Elsevier Atlas award for co-authoring a review article titled ‘Application of mobile phones in Epilepsy care’ in the International Journal of Epilepsy June 2015.
* The same article has also been appreciated for being the most downloaded article till date in several national conferences.
* Received International Journal of Epilepsy Best Article Award 2015. DOI: 10.1016/S2213-6320(16)30047-1
* Declared south zone topper in Neurology in TYSA 2015 (Torrent Young Scholar award – National level Neurology competition conducted by Torrent Pharmaceuticals).
* Declared 2nd place at National level in TYSA 2015 (Torrent Young Scholar award – National level Neurology competition conducted by Torrent Pharmaceuticals).
* Received best poster presentation award at ICTRIMS 2016, Mangalore (Indian Committee for Treatment and Research in Multiple Sclerosis).
* Presented several papers in international and national conferences (AAN annual meeting, TANCON 2019, IANCON 2014, 2015, 2016, ECON 2015, ICTRIMS 2016 etc.).

**PUBLICATIONS**

* Chinnadurai SA, Venkatesan SA, Shankar G, Samivel B, Ranganathan LN. A study of cognitive fatigue in Multiple Sclerosis with novel clinical and electrophysiological parameters utilizing the event related potential P300. Mult Scler Relat Disord. 2016 Nov;10:1-6. doi: 10.1016/j.msard.2016.08.001. Epub 2016 Aug 8. PubMed PMID: 27919474
* Chinnadurai SA, Gandhirajan D, Srinivasan AV, Kesavamurthy B, Ranganathan LN, Pamidimukkala V. Predicting falls in multiple sclerosis: Do electrophysiological measures have a better predictive accuracy compared to clinical measures? Mult Scler Relat Disord. 2018 Feb;20:199-203. doi: 10.1016/j.msard.2018.01.027. Epub 2018 Feb 2. PubMed PMID: 29414299.
* Chinnadurai SA, Gandhirajan D, Pamidimukala V, Kesavamurthy B, Venkatesan SA. Analysing the relationship between polysomnographic measures of sleep with measures of physical and cognitive fatigue in people with multiple sclerosis. Mult Scler Relat Disord. 2018 May 23;24:32-37. doi: 10.1016/j.msard.2018.05.016. [Epub ahead of print] PubMed PMID: 29883851
* Chinnadurai SA, Ranganathan LN, Shankar G, Arulnambi T, Mehndiratta MM. A monograph on Perampanel. International Journal of Epilepsy. 2016; 3(2):86-90.
* Chinnadurai SA, Gandhirajan D, Srinivasan AV, Ranganathan LN (2017) Attention Impairment in Multiple Sclerosis and the Utility of Various Clinical Tests and the Event Related Potential P300 to Detect it – A Case Control Study From a Tertiary Care Centre in South India. BAOJ Neurol 3: 48.
* Chinnadurai SA, Kesavamurthy B, Ranganathan LN, Srinivasan AV. Cognitive Fatigue in Multiple Sclerosis: Navigating Uncharted Waters. IAN Textbook of Neurology: Jaypee Brothers Medical Publishers Pvt. Limited; 2018; 878 – 882.
* Ranganathan LN, Chinnadurai SA, Samivel B, Kesavamurthy B, Mehndiratta MM. Application of mobile phones in epilepsy care. International Journal of Epilepsy. 2015; 2(1):28-37.
* Samivel B, Chinnadurai SA, Ranganathan LN et al. Current Concepts in Neurogenetics. Reviews in Neurology: CME proceedings of the Indian Academy of Neurology 2015.
* Ranganathan LN, Chinnadurai SA, Chellathurai A, et al. Atypical Parkinsonism: Disentangling the Clinical Conundrum. Journal of International Medical Sciences Academy 2016; 29 (1), 42-47.

**PAPERS PRESENTED IN INTERNATIONAL/ NATIONAL CONFERENCES**

* Predicting Falls in Multiple Sclerosis: Are Electrophysiological Measures more accurate than Clinical Measures? (P4.391) Somasundaram Chinnadurai, Avathvadi Srinivasan, Bhanu Kesavamurthy, Lakshmi Ranganathan. Neurology Apr 2018, 90 (15 Supplement) P4.391;
* Quantifying Cognitive Fatigue in Multiple Sclerosis using P300 Evoked Potentials (P4.398) Somasundaram Chinnadurai, Avathvadi Srinivasan, Lakshmi Ranganathan, Bhanu Kesavamurthy. Neurology Apr 2018, 90 (15 Supplement) P4.398;
* Exploring the Relationship between Polysomnographic Measures of Sleep with Measures of Attention Impairment, Fatigue, Anxiety, and Depression in People with Multiple Sclerosis. TANCON 2019.
* Platform Session 206. A Study of the impact of Chronic Daily Headache on quality of life in a tertiary care centre in South India. IANCON 2014.
* Platform Session 02 - EO1/42. A cross-sectional study on the impact of Clinical Depression on Medication adherence in patients with Generalised Epilepsy. IANCON 2015.
* HP7/161. Sympathetic Skin Response in Patients with Migraine. IANCON 2015.
* A cross-sectional study of postictal headache in patients with generalized epilepsy in a tertiary care centre. ECON 2015.
* Prevalence and Profile of Cognitive fatigue in Multiple Sclerosis using novel clinical and electrophysiological measures. ICTRIMS 2016.
* AP9/154: Prevalence and profile of attention impairment in patients with Multiple Sclerosis using novel clinical and electrophysiological tools - a case control study from a tertiary care centre in South India. IANCON 2016.

**AREAS OF EXPERTISE**

Migraine Treatment

Dementia Treatment

Epilepsy Treatment

Insomnia Treatment

Vertigo Treatment

Sleep Disorder Treatment

STROKE

Neuromuscular Disorders

Neurological dysfunction

Nerve and Muscle Disorders

Paralysis

Neurological Problems

Peripheral Nerve

Parkinson's Disease Treatment

Multiple Sclerosis Treatment

PET Scan

Vascular Brain Diseases

EEG

Alzheimer's Disease

Video EEG

CERVICAL SPONDYLOSIS

Brain Mapping

Foot Drop

Spinal Tap

Sciatica Pain Treatment

**MEMBERSHIPS**

* Member in American Academy of Neurology since 2014
* Member in Indian Academy of Neurology since 2014
* Indian Epilepsy Association - Life member
* Association of Physicians of India - Life member
* Movement Disorders Society of India – Member