

CURRICULUM VITAE

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**Fellowship in Parkinson's disease and movement disorder, NINDS, NIH,
Bethesda, USA (Mark Hallett)**

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SOCIETIES, COMMITTEES

Chair- Post-stroke movement disorder study group of International Parkinson
and movement disorder society (IPMDS)

Tremor study group member of IPMDS

Dystonia study collation IPMDS

Functional movement disorder study group member of IPMDS

Stiff person syndrome task force of IPMDS

Neurophysiology task force of IPMDS

Executive committee member of IPMDS MDS-AOS section

Executive committee member Neurological society of India

Executive committee member Movement disorder society of India

Associate Editor, Frontiers in Neurology, Movement Disorders

Associate editor, Annals of movement disorder journal

Member, American academy of Neurology (171600)

Member IPMDS (26792)

Indian Academy of Neurology (LM 122)

Member Delhi Neurology Association (DNA 064)

Indian stroke association (ISA-313-LM)

Current Research:

1. The Indian Movement Disorder Registry and Biobank: Clinical and genetic evaluation of movement disorders in Indian patients: Funded by Department of biotechnology, Government of India
2. Indian Collaborative Research Network on Wilson's Disease" (iCROWD): Council of Scientific & Industrial Research (CSIR),

Government of India

3. Frequency of different subtypes of cervical dystonia: A French-Danish-German-Indian-Polish observational study- An investigator-initiated study, by Prof. Wolfgang H Jost, Germany
4. A comparative study of clinical and neuroanatomical correlates of writer's cramp and primary writing tremor patients using a MRI compatible touchscreen: Approved for funding by Indian council of medical research, Government of India
5. Mono-symptomatic rest tremor: Classification based on clinical, electrophysiological and Dopamine transporter binding profile in Indian patients: Approved for funding by Science and Engineering Research Board, Department of science and technology, Government of India
6. Non funded observational study:
 - a. A comparative study of cognitive profile of early onset and late onset Parkinson's disease patients
 - b. A study of clinical spectrum of drug induced movement disorders and its associated risk factors
 - c. Clinical and electrophysiological profile of essential tremor plus patients
 - d. Voxel based assessment of brain in craniocervical dystonia

Completed research studies:

- Post botulinum toxin weakness in writer's cramp patients: With or without electromyography assistance
- Tremor in dystonia
- Post stroke movement disorder: Clinical and neuroimaging findings
- Modification of dopaminergic drugs following deep brain stimulation in Parkinson's disease patients
- Continuous dyskinesia and tremor study in Parkinson disease patients using the immobility device
- Effects of pairing brain and peripheral nerve stimulation in organic dystonia, psychogenic dystonia and healthy volunteers using repetitive paired associative stimulation (rpas) technique
- LTD-like effect in human motor cortex with low frequency and very short duration of paired associative stimulation
- Ethanol response in essential tremor: clinical and neurophysiological correlates
- Botulinum toxin in movement disorder patients
- Clinical and radiological correlates of movement disorder in Japanese encephalitis patients
- Cerebrospinal fluid catecholamine levels in Japanese Encephalitis Patients With Movement Disorders
- Sleep related disorders in Parkinson's disease patients
- Genotypic and Phenotypic Correlations in Parkinson Disease Patients.
- Clinical and Electrophysiological Study of Tremor in the Patients with Adult Onset Primary Dystonia.
- Sensory Tricks in Dystonia
- Striatal and postural deformities in Parkinson's disease
- Non motor symptoms in Parkinson's disease

- Sleep related disorders in Parkinson's disease
- A Clinical Study of Post Stroke Movement Disorder
- Psychogenic movement disorder in adults and children

Important publications:

