

AB092. Surgical techniques and experience sharing of replantation of complete penile fracture

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Abstract: Penile amputation is a kind of rare urological condition which was firstly described in 1929, the common etiologies include emotional and family dispute, self-mutilation, trauma, and so on. In the early stage, traditional surgery is the only way to accomplish the replantation for penile amputation, but in recent years, microscopic surgery became the main treatment. In this study, we reported two cases of penile amputation and microsurgical replantation performed in our hospital in August 2016. In the first case,

the patient was injured by sharp scissors due to family conflict, while in the second case, it was a mechanical injury. For both cases, the penile ischemia time exceeded 10 hours, and microsurgical approaches were adopted. After the microsurgical replantation, both the patients recovered well and showed normal urination, erectile function, return of sensations and satisfactory cosmetic appearance. With the development of microsurgical techniques, the successful re-anastomosis of blood vessel and nerve can increase the survival and functional recovery of the penis even in cases exceeding 10 hours of ischemia. This provides greater possibility of graft survival with minimum complication.

Keywords: Penile amputation; replantation for penile; penile fracture

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