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## Dystonia profile in a tertiary care hospital from southern India

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**D**ystonia is a movement disorder characterized by sustained or intermittent muscle contractions causing abnormal, often repetitive, movements, postures, or both. The aim of the study is to present the profile of patients presenting with dystonia in a tertiary care center in southern India. The study period is from January, 2015 to June, 2016. Data of patients admitted in neurology ward or attending movement disorder clinic of Madras Medical College, Chennai, India were collected retrospectively and were analyzed. A total of 30 patients with dystonia were included in the study of which 43% (n=13) were males and the rest were females; 40% (n=12) patients had isolated dystonia while the remaining 60% (n=18) had combined dystonia syndromes. Based on the age of onset, 30% (n=9) patients had adolescent onset (13-20 yrs), 43% (n=13) had early adulthood onset (21-40 yrs) and 27% (n=8) had late adulthood onset (>40 yrs). Based on body distribution, 33% (n=10) patients had focal dystonia, 7% (n=2) had segmental, 47% (n=14) had multifocal dystonia, 7% (n=2) had hemidystonia and 7% (n=2) had generalized dystonia. Based on the etiology 47% (n=14) patients had degenerative cause [43% (n=13) cases had Wilson and 3% (n=1) had neuro acanthocytosis], 13% (n=4) patients had acquired cause [10% (n=3) cases were drug induced and 3% (n=1) due to hypoxic brain injury and in the remaining 40% (n=12) patients, no cause could be found. Based on the progression, 47% (n=14) patients had progressive disease and in the remaining patients the disease was static or recovered. Wilson's disease is by far the common degenerative disease presenting with dystonia in our center & cervical dystonia is the most common idiopathic cause.

### Biography

Prabaharan Chellamuthu is currently doing his Neurology residency in Institute of Neurology, Madras Medical College, Chennai, India. He has done his under graduation from 2004-2010 in Stanley Medical college, Chennai. He has done MD Paediatrics from 2011-2014 at Lady Hardinge Medical College, New Delhi, India. He has received Dr. C.B. Rama Rao prize and N. Radhakrishna Iyer prize in Stanley Medical College. He has published paper on infantile spasms and presented posters in both national and international conferences. His areas of interest are paediatric epilepsies and movement disorders.

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