

An Updated History of Metoidioplasty Surgical Technique



2009

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INTRODUCTION

Metoidioplasty has been a cornerstone of gender-affirming care among transgender men. It involves creating a neophallus using a hypertrophied clitoris and constructing an extended urethra.

This study aims to present an updated history of the development of the metoidioplasty surgical technique.

METHODS

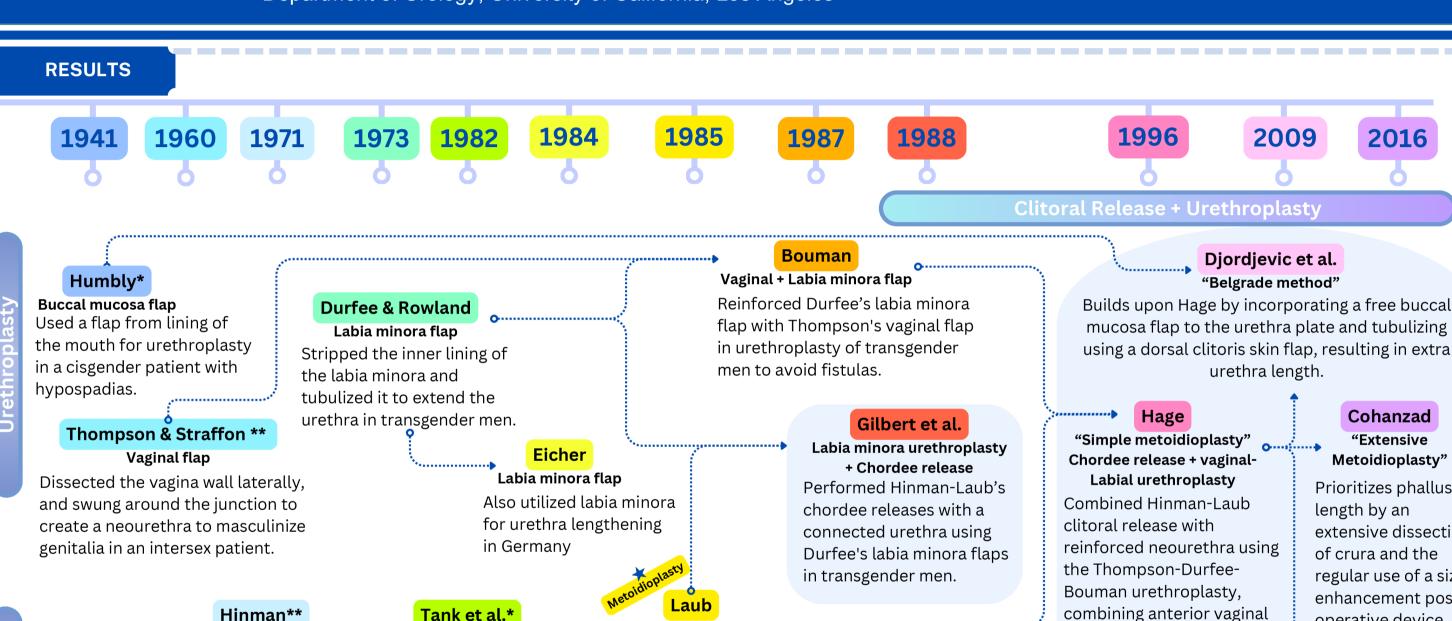
The methods involved a rigorous review of primary literature, tracing historical research and symposium notes, and monitoring reference lists to ensure thorough coverage of relevant studies.

CONCLUSION

The history of metoidioplasty reflects a mosaic of techniques originating from procedures on cisgender and intersex patients. These techniques have been adopted, refined, and combined over half a century to tailor to the needs of transgender individuals.

REFERENCES





Chordee release

Performed dissection of the suspensory ligaments and elongated the shaft in intersex infants with XY chromosomes lacking an exposed penile shaft.

Chordee release

Employed Hinman's technique in traumainduced phallus loss in cisgender boys and discussed its application in transgender men.

Chordee release + unconnected urethra

The first surgeon to perform the release technique on transgender men to create a phalluslike elongated clitoris. Laub coined "metoidioplasty", which means change toward male genitalia in Greek.

Labia minora

(used for penis skin)

Vagina

"Simple metoidioplasty" Chordee release + vaginal-Labial urethroplasty

Combined Hinman-Laub reinforced neourethra using the Thompson-Durfee-Bouman urethroplasty, combining anterior vaginal flap with labia minora flap.

Cohanzad

2016

"Extensive Metoidioplasty"

Prioritizes phallus length by an extensive dissection of crura and the regular use of a size enhancement postoperative device.

Takamatsu & Harashina "Labia Ring flap method"

For patients with less labia minora tissue, harvested distal urethra tissue by raising and tubularizing the inner lining of the labia minora. Proximal urethroplasty is performed similar to Hage.

*Cisgender **Intersex