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Evolution of the Robotic Orthotopic Ileal Neobladder Formation: A Step by Step Update to The USC Technique.

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Abstract

OBJECTIVE: To describe, step-by-step, our updated, time-efficient technique for intracorporeal neobladder formation.

PATIENTS AND METHODS: There are five main surgical steps to forming the intracorporeal orthotopic ileal neobladder: isolation of the small bowel intestine; small bowel anastomosis; bowel detubularization and suture of the posterior wall of the neobladder; neobladder-urethral anastomosis and folding the pouch; and ureteral-chimney anastomosis. Improvements have been made during these steps to improve time efficiency without compromising neobladder formation.

RESULTS: A total of 65 cm of small intestinal bowel is removed for neobladder formation. Our technical improvements have demonstrated an improvement in operative time from 450 minutes to 360 minutes.

CONCLUSION: We describe an updated step-by-step technique to our institution's robotic intracorporeal orthotopic ileal neobladder formation using a time-efficient technique. This article is protected by copyright. All rights reserved.

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KEYWORDS: intracorporeal; orthotopic ileal neobladder; robotic-assisted radical cystectomy; urinary diversion

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