

Henry Ford Health

## Henry Ford Health Scholarly Commons

---

Surgery Articles

Surgery

---

9-2021

### Robot-assisted Transplant Ureteral Repair after Robot-assisted Kidney Transplant

Tayseer Shamaa

Henry Ford Health, tshamaa1@hfhs.org

Atsushi Yoshida

Henry Ford Health, AYOSHID1@hfhs.org

Alex Borchert

Henry Ford Health, aborche1@hfhs.org

Tracci McEvoy

Henry Ford Health, TMCEVOY1@hfhs.org

Wooju Jeong

Henry Ford Health, WJEONG1@hfhs.org

*See next page for additional authors*

Follow this and additional works at: [https://scholarlycommons.henryford.com/surgery\\_articles](https://scholarlycommons.henryford.com/surgery_articles)

---

#### Recommended Citation

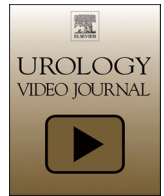
Shamaa T, Yoshida A, Borchert A, McEvoy T, Jeong W, and Malinzak L. Robot-assisted Transplant Ureteral Repair after Robot-assisted Kidney Transplant. *Urology Video Journal* 2021; 11.

This Article is brought to you for free and open access by the Surgery at Henry Ford Health Scholarly Commons. It has been accepted for inclusion in Surgery Articles by an authorized administrator of Henry Ford Health Scholarly Commons.

---

**Authors**

Tayseer Shamaa, Atsushi Yoshida, Alex Borchert, Tracci McEvoy, Wooju Jeong, and Lauren Malinzak



## Robot-assisted Transplant Ureteral Repair after Robot-assisted Kidney Transplant

Tayseer Shamaa, MBBS<sup>\*</sup>, Atsushi Yoshida, MD, Alex Borchert, Tracci McEvoy, Wooju Jeong, Lauren Malinzak, MD

Henry Ford Hospital, Detroit, MI, United states

### ARTICLE INFO

#### Keywords:

Transplant ureter stricture  
Robot assisted transplant ureter repair  
Robot assisted kidney transplant  
Kidney transplant  
Case series

### ABSTRACT

**Objective:** To use a video to describe steps of robotic-assisted transplant ureteral repair (RATUR) for treating transplant ureteral stricture (TUS) in a patient who had undergone robot assisted kidney transplant (RAKT).

**Method:** We recorded and edited the operation of a patient who experienced TUS by distal obstruction due to a calcification after RAKT and underwent RATUR in 2020.

**Results:** We present a case of a 65-year-old male who developed graft dysfunction. He was found to have a short intrinsic obstruction of the distal transplant ureter due to a calcification that formed around the suture line at the ureteroneocystostomy. The video covers the steps of the operation which include positioning, placement of the ports, orientation, dissection of the paravesicle space, identification and dissection of the ureter, stent placement, reconstruction and post-operative course. We try to include tips and tricks that could be useful in other similar robotic cases.

**Conclusion:** Open surgical repair of the transplant ureter is the standard of care for transplant ureteral stenosis. However, it requires the morbidity of a large surgical incision. Robotic assisted transplant ureteral repair can be done successfully while limiting convalescence from an open reoperation.

The video related to this article can be found online at: [doi:10.1016/j.urolvj.2021.100099](https://doi.org/10.1016/j.urolvj.2021.100099).

interests or personal relationships that could have appeared to influence the work reported in this paper.

### Declaration of Competing Interest

The authors declare that they have no known competing financial

<sup>\*</sup> Corresponding author.

<https://doi.org/10.1016/j.urolvj.2021.100099>

Received 21 June 2021; Accepted 30 June 2021

Available online 7 July 2021

2590-0897/© 2021 The Authors.

Published by Elsevier Inc.

This is an open access article under the CC BY-NC-ND license

(<http://creativecommons.org/licenses/by-nc-nd/4.0/>).