

**Name of Journal:** *World Journal of Gastroenterology*

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**Manuscript Type:** REVIEW

**Intraoperative use of Indocyanine Green (ICG) Fluorescence Imaging in Rectal Cancer Surgery: the state of the art.**

Peltrini R *et al.* ICG and rectal cancer surgery

Roberto Peltrini, Mauro Podda, Simone Castiglioni, Maria Michela Di Nuzzo, Michele D'Ambra, Ruggero Lionetti, Maurizio Sodo, Gaetano Luglio, Felice Mucilli, Salomone Di Saverio, Umberto Bracale, Francesco Corcione

### Match Overview

1	<b>Crossref</b> 116 words Hiro Hasegawa, Yuichiro Tsukada, Masashi Wakabayashi, Shogo Nomura et al. "Impact of intraoperative indocyanine green fluorescence imaging in rectal cancer surgery: a retrospective analysis of 100 cases"	3%
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## Intraoperative use