

Trials of the Week: Nimodipine Landmark Studies

Special Guest: Salia Farrokh, PharmD, BCCCP, FNCS

Featured Trials

Allen GS, Ahn HS, Preziosi TJ, et al. Cerebral arterial spasm--a controlled trial of nimodipine in patients with subarachnoid hemorrhage. *N Engl J Med*. 1983 Mar 17;308(11):619-24. <https://pubmed.ncbi.nlm.nih.gov/6338383/>

Pickard JD, Murray GD, Illingworth R, et al. Effect of oral nimodipine on cerebral infarction and outcome after subarachnoid haemorrhage: British aneurysm nimodipine trial. *BMJ*. 1989 Mar 11;298(6674):636-42. <https://pubmed.ncbi.nlm.nih.gov/2496789/>

Guidelines

Hoh BL, Ko NU, Amin-Hanjani S, et al. 2023 Guideline for the Management of Patients With Aneurysmal Subarachnoid Hemorrhage: A Guideline From the American Heart Association/American Stroke Association. *Stroke*. 2023 Jul;54(7):e314-e370. <https://pubmed.ncbi.nlm.nih.gov/37212182/>

Treggiari MM, Rabinstein AA, Busl KM, et al. Guidelines for the Neurocritical Care Management of Aneurysmal Subarachnoid Hemorrhage. *Neurocrit Care*. 2023 Aug;39(1):1-28. <https://pubmed.ncbi.nlm.nih.gov/37202712/>

Articles Referenced

Towart R. The selective inhibition of serotonin-induced contractions of rabbit cerebral vascular smooth muscle by calcium-antagonistic dihydropyridines. An investigation of the mechanism of action of nimodipine. *Circ Res*. 1981 May;48(5):650-7. <https://pubmed.ncbi.nlm.nih.gov/7214673/>

Philippon J, Grob R, Dageou F, et al. Prevention of vasospasm in subarachnoid haemorrhage. A controlled study with nimodipine. *Acta Neurochir (Wien)*. 1986;82(3-4):110-4. <https://pubmed.ncbi.nlm.nih.gov/3538789/>

Petruk KC, West M, Mohr G, et al. Nimodipine treatment in poor-grade aneurysm patients. Results of a multicenter double-blind placebo-controlled trial. *J Neurosurg*. 1988 Apr;68(4):505-17. <https://pubmed.ncbi.nlm.nih.gov/3280746/>

Mahmoud SH, Hefny FR, Panos NG, et al. Comparison of nimodipine formulations and administration techniques via enteral feeding tubes in patients with aneurysmal subarachnoid hemorrhage: A multicenter retrospective cohort study. *Pharmacotherapy*. 2023 Apr;43(4):279-290. <https://pubmed.ncbi.nlm.nih.gov/36880540/>

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