

Intrathecal contrast agents

Inadvertent intrathecal injection of unapproved contrast agents

✖ Caution: serious reactions can occur with inadvertent intrathecal injection (e.g. for myelography, cisternography, ventriculography...) of [iodinated contrast media](#) that are not specifically indicated for [intrathecal](#) use (including ionic contrast agents as well as some non-ionic agents (e.g. [Optiray®](#), [Reno-60...](#))). This can cause uncontrollable [seizures](#), [intracerebral hemorrhage](#), [cerebral edema](#), [coma](#), [paralysis](#), [arachnoiditis](#), [myoclonus](#) (tonic-clonic muscle spasms), [rhabdomyolysis](#) with subsequent [renal failure](#), [hyperthermia](#), and respiratory compromise, with a significant fatality rate ¹⁾.

¹⁾

Rivera E, Hardjasudarma M, Willis BK, et al. Inadvertent Use of Ionic Contrast Material in Myelography: Case Report and Management Guidelines. *Neurosurgery*. 1995; 36:413–415

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Last update: **2024/06/07 02:58**

