

Bupivacaine

Bupivacaine is a local anaesthetic drug belonging to the amino amide group. It is commonly marketed under various trade names, including Marcain, [Marcaine](#) (Carestream Dental), Sensorcaine (Astra Zeneca) and Vivacaine (Septodont).

Perioperative [epidural steroids](#) after routine surgery for [lumbar degenerative disease](#) may result in a small reduction of post-op [pain](#), [length of stay](#), and the risk of not returning to work at 1 year, but most of the [evidence](#) originates from studies not using validated [outcome](#) assessment that favor positive results, and further study is recommended (various agents, dosages, co-administered drugs, and delivery methods were reported) ¹⁾. However, the combination of systemic [steroids](#) at the start of the case (Depo-Medrol® 160 mg IM and [methylprednisolone](#) sodium succinate (Solu-Medrol®) 250 mg IV) combined with infiltration of 30 ml of 0.25% [bupivacaine](#) (Marcaine®) into the [paraspinal muscles](#) at incision and closure, may reduce [hospital stay](#) and post-op narcotic requirements ²⁾.

¹⁾

Ranguis SC, Li D, Webster AC. Perioperative epi- dural steroids for lumbar spine surgery in degenerative spinal disease. J Neurosurg Spine. 2010; 13:745–757

²⁾

Glasser RS, Knego RS, Delashaw JB, et al. The Perioperative Use of Corticosteroids and Bipuvicaine in the Management of Lumbar Disc Disease. J Neurosurg. 1993; 78:383–387

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