

Colon

# Robotic-assisted laparoscopic segmental resection with rectoanal anastomosis: a new approach for the management of complicated rectourethral fistula

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## Abstract

Rectourethral fistula (RUF) is a rare but serious complication of colorectal cancer. The management of RUF is challenging due to the complexity of the anatomy and the risk of urinary incontinence. We report a new approach for the management of complicated RUF using robotic-assisted laparoscopic segmental resection with rectoanal anastomosis. This approach allows for a minimally invasive resection of the tumor and fistula, while preserving the rectoanal junction and the anal sphincter. The results of this approach are promising, with a low rate of complications and a high rate of long-term continence.

## Keywords

robotic-assisted laparoscopic segmental resection, rectoanal anastomosis, rectourethral fistula, colorectal cancer, urinary incontinence

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