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## ASO Visual Abstract

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# ASO Visual Abstract: Improved Postoperative Outcomes After Prehabilitation for Colorectal Cancer Surgery in Older Patients: An Emulated Target Trial 

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This study (https://doi.org/10.1245/s10434-022-126239) aimed to assess the effect of a multimodal prehabilitation program on perioperative outcomes in colorectal
cancer patients using an emulated target trial design. The study identified potential benefits of prehabilitation in daily clinical practice.

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## Improved Postoperative Outcomes After Prehabilitation for Colorectal Cancer Surgery in Older Patients

Research question:
What is the effect of a multimodal prehabilitation program on perioperative outcomes in higher risk colorectal cancer patients?


Emulated target trial design:
Using observational real-world data to mimic a RCT
as close as possible
Usual preoperative care vs. usual preoperative care + prehabilitation

## Inclusion:

$\checkmark$ Multidisciplinary team consultation before colorectal cancer surgery (2016-2021)
$\checkmark$ Age $\geq 65$ years and or ASA score III/IV

## Results:

251 patients included: median age 73 years, $40 \%$ ASA III/IV
$>$ Number Needed to Treat to reduce 1 perioperative complication: 4
> Postoperative comprehensive complication score: 55\% lower
$>$ Length of stay: 2 days shorter

## Conclusion:



The study methodology used may serve as an example for further larger multicenter comparative effectiveness research on prehabilitation.

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