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CERTIFICATIONS

- American Board of Psychiatry and Neurology, Neurology
- American Board of Psychiatry and Neurology, Vascular Neurology
- United Council for Neurologic Subsidiaries, Neurocritical Care

EDUCATION

- M.D., The University of Texas, Medical Branch at Galveston, Texas
- Ph.D., The University of Texas, Dallas, Texas
- M.S.E.E., The University of Texas, Austin, Texas

JOURNAL PUBLICATIONS

1. Escamilla-Ocanas CE, Torrealba-Acosta G, Mandava P, Qasim MS, Gutierrez-Flores B, Bershad E, et al. Implementation of systematic safety checklists in a neurocritical care unit: A quality improvement study. *BMJ Open Qual.* 2022;11(4):. PMID: 36588320.
2. Shah C, Jackson GR, Sarwar AI, Mandava P, Jamal F. Treatment patterns in essential tremor: A retrospective analysis. *Tremor Other Hyperkinet Mov (N Y).* 2022;12:10. PMID: 35415009.
3. Torrealba-Acosta G, Barboza-Elizondo M, Fernandez-Morales H, Qasim M, Litvak P, Rothlisberger T, et al. Thrombolysis experience in Costa Rica compared against individual patient data from two randomized controlled trials. *J Stroke Cerebrovasc Dis.* 2022;31(8):106599. PMID: 35732087.
4. Tsivgoulis G, Katsanos AH, Eggers J, Larrue V, Thomassen L, Grotta JC, et al. Sonothrombolysis in patients with acute ischemic stroke with large vessel occlusion: An individual patient data meta-analysis. *Stroke.* 2021;52(12):3786-95. PMID: 34428930.
5. Tsivgoulis G, Katsanos AH, Mandava P, Kohrmann M, Soinne L, Barreto AD, et al. Blood pressure excursions in acute ischemic stroke patients treated with intravenous thrombolysis. *J Hypertens.* 2021;39(2):266-72. PMID: 32956103.
6. Katsanos AH, Alexandrov AV, Mandava P, Kohrmann M, Soinne L, Barreto AD, et al. Pulse pressure variability is associated with unfavorable outcomes in acute ischaemic stroke patients treated with intravenous thrombolysis. *Eur J Neurol.* 2020;27(12):2453-62. PMID: 32697894.
7. Murthy SB, Cho SM, Gupta A, Shoamanesh A, Navi BB, Avadhani R, et al. A pooled analysis of diffusion-weighted imaging lesions in patients with acute intracerebral hemorrhage. *JAMA Neurol.* 2020;77(11):1390-7. PMID: 32687564.
8. Alexandrov AV, Kohrmann M, Soinne L, Tsivgoulis G, Barreto AD, Demchuk AM, et al. Safety and efficacy of

- sonothrombolysis for acute ischaemic stroke: A multicentre, double-blind, phase 3, randomised controlled trial. *Lancet Neurol.* 2019;18(4):338-47. PMID: 30878103.
9. Alexandrov AV, Tsivgoulis G, Kohrmann M, Katsanos AH, Soinne L, Barreto AD, et al. Endovascular equipoise shift in a phase III randomized clinical trial of sonothrombolysis for acute ischemic stroke. *Ther Adv Neurol Disord.* 2019;12:. PMID: 31320933.
10. Derry PJ, Mandava P, Kent TA. Telemedicine in prehospital acute stroke care: An expanding infrastructure for treatment and research. *J Am Heart Assoc.* 2019;8(6):e012259. PMID: 30879369.
11. Harini JA, Luthra A, Madeka S, Shankar P, Mandava P, Pervaje R, et al. Ayurvedic treatment of acute ischemic stroke: A prospective observational study. *Glob Adv Health Med.* 2019;8:. PMID: 31211006.
12. Mandava P, Murthy SB, Shah N, Samson Y, Kimmel M, Kent TA. Pooled analysis suggests benefit of catheter-based hematoma removal for intracerebral hemorrhage. *Neurology.* 2019;92(15):e1688-97. PMID: 30894441.
13. Fabian RH, Derry PJ, Rea HC, Dalmeida WV, Nilewski LG, Sikkema WKA, et al. Efficacy of novel carbon nanoparticle antioxidant therapy in a severe model of reversible middle cerebral artery stroke in acutely hyperglycemic rats. *Front Neurol.* 2018;9:199. PMID: 29686642.
14. Murthy SB, Gupta A, Merkler AE, Navi BB, Mandava P, Iadecola C, et al. Restarting anticoagulant therapy after intracranial hemorrhage: a systematic review and meta-analysis. *Stroke.* 2017;48(6):1594-600. PMID: 28416626.
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17. Kent TA, Shah SD, Mandava P. Improving early clinical trial phase identification of promising therapeutics. *Neurology.* 2015;85(3):274-83. PMID: 26109712.
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24. Mandava P, Krumpelmann CS, Shah JN, White DL, Kent TA. Quantification of errors in ordinal outcome scales using shannon entropy: Effect on sample size calculations. *PLoS One.* 2013;8(7):e67754. PMID: 23861800.
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29. Mandava P, Dalmeida W, Anderson JA, Thiagarajan P, Fabian RH, Weir RU, et al. A pilot trial of low-dose intravenous abciximab and unfractionated heparin for acute ischemic stroke: Translating GP IIb/IIIa receptor inhibition to clinical practice. *Transl Stroke Res.* 2010;1(3):170-7. PMID: 24323522.
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34. Mandava P, Thiagarajan P, Kent TA. Glycoprotein IIb/IIIa antagonists in acute ischaemic stroke: Current status

