

# Colon cancer chemo could be halved after surgery

March 29 2018

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Credit: Cancer Research UK

Chemotherapy courses after surgery could be cut in half for some colon cancer patients, according to a new global study.

Patients with [colon cancer](#) that has spread to the lymph nodes (stage 3) usually get six months of chemotherapy after [surgery](#).

But researchers found that shortening [treatment](#) to three months did not affect the chance of [cancer](#) returning for many [patients](#). The shorter treatment time also significantly reduced side effects.

## **Reducing side effects**

Chemotherapy after surgery can help stop colon cancer returning, but it "comes at a price," said Professor Matthew Seymour, a Cancer Research UK-funded gastrointestinal cancer expert. "It's a tough treatment to go through and leaves a significant number of patients with nerve damage," he added. This damage can cause persistent pain, numbness or tingling in people's fingers and toes.

"Thanks to this research, we can now confidently offer patients a shorter course of chemotherapy, which will greatly reduce the side effects of the treatment," said Seymour.

The study involved 12,834 patients in 12 countries and was published in the *New England Journal of Medicine* .

"This study has shown that when there's a really important question that matters to patients it's possible to get clinicians from around the world to come together and answer it," said Seymour. "It's a huge achievement."

## **Personalising treatment**

Patients in the trial had either three or six months of chemotherapy after surgery to remove their cancer.

Researchers found that while a three-month course worked for many patients, those who were deemed at a higher risk of their cancer coming back benefitted more from the standard, six-month course. The risk of the disease returning was assessed by examining how deep the tumour

was in the colon wall and how many lymph nodes the cancer had spread to.

Dr. Jeffery Mayerhardt, from Harvard Medical School in the US and who was involved in the study, said the results show there isn't a "one size fits all answer" for [chemotherapy](#) after surgery. "Personalisation based on the cancer characterisation and treatment choice is important," he added.

**More information:** Duration of Adjuvant Chemotherapy for Stage III Colon Cancer. *N Engl J Med.* [DOI: 10.1056/NEJMoa1713709](https://doi.org/10.1056/NEJMoa1713709)

Provided by Cancer Research UK

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