

腮腺分泌管損傷之手術修復:個案報告及文獻回顧

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Surgical repair of parotid duct injury by using endotracheal cuff insufflation tube: Case report and review of literature

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Introduction:

Parotid duct can be damaged during traumatic or iatrogenic injuries. Early diagnosis and treatment are of great importance because late complications such as sialoceles and parotid gland fistula may be presented if the duct is not surgically repaired. In this article, we presented a case using endotracheal cuff insufflation tube as a temporary stent in ductal repair. The postoperative outcomes were satisfactory.

Case report:

A 63-year-old male suffered from multiple slashed wounds. There was a deep lacerated wound noted on his right face. Besides, there were other lacerated wounds over his trunk and limbs. Exploration of his right facial wound showed total transections of parotid duct, parotid parenchyma, buccal branch of facial nerve and masseter muscle. We used endotracheal tube cuff insufflation cannula as a temporary parotid duct stent and repaired the parotid duct with 9-0 nylon under microscopy. After the surgery, there was no seroma or fistula formation, and the drainage function of the stent was patent. We removed the stent on 4th-week after the operation. The patient was followed up for 3 months. Right lower facial movement improved gradually with mild mouth angle elevation weakness and his parotid salivation was patent.

Discussion:

In the literature, several materials such as epidural catheter, urethral catheter and double-J catheter have been described as an intraductal stent in repairing parotid duct surgery.

Here, we used endotracheal tube cuff insufflation cannula as a stent in ductal repair under microscopic surgery. Regarding to its suitable size, durability, readily availability and low-cost, it is ideal to use in the anastomosis of the parotid duct. We indwelled the intraductal stent for 4 weeks. The patient's salivary function was uneventful on 3rd-month post-operative follow-up.

Conclusion:

As for parotid duct injury, using endotracheal tube cuff insufflation cannula as a parotid duct stent while repairing under microscopy is a safe and effective method for ductal repair.