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46. Mandava P, Howell GA, Frederickson CJ. Zinc-containing neuronal innervation of the septal nuclei. *Brain Res*. 1993;608(1):115-22. PMID: 8388309.

BOOK CHAPTERS and OTHER PUBLICATIONS

1. Mandava P, Krumpelmann CS, Murthy SB, Kent TA. A critical review of stroke trial analytical methodology: Outcome measures, study design, and correction for imbalances. In: Lapchack PA, Zhang JH, editors. *Translational stroke research: From target selection to clinical trials*. New York: Springer; 2012. p. 833-862.
2. Mandava P, Kent TA. Metabolic disease and stroke: Fabry's disease. In: Lorenzo NY, Lutsep H, editors. *eMedicine online neurology reference textbook*. eMedicine, Inc.; 2003. Available from: <http://www.emedicine.com/NEURO/topic579.htm>.
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6. Mandava P, Kent TA. Metabolic disease and stroke: Methylmalonic acidemia. In: Lorenzo NY, Lutsep H, editors. *eMedicine online neurology reference textbook*. eMedicine, Inc.; 2003. Available from: <http://www.emedicine.com/NEURO/topic576.htm>.
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POSTER and PLATFORM PRESENTATIONS

1. Alexandrov AW, Shearin AJ, Mandava P, Torrealba-Acosta G, Elangovan C, Krishnaiah B, et al. Zero degree head positioning in acute large vessel ischemic stroke (ZODIAC). Presented at the American Stroke Association, 2024 International Stroke Conference in Phoenix, Ariz. (Feb. 7-9, 2024). [Oral Presentation]
2. Jackson GR, Sarwar AI, Mandava P, Jamal F. Age at onset and therapeutic efficacy of primidone in essential tremor. *Mov Disord*. 2023;38(suppl 1):S431.
3. Torrealba Acosta G, James M, Laskowitz DT, Mandava P. Pooled-analysis derived model identifies CN-105 as a promising therapy to improve 90-day outcomes for patients with intracerebral hemorrhage. *Neurocrit Care*.

