

**TREATMENT OF EXTENSIVE BXO INVOLVING THE WHOLE PENDULOUS URETHRA WITH BILATERAL BUCCAL MUCOSA GRAFTS**Hypothesis / aims of study

Evaluation of treatment of BXO induced pan pendulous urethral stricture by bilateral buccal mucosa patch graft Study design,

Study design, materials and methods

Thirteen patients presenting with BXO involving the whole pendulous urethra has been treated by onlay buccal mucosa patch graft. The procedure starts with degloving the penis, exposure and dissection of the whole pendulous corpus urethra. Dorsal urethrotomy is performed on the roof the whole strictured segment is measured. Harvesting of the buccal mucosa is done from both cheeks and sometimes from the inner lip. Onlay application of the graft is performed. The fossa navicularis part is opened on the ventram and the roof is denuded and replaced by a separate buccal mucosa patch. The neomeatus is left hypospadiac till second stage

Results

None of the patients developed restenosis or stricture. No significant donor site complications occurred. Five patients did not want a second stage. The other 8 patients underwent second stage reconstruction of the fossa navicularis by simple Duplay closure in 3 patients and by onlay skin flap in five. Neither strictures nor fistulas complicated our patients

Interpretation of results

Harvesting buccal mucosa from both cheeks is feasible with excellent outcome.

Concluding message

Buccal mucosa onlay roofing is a good option for treating patients with BXO involving extensive segment of the urethra even the whole pendulous urethra

<b><i>Specify source of funding or grant</i></b>	<b>None</b>
<b><i>Is this a clinical trial?</i></b>	<b>No</b>
<b><i>What were the subjects in the study?</i></b>	<b>HUMAN</b>
<b><i>Was this study approved by an ethics committee?</i></b>	<b>Yes</b>
<b><i>Specify Name of Ethics Committee</i></b>	<b>ethical comitee of urology department ain shams university</b>
<b><i>Was the Declaration of Helsinki followed?</i></b>	<b>Yes</b>
<b><i>Was informed consent obtained from the patients?</i></b>	<b>Yes</b>