1. Pandey S, Pitakpatapee Y, Saengphatrachai W, Chouksey A, Tripathi M, Srivanitchapoom P. Drug-Induced Movement Disorders. *Semin Neurol*. 2023 Feb;43(1):35-47. doi: 10.1055/s-0043-1763510. Epub 2023 Feb 24. PMID: 36828011.
2. Mishra A, Pandey S. Functional Neurological Disorders: Clinical Spectrum, Diagnosis, and Treatment. *Neurologist*. 2022 Jul 18. doi: 10.1097/NRL.0000000000000453. Epub ahead of print. PMID: 35858632.
3. Mishra A, Pandey S. Clinical Features, Neuroimaging, and Levodopa-Responsiveness in Holmes' Tremor: A Video-Based Case-Series with a Review of the Literature. June 2022. *Movement Disorders Clinical Practice*. DOI: 10.1002/mdc3.13501
4. Ratliff JB, Schaefer SM, Chitnis S, Cooney JW, Hess CW, Okubadejo N, Shalash A, Moro E, Sue C, Pandey S, Pal PK, Yang L. Viewpoint on Milestones for Fellowship Training in Movement Disorders. *Mov Disord*. 2022 Jul 11. doi: 10.1002/mds.29146. Epub ahead of print. PMID: 35816077.
5. Mishra A, Pandey S. Hyperpigmentation Probably Related to Haloperidol in a Patient with Neuroacanthocytosis. *Mov Disord Clin Pract*. 2022 Mar 30;9(4):556-557. doi: 10.1002/mdc3.13440. PMID: 35586539; PMCID: PMC9092737.
6. Mittal SO, Pandey S. Botulinum toxin for the treatment of tremor. *J Neurol Sci*. 2022 Apr 15;435:120203. doi: 10.1016/j.jns.2022.120203. Epub 2022 Feb 19. PMID: 35227926.
7. Lidstone SC, Costa-Parke M, Robinson EJ, Ercoli T, Stone J; FMD GAP Study Group. Functional movement disorder gender, age and phenotype study: a systematic review and individual patient meta-analysis of 4905 cases. *J Neurol Neurosurg Psychiatry*. 2022 Jun;93(6):609-616. doi: 10.1136/jnnp-2021-328462. Epub 2022 Feb 25. PMID: 35217516.
8. Pandey S, Chouksey A, Pitakpatapee Y, Srivanitchapoom P. Movement disorders and musculoskeletal system: A reciprocal relation. *Movement Disorders Clinical Practice*.
9. 05 December 2021. <https://doi.org/10.1002/mdc3.13390>
10. Lenka A, Pandey S. Essential Tremor: Five New Things. *Neurol Clin Pract* Dec.2021, 10.1212/CPJ.0000000000001145; DOI:10.1212/CPJ.0000000000001145
11. Pandey, S., & Bhattad, S. (2021). Soft Signs in Essential Tremor Plus: A Prospective Study. *Movement disorders clinical practice*, 8(8), 1275–1277. <https://doi.org/10.1002/mdc3.13350>
12. Pandey, S., Benito-León, J., & Kuo, S. H. (2021). Editorial: Tremor Syndromes: Current Concepts and Future Perspectives. *Frontiers in neurology*, 12, 752463. <https://doi.org/10.3389/fneur.2021.752463>