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4. Torrealba Acosta G, Menon G, Chang CWJ, Laskowitz DT, Mandava P. Development of predictive models for 90-day outcomes of patients with aneurysmal subarachnoid hemorrhage. *Neurocrit Care*. 2023;39(suppl 1):S252.
5. Barboza MA, Torrealba-Acosta G, Valdez H, Arauz A, Abanto C, Amaya PF, et al. A patient-level data Euclidean-matched analysis of reperfusion therapies in acute ischemic stroke from the Latin American Stroke Registry (LASE). Presented at the American Stroke Association, 2023 International Stroke Conference in Dallas, Texas (Feb. 8-10, 2023).
6. Torrealba-Acosta G, Barboza MA, Arauz A, Amaya PF, Ameriso SF, Cano V, et al. Favorable mechanical thrombectomy outcomes from the Latin American Stroke Registry (LASE) and resilient trial compared to a 90-day functional and mortality predictive model. Presented at the American Stroke Association, 2023 International Stroke Conference in Dallas, Texas (Feb. 8-10, 2023). [Oral Presentation]
7. Escamilla-Ocañas CE, Torrealba-Acosta G, Mandava P, Qasim MS, Gutiérrez-Flores B, Bershad E, et al. Patient and cost-benefit of utilizing checklists in the Neurocritical Care Unit. Presented at the Neurocritical Care Society (NCS), 20th Annual Meeting in San Antonio, Texas (Oct. 17-21, 2022).
8. Torrealba-Acosta G, Escamilla-Ocanas C, Mandava P, Bershad E, Hirzallah M, Venkatasubba Rao C, et al. Implementation of systematic safety checklists in a neurointensive care unit: A quality and improvement study. *Neurology*. 2022;98(18 suppl):. [Oral Presentation]
9. Divya B, Parameshwaran Nair R, Prakashini K, Girish Menon R, Litvak P, Mandava P, et al. A more generalizable DNN based automatic segmentation of brain tumors from multimodal low-resolution 2D MRI. 2021 IEEE 18th India Council International Conference (INDICON), 2021, pp. 1-5, doi: 10.1109/INDICON52576.2021.9691588.
10. Mandava P, Hegde A, Sandesh O, Menon G. Google Auto ML based prediction of outcomes in intracerebral hemorrhage - Bringing machine learning to clinicians. *Stroke*. 2021;52 Suppl 1:P421.
11. Mandava P, Torrealba-Acosta G, Barboza MA, Fernandez-Morales H, Qasim M, Litvak P, et al. Outcomes after thrombolysis for ischemic stroke in Costa Rica compare favorably with international cohorts. *Stroke*. 2021;52 Suppl 1:P17.
12. Katsanos AH, Tsivgoulis G, Mandava P, Kohrmann M, Soinne L, Barreto A, et al. Pulse pressure variability is associated with unfavorable outcomes in acute ischemic stroke patients treated with intravenous thrombolysis in a phase III randomized-controlled clinical trial. *Int J Stroke*. 2020;15(1 suppl):111-2.
13. Torrealba-Acosta G, Barboza-Elizondo M, Litvak P, Fernandez-Morales H, Rothlisberger T, Tsivgoulis G, et al. Response to thrombolysis in Costa Rican patients compared with NINDS and CLOTBUST-ER cohorts. *Int J Stroke*. 2020;15(1 suppl):741.
14. Tsivgoulis G, Katsanos AH, Eggers J, Larrue V, Thomassen L, Grotta J, et al. Moderators of the efficacy of sonothrombolysis in acute ischaemic stroke patients with large vessel occlusion: A systematic review and international collaborative individual patient data meta-analysis. *Int J Stroke*. 2020;15(1 suppl):118-9.
15. Tsivgoulis G, Katsanos AH, Mandava P, Kohrmann M, L Soinne, Barreto A, et al. Blood pressure excursions are associated with unfavorable outcomes in acute ischemic stroke patients treated with intravenous thrombolysis in a phase III randomized-controlled clinical trial. *Int J Stroke*. 2020;15(1 suppl):109-10.
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17. Murthy SB, Cho S-M, Gupta A, Shoamanesh A, Avadhani R, Gruber J, et al. Diffusion weighted imaging lesions in patients with acute intracerebral hemorrhage: A pooled analysis of individual patient data from MISTIE-III, ATACH-II, I-DEF, and ERICH. *Stroke*. 2020;51 Suppl 1:18.
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24. Hegde A, King Z, Ormseth C, Falcone G, Hwang D, Sansing L, et al. NIHSS is a better predictor of outcomes in ICH compared to GCS and hematoma volume. Information theory approaches applied to databases from India and U.S.. *Eur Stroke J*. 2018;3(1 Suppl):AS20-048.
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syndrome. *Neurology*. 2018;90(15 Suppl):P5.129.

