

International Neuromodulation Society

<https://www.neuromodulation.com/>

The International **Neuromodulation** Society (INS) is a non-profit group of clinicians, scientists and engineers dedicated to the scientific development and awareness of neuromodulation – the alteration of nerve activity through targeted delivery of a stimulus, such as **electrical stimulation** or chemical agents, to specific neurological sites in the body. The San Francisco-based INS was formed in 1989 and educates and promotes the field through meetings, its peer-reviewed journal *Neuromodulation: Technology at the Neural Interface*, mentorship, and chapter websites. The INS also provides information for patients and produces rolling news briefs about this rapidly evolving field.

The International Neuromodulation Society convened a multispecialty group of physicians and scientists based on expertise with international representation to establish evidence-based guidance on intrathecal drug delivery in treating chronic pain. This Polyanalgesic Consensus Conference (PACC)[®] project, created more than two decades ago, intends to provide evidence-based guidance for important safety and efficacy issues surrounding intrathecal drug delivery and its impact on the practice of neuromodulation.

Materials and methods: Authors were chosen on the basis of their clinical expertise, familiarity with the peer-reviewed literature, research productivity, and contributions to the neuromodulation literature. Section leaders supervised literature searches of MEDLINE, BioMed Central, Current Contents Connect, Embase, International Pharmaceutical Abstracts, Web of Science, Google Scholar, and PubMed from 2017 (when PACC[®] last published guidelines) to the present. Identified studies were graded using the United States Preventive Services Task Force criteria for evidence and certainty of net benefit. Recommendations are based on the strength of evidence or consensus when evidence is scant.

Results: The PACC[®] examined the published literature and established evidence- and consensus-based recommendations to guide best practices. Additional guidance will occur as new evidence is developed in future iterations of this process.

Conclusions: The PACC[®] recommends best practices regarding intrathecal drug delivery to improve safety and efficacy. The evidence- and consensus-based recommendations should be used as a guide to assist decision-making when clinically appropriate ¹⁾

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Deer TR, Hayek SM, Grider JS, Hagedorn JM, McDowell GC 2nd, Kim P, Dupoirion D, Goel V, Duarte R, Pilitsis JG, Leong MS, De Andrés J, Perruchoud C, Sukumaran H, Abd-Elseyed A, Saulino M, Patin D, Poree LR, Strand N, Gritsenko K, Osborn JA, Dones I, Bux A, Shah JM, Lindsey BL, Shaw E, Yaksh TL, Levy RM. The Polyanalgesic Consensus Conference (PACC)[®]: Intrathecal Drug Delivery Guidance on Safety and Therapy Optimization When Treating Chronic Noncancer Pain. *Neuromodulation*. 2024 May 13:S1094-7159(24)00066-7. doi: 10.1016/j.neurom.2024.03.003. Epub ahead of print. PMID: 38752946.

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