13. Gupta N, Pandey S. Treatment of focal hand dystonia: current status. *Neurol Sci.* 2021 Sep;42(9):3561-3584. doi: 10.1007/s10072-021-05432-7. Epub 2021 Jul 2. PMID: 34213695.
14. Pandey S, Bhattad S, Dinesh S. Tremor in Primary Monogenic Dystonia. *Curr Neurol Neurosci Rep.* 2021 Jul 15;21(9):48. doi: 10.1007/s11910-021-01135-w. PMID: 34264428.
15. Lang AE, Bhattad S, Rawat CS, Pandey S, Sethi KD. Commentary: Monochorea of the Upper Limb in a Patient with Spinocerebellar Ataxia Type 12. *Mov Disord Clin Pract.* 2021 Sep 3;8(Suppl 1):S53-S54. doi: 10.1002/mdc3.13290. PMID: 34514053; PMCID: PMC8414487.
16. Bhattad S, Rawat CS, Pandey S. Monochorea of the Upper Limb in a Patient with Spinocerebellar Ataxia Type 12. *Mov Disord Clin Pract.* 2021 Sep 3;8(Suppl 1):S51-S52. doi: 10.1002/mdc3.13288. PMID: 34514052; PMCID: PMC8414515.
17. Stamelou M, Mishra A, Bhattad S, Pandey S, Fung VSC. Commentary: Insulinoma-Induced Hypoglycemia with Generalized Chorea, Dystonia, and Ataxia: A Neurological Kaleidoscope. *Mov Disord Clin Pract.* 2021 Sep 3;8(Suppl 1):S9-S10. doi: 10.1002/mdc3.13302. PMID: 34514035; PMCID: PMC8414494.
18. Mishra A, Bhattad S, Pandey S. Insulinoma-Induced Hypoglycemia with Generalized Chorea, Dystonia, and Ataxia: A Neurological Kaleidoscope. *Mov Disord Clin Pract.* 2021 Sep 3;8(Suppl 1):S6-S8. doi: 10.1002/mdc3.13287. PMID: 34514034; PMCID: PMC8414500.
19. Datta A, Batra N, Pandey S. Primary Writing Tremor: Current Concepts. *Ann Indian Acad Neurol.* 2021 May-Jun;24(3):319-326. doi: 10.4103/aian.AIAN_1264_20. Epub 2021 May 21. PMID: 34446992; PMCID: PMC8370167.
20. Pandey S, Datta A. A Primary Writing Tremor Is a Form of Dystonic Tremor: Is the Debate Settled? *Mov Disord.* 2021 Aug;36(8):1995-1996. doi: 10.1002/mds.28696. PMID: 34409691.
21. Suresh N, Garg D, Pandey S, Malhotra RK, Majumdar R, Mukherjee SB, Sharma S. Spectrum of Movement Disorders and Correlation with Functional Status in Children with Cerebral Palsy. *Indian J Pediatr.* 2021 Jun 7. doi: 10.1007/s12098-021-03785-7. Epub ahead of print. PMID: 34097232.
22. Jain R, Pandey S, Raghav S. Movement Disorders in Children. *Indian Pediatr.* 2021 Sep 15;58(9):861-870. Epub 2021 May 20. PMID: 34016797.
23. Pandey S, Tomar LR. The Ala53Thr Mutation in the α -Synuclein Gene in an Indian Patient with Young-Onset Parkinson's Disease. *Mov Disord Clin Pract.* 2021 Apr 4;8(4):624-626. doi: 10.1002/mdc3.13191. PMID: 33981801; PMCID: PMC8088090.
24. Tater P, Pandey S. Post-stroke Movement Disorders: Clinical Spectrum, Pathogenesis, and Management. *Neurol India.* 2021 Mar-Apr;69(2):272-283. doi: 10.4103/0028-3886.314574. PMID: 33904435.
25. Chouksey A, Pandey S. Autoimmune Movement Disorders: A Video-Based Case Series of 11 Patients. *Eur Neurol.* 2021;84(2):124-128.
26. Dressler D, Altavista MC, Altenmueller E, Bhidayasiri R, Bohlega S, Chana P, Chung TM, Colosimo C, Fheodoroff K, Garcia-Ruiz PJ, Jeon B, Jin L, Kanovsky P, Milanov I, Micheli F, Orlova O, Pandey S,

- Pirtosek Z, Relja M, Rosales R, Sagástegui-Rodríguez JA, Shahidi GA, Timerbaeva S, Wan X, Walter U, Saberi FA. Consensus guidelines for botulinum toxin therapy: general algorithms and dosing tables for dystonia and spasticity. *J Neural Transm (Vienna)*. 2021 Mar;128(3):321-335.
27. Kumar S, Abbas MM, Govindappa ST, Muthane UB, Behari M, Pandey S, Juyal RC, Thelma BK. Compound heterozygous variants in Wiskott-Aldrich syndrome like (WASL) gene segregating in a family with early onset Parkinson's disease. *Parkinsonism Relat Disord*. 2021 Mar;84:61-67.
 28. Jost WH, Drużdż A, Pandey S, Biering-Sørensen B, Kreisler A, Tatu L, Altmann CF, Sławek J. Dose per muscle in cervical dystonia: pooled data from seven movement disorder centres. *Neurol Neurochir Pol*. 2021;55(2):174-178.
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 32. Mishra A, Pandey S. Cranial Functional Movement Disorders: A Case Series with Literature Review. *Tremor Other Hyperkinet Mov (N Y)*. 2020 Aug 25;10:33. doi: 10.5334/tohm.352. PMID: 32963892; PMCID: PMC7485402.
 33. Mishra A, Pandey S. RTN2-gene associated spastic paraplegia in an Indian patient with anterior horn cell involvement. *Parkinsonism Relat Disord*. 2020 Aug 11;78:122-123.
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 35. Kumar S, Yadav N, Pandey S, Muthane UB, Govindappa ST, Abbas MM, Behari M, Thelma BK. Novel and reported variants in Parkinson's disease genes confer high disease burden among Indians. *Parkinsonism Relat Disord*. 2020 Jul 16;78:46-52.
 36. Pandey, S. and Balint, B. (2020), Mind the Gap: Seronegative but Cerebrospinal Fluid Antibody-Positive Anti-N -Methyl-D-Aspartate Receptor Encephalitis. *Mov Disord Clin Pract*. doi:[10.1002/mdc3.12974](https://doi.org/10.1002/mdc3.12974)
 37. Saini AG, Pandey S. Hyperekplexia and other startle syndromes. *J Neurol Sci*. 2020 Jul 20;416:117051. doi: 10.1016/j.jns.2020.117051. Epub ahead of print.
 38. Kumar S, Yadav N, Pandey S, Muthane UB, Govindappa ST, Abbas MM, Behari M, Thelma BK. Novel and reported variants in Parkinson's disease genes confer high disease burden among Indians. *Parkinsonism Relat Disord*. 2020 Jul 16;78:46-52.doi:10.1016/j.parkreldis.2020.07.014. Epub ahead of print. PMID: 32707456.

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40. Rajan R, Divya KP, Kandadai RM, Yadav R, Satagopam VP, Madhusoodanan UK, Agarwal P, Kumar N, Ferreira T, Kumar H, Sreeram Prasad AV, Shetty K, Mehta S, Desai S, Kumar S, Prashanth LK, Bhatt M, Wadia P, Ramalingam S, Wali GM, Pandey S, Bartusch F, Hannussek M, Krüger J, Kumar-Sreelatha A, Grover S, Lichtner P, Sturm M, Roeper J, Busskamp V, Chandak GR, Schwamborn J, Seth P, Gasser T, Riess O, Goyal V, Pal PK, Borgohain R, Krüger R, Kishore A, Sharma M; Lux-GIANT Consortium. Genetic Architecture of Parkinson's Disease in the Indian Population: Harnessing Genetic Diversity to Address Critical Gaps in Parkinson's Disease Research. *Front Neurol.* 2020 Jun 18;11:524. doi: 10.3389/fneur.2020.00524. PMID: 32655481; PMCID: PMC7323575.
41. Mishra A, Pandey S. Generalized Dystonia/Parkinsonism and Double-Doughnut Sign in Dengue Encephalitis. *Mov Disord Clin Pract.* 2020 May 8;7(5):585-586. doi: 10.1002/mdc3.12959. PMID: 32626815; PMCID: PMC7328428.
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44. Chouksey A, Pandey S. ATP1A3 mutation presenting as CAPOS syndrome + dystonia phenotype [published online ahead of print, 2020 Jun 17]. *Parkinsonism Relat Disord.* 2020;S1353-8020(20)30146-2.
45. Sanjay Pandey, Alexandre Kreisler, Artur Druzdż, Bo Biering-Sørensen, Jaroslaw Sławek, Laurent Tatu, Wolfgang H. Jost. Tremor in Idiopathic Cervical Dystonia - Possible Implications for Botulinum Toxin Treatment Considering the Col-Cap Classification. *Tremor and Other Hyperkinetic Movements.* 2020 (Accepted for publication).
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53. Jost WH, Tatu L, Pandey S, Sławek J, Drużdż A, Biering-Sørensen B, Altmann CF, Kreisler A. Frequency of different subtypes of cervical dystonia: a prospective multicenter study according to Col-Cap concept. *J Neural Transm (Vienna)*. 2019 Dec 11.
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- classification of tremors. *Mov Disord*. 2018 Dec;33(12):1966-1967. Doi: 10.1002/mds.27513.
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Invited talk during international conference:

