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Case report

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Anaesthetic management of mosaic Turner's syndrome posted for elective cesarean section after spontaneous pregnancy.

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Abstract

Turner's Syndrome, one of the most common sex chromosome abnormalities in females, is caused by loss of part or all of an X chromosome. We report a case of mosaic Turner's syndrome, posted for elective cesarean section under low-dose sequential combined spinal epidural anesthesia. The unique features of this case were the combination of an anticipated difficult airway and both short stature and scoliosis in the lumbar region. A titrated combined spinal-epidural technique was performed in order to avoid hemodynamic instability, which could have been exacerbated in the presence of cardiovascular deformities that accompany this syndrome in many cases. The patient was managed successfully under regional anesthesia, which is generally a preferred technique to general anesthesia, to avoid sympathetic stimulation during intubation and emergence. Further, this technique may avoid potential complications associated with difficult airway management.

Key words

Turner's syndrome; mosaicism; combined spinal epidural; cesarean section

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