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27. Mandava P, Shah N, Shah V, Rao CP, Kent TA. Identification of promising therapeutics for subarachnoid hemorrhage. *Neurocrit Care*. 2017;27(2 Suppl):S382.
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30. Murthy SB, Gupta A, Merkler AE, Navi BB, Mandava P, Iadecola C, et al. Resumption of anticoagulant therapy after intracranial hemorrhage: a systematic review and meta-analysis. Presented at the 6th World Intracranial Hemorrhage Conference (WICH), Baltimore, Md. (May 1-3, 2017).
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35. Mandava P, Martini SR, Shah VA, Fabian RH, Kent TA. Prior use of intravenous rt-PA improves outcome in endovascular stent retriever trials for acute large vessel ischemic stroke. Presented at the American Heart Association, 2016 Scientific Sessions in New Orleans, La. (Nov. 12-16, 2016).
36. Mandava P, Martini S, Shah V, Fabian R, Kent T. Intravenous rt-PA use prior to endovascular thrombectomy increases probability of good outcome in acute ischemic stroke. *Neurocrit Care*. 2016;25(1 Suppl):S122.
37. Mandava P, Murthy S, Samson Y, Kent T. Modeling outcome after intracerebral hemorrhage indicates no benefit and potential harm from aggressive blood pressure management. *Neurocrit Care*. 2016;25(1 Suppl):S21. [Platform Presentation]
38. Mandava P, Martini SR, Shah VA, Fabian RH, Kent TA. Factors influencing differential outcomes in stent retriever trials: Comparison to a new outcome model based on percent utilization of rt-PA. *Stroke*. 2016;47:WMP1.
39. Mandava P, Rosso C, Samson Y, Kent TA. Multi-center experience with low dose intravenous abciximab in large vessel posterior circulation stroke. *Stroke*. 2015;46:AWMP30.
40. Mandava P, Samson Y, Kent TA. Modeling outcome after intracerebral hemorrhage indicates no benefit from lowering blood pressure. *Stroke*. 2015;46:A95. [Oral Presentation]
41. Barreto AD, Mandava P, Guerrero W, Shen L, Grotta JC, Kent TA. Combination argatroban and TPA for acute ischemic stroke: A matched case-control analysis. *Stroke*. 2014;45:AWP52.
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43. Mandava P, Murthy SB, Dalmeida W, Hannawi Y, Wu EY, Kent TA. Generation of a pooled outcome model for traumatic brain injury to use for prediction of potential trial success. *Neurocrit Care*. 2013;19(1 Suppl):S74.
44. Shah S, Mandava P, Sarma AK, Kent TA. A pooled analysis identifies the potential to improve upon intravenous rt-PA. *Ann Neurol*. 2013;74 Suppl 17:S10. [Oral Presentation]
45. Mandava P, Martini S, Albright KC, Boehme AK, Martin-Schild S, Alexandrov AV, et al. Outcomes after tPA in African American women with explicit consideration of baseline factors. *Stroke*. 2013;44(2_MeetingAbstracts):ATP62.
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47. Mandava P, Weir RU, Shah SD, Hannawi Y, Murthy SB, Anderson JA, et al. Extending the time window with low dose IV abciximab in acute non-lacunar stroke. *Stroke*. 2013;44(2_MeetingAbstracts):AWP68.
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49. Mandava P, Shah S, Murthy SB, Kent TA. Low dose IV Abciximab for acute ischemic stroke patients ineligible for IV rt-PA. *Neurocrit Care*. 2012;17:S5. [Platform Presentation]
50. Krumpelman CS, Mandava P, Kent TA. Error rate estimates for the modified Rankin Score "Shift Analysis" using information theory modeling. *Stroke*. 2012;43(2_MeetingAbstracts) Suppl 1:A2372.

51. Mandava P, Brooks ME, Krumpelman CS, Kent TA. A new more sensitive method to assess balance among stroke trial populations. *Stroke*. 2012;43(2_MeetingAbstracts) Suppl 1:A2374.
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54. Mandava P, Sarma A, Anderson J, Wehner B, Kent T. How gender and race interact to influence outcome of ischemic stroke after treatment with rt-PA. *Cerebrovasc Dis*. 2011;31(suppl 2):263-4. [Previously Presented]
55. Mandava P, Sarma AK, Dalmeida W, Anderson JA, Kent TA. Hyperglycemia is an independent risk factor for poor outcome after rtPA only in the large artery stroke subtype. *Cerebrovasc Dis*. 2011;31(suppl 2):255.
56. Mandava P, Sarma AK, Dalmeida W, Anderson JA, Kent TA. Novel analysis methodology indicates extended window low-dose IV abciximab improves outcome. *Cerebrovasc Dis*. 2011;31(suppl 2):126.
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