

论文

枢椎椎板螺钉联合寰椎侧块螺钉固定技术在复杂寰枢椎脱位中的应用

张元凯, 刘培来, 李德强, 李明

山东大学齐鲁医院骨科, 济南 250012

摘要:

目的 探讨枢椎椎板螺钉联合寰椎侧块螺钉固定技术在复杂寰枢椎脱位中的应用。方法 对6例合并枢椎椎弓根发育不良或粉碎性骨折的寰枢椎脱位患者,行枢椎椎板螺钉联合寰椎侧块固定,辅以寰枢椎间植骨融合的手术治疗。结果 所有患者术后复位及即刻稳定性良好,随访观察寰枢椎骨性融合良好,无椎动脉或脊髓损伤的情况,无寰枢椎以外颈椎节段椎间骨性连接。结论 在合并枢椎椎弓根发育不良或粉碎性骨折的寰枢椎脱位中,应用枢椎椎板螺钉联合寰椎侧块固定技术可取得良好效果。

关键词: 枢椎; 寰枢关节; 脱位; 内固定; 椎板钉

Application of axial laminar screws combined with atlantal lateral mass screws fixing method in the surgery of complicated atlantoaxial dislocation

ZHANG Yuan-kai, LIU Pei-lai, LI De-qiang, LI Ming

Department of Orthopedics, Qilu Hospital of Shandong University, Jinan 250012, China

Abstract:

Objective To explore the application of axial laminar screws combined with the atlantal lateral mass screws fixing method in surgery of complicated atlantoaxial dislocation. Methods 6 cases of atlantoaxial dislocation complicated by dysplasia or comminuted fracture of the axial pedicle root were involved in the study. Axial laminar screws combined with the atlantal lateral mass screws fixing method was performed on the patients, followed by fusing of the atlantoaxial joint using bone grafts. Results Satisfying reduction and stability of the cervical spine were shown in the X-ray film and CT image instantly after surgery. Adequate atlantoaxial fusion was shown in the X-ray film during follow-up. No evidence indicated vertebral artery or spinal cord injuries. Conclusion Axial laminar screws combined with the atlantal lateral mass screws fixing method has a perfect effect on the surgery of atlantoaxial dislocation complicated by dysplasia or comminuted fracture of the axial pedicle root.

Keywords: Axis; Atlanto-axial joint; Dislocation; Internal fixation; Laminar screw

收稿日期 2010-08-26 修回日期 网络版发布日期

DOI:

基金项目:

通讯作者: 李明(1956-), 教授, 主任医师, 博士生导师, 主要从事脊柱关节退变研究。 E-mail: lilyshanda88@hotmail.com

作者简介: 张元凯(1979-), 主治医师, 博士研究生, 主要从事骨科创伤研究。 E-mail: drzhangyk@163.com

作者Email:

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