Plication without degloving – Safe and effective approach for correcting lateral and dorsal penile curvature: Case series

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Abstract

Penile curvature deformities are often manageable with surgical reconstruction methods. We aimed to show the safety and efficacy of ventral and dorsal plication techniques without degloving in our two patients who have penile curvature. Two young adults, aged 20 and 23 years, presented to our clinic with lateral and dorsal penile curvatures. This problem has been sustaining since their teenage. Following the required preparations, two surgical techniques were used, namely Nesbit and Lue’s “16-dot” technique. Patients completed a satisfaction survey at a mean of 6 months later the surgery. Although both patients reported a subjective decrease in penile length, their satisfaction rate was high. Penile plication without degloving is a safe and effective technique for correcting dorsal and lateral penile curvatures.

Keywords: Degloving, Nesbit procedure, penile curvature, plication

INTRODUCTION

Surgical reconstruction by grafting or plication techniques is the most common treatment modality for penile curvatures. First, wedge resection technique was introduced by Nesbit, then 16-dot technique was introduced by Lue. These techniques are applied with degloving. Although this is the most common approach, there are always unlucky complication risks such as damages to neurovascular structures.

In this article, we aimed to show the safety and efficacy of ventral and dorsal plication techniques without degloving, in patients with penile curvature.

CASE REPORT

Our two cases that are 20- and 23-year-old young adults presented to our clinic with persistent lateral and dorsal penile curvatures. They had neither trauma, nor any other medical history. This problem has been sustaining since their teenage times.

For the first patient, Nesbit procedure was performed through a 2-cm longitudinal incision from the proximal to midpenile shaft on the aspect opposite to the deviation.
We performed two different techniques for our patients. Nesbit procedure was used for the first patient and Lue’s “16-dot” procedure was applied for the second patient. For both of them, degloving was not applied. The results were satisfactory, and no perioperative and postoperative complications were seen. Patients’ satisfaction survey was completed in the 6th postoperative month. Their sexual and urinary functions were healthy, and the satisfaction rates were high. Although both patients reported a decrease in penile length, it was not more than expected.

Plication without degloving is a safe and feasible surgical procedure for penile curvature.

Declaration of patient consent
The authors certify that they have obtained all appropriate patient consent forms. In the form the patient(s) has/have given his/her/their consent for his/her/their images and other clinical information to be reported in the journal. The patients understand that their names and initials will not be published and due efforts will be made to conceal their identity, but anonymity cannot be guaranteed.

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Conflicts of interest
There are no conflicts of interest.

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