



Laparoscopic ureteroplasty with buccal mucosa graft for long proximal ureteral stenosis: A step by step video

Conrado Menegola¹, Patric Machado Tavares¹, Nelson Sivonei Batezini¹, Antonio Rebello Horta Gorgen¹, Tiago Elias Rosito¹

¹ Departamento de Urologia, Hospital de Clínicas de Porto Alegre, Santa Cecília, Porto Alegre, RS, Brasil

ABSTRACT

Introduction: Strictures of the proximal ureter may occur from iatrogenic injury or impacted kidney stones. Many methods of surgical correction have been described, but the current treatment options can have significant morbidity associated with bowel substitution and vascular complications. Buccal mucosa grafting (BMG) has revolutionized the management of urethral strictures, but has not gained widespread use for ureteroplasties. Naude first described the use of BMG in the open repair of ureteral strictures, but only recently new techniques with minimally invasive approaches are being described.

Objective: To show in this video the step-by-step of a laparoscopic inlay ureteroplasty with buccal mucosa grafting of a 75-year-old male with a long left proximal ureteral stricture secondary to previous ureteroscopies.

Patient and Methods: A healthy 75-year-old male with history of two previous ureteroscopies for impacted left proximal ureteral stones, presented with left lumbar pain. Urinary ultrasound and computed tomography showed left hydronephrosis. Pyelography revealed a long left proximal ureteral stenosis. The patient was submitted to a laparoscopic ureteroplasty with BMG after incision of the anterior aspect of the stenotic ureteral segment. The surgery was 120 minutes long, with no complications. The patient was discharged on second post-operative day and the ureteral stent was removed after 4 weeks, with a clinical and radiological success.

Conclusion: This technique is an excellent option that has been described recently, with low morbidity and good results. It offers the possibility of resolving long proximal ureteral strictures precluding the need for more extensive and morbid surgeries.

CONFLICT OF INTEREST

None declared.

ARTICLE INFO

 **Conrado Menegola**

<http://orcid.org/0000-0001-7332-0281>

Available at: http://www.int brazjurol.com.br/video-section/20180830_Menegola_et_al

Int Braz J Urol. 2020; 46 (Video #4): 141-142

Submitted for publication:
December 27, 2018

Accepted after revision:
May 31, 2019

Published as Ahead of Print:
August 10, 2019

Correspondence address:

Conrado Menegola, MD
Departamento Urologia,
Hospital de Clinicas de Porto Alegre
Rua Ramiro Barcelos, 2350, Santa Cecilia,
Porto Alegre, RS, 90035-903, Brasil
E-mail: conradomenegola@gmail.com