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Epidural analgesia followed by epidural hydroxyethyl starch prevented postdural puncture headache: Twenty case reports and review of literature

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Abstract

BACKGROUND

Accidental dural puncture (ADP) and subsequent postdural puncture headache (PDPH) remain common complications of epidural procedures for obstetric anesthesia and analgesia. No clear consensus exists on the best way to prevent PDPH after ADP.

Match Overview

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Post-dural puncture headache (PDPH) is a severe iatrogenic complication **after accidental dural puncture** (ADP) [].Recent study [] has indicated that the use of an **epidural** injection of **hydroxyethyl starch** may be a suitable alternative for treatment of PDPH if **epidural** blood patch is contraindicated.Parturients with ADP during labor **analgesia** are more susceptible to PDPH [].

Cited by: 8

Author: Shen Sun, Shao-Qiang Huang

Publish Year: 2015

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Post-dural-puncture headache

Post-dural-puncture headache is a complication of puncture of the dura mater. The headache is severe and described as "searing and spreading like hot metal", involving the back and front of the head and spreading to the neck and shoulders, sometimes involving neck stiffness. It is exacerbated by movement and sitting or standing and is relieved to some degree by lying down. Nausea, vomiting, pain in arms and legs, hearing loss, tinnitus, vertigo, dizziness and paraesthesia of the scalp are also common.



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Epidural analgesia and anaesthesia has provided safe and reliable pain relief for childbirth for half a century [1-3]. However, accidental dural **puncture** (ADP) complicates between 0.5% and 2.5% of epidurals [4-6]. Following ADP, 80–86% of obstetric patients will develop **post dural puncture headache** (PDPH) [4-7]. Typically, this presents with severe frontal or occipital pain and sometimes with ...

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