1. **Rare movement disorder meeting, MDS-AOS**, March 2020
2. **Fourth International congress on treatment of dystonia**; Hannover 2019: Botulinum toxin in India
3. **SYNERGIES; Sydney 2017**: Clinical Phenomenology: Tremor in Dystonia

Abstract at International conferences:**Presented poster**

1. "Sleep related disorders in Parkinson's disease" at First World Parkinson congress, Glasgow 2010
2. "Seizure in Wilson's disease" at 15th International Parkinson's disease and movement disorder conference 2011, Toronto
3. "Dopa dysregulation syndrome" at 16th International Parkinson's disease and movement disorder conference 2012, Dublin
4. "Modification of dopaminergic medications in Parkinson's disease after deep brain stimulation surgery" at 18th International Parkinson's disease and movement disorder conference 2014, Stockholm
5. "Clinical spectrum of writer's cramp" at 19th International Parkinson's disease and movement disorder conference 2015, San Diego
6. "Sensory trick in idiopathic blepharospasm and cervical dystonia" at 20th International Parkinson's disease and movement disorder conference 2016, Berlin
7. "Botulinum toxin in primary and secondary hemifacial spasm" at 21st International Parkinson's disease and movement disorder conference 2017, Vancouver
8. 'Expanding the canvas of PRKN mutations and clinical phenotypes in familial and early onset Parkinson disease' at International Parkinson's disease and movement disorder conference 2018, Hong Kong

Awards:

1. Indo US Science and technology forum fellowship 2011 to do a fellowship in Parkinson's disease and movement disorders at NINDS/NIH, Bethesda, USA under Mark Hallett
2. Invited to present grand round at National institute of health organized by John Hopkin's university in 2013, titled "Post traumatic shoulder movement disorders"

Contribution to Indian academy of Neurology (IAN)

1. Received best paper award for paper "Sleep related disorders in Idiopathic and young onset Parkinson's disease" Indian academy of Neurology conference 2006
2. In 2014 and 2015 faculty at IANCON symposium
In 2016 (Hyperkinetic movement disorders), 2017 (Tremor) and 2018 (Autoimmune movement disorders), convener and faculty at IANCON symposium
3. Participated as faculty during IAN summer school at NIMHANS (Approach to multiple sclerosis), KIMS, Hyderabad (2018, Recent advances in movement disorders), Chennai (2019, Basal ganglia function)
4. Published number of articles in IAN journal AIAN, including a mini-series on Levodopa in 2017 and 'How do I do it' on focal hand dystonia in 2015

- **Member of IAN Since (Year) 2008**
- **Member of subsection since (Year) 2008**
- **Contributions to subsection: I have been attending every meeting of IAN Movement disorders sub-section since its inception. I have also participated and chaired the teaching programs organized by the subsection.**
- **Why do you want to become Chair / Convener of subsection:** If elected, I will work towards developing thoughtful education programs that will lead to increased knowledge, skills, and management, leading to better patient care and an increased understanding of the mechanisms of neurological disorders. Under the guidance of other executive committee members, I will also work towards strengthening and increasing the subsection membership and collaborate with other societies with overlapping goals to build strategic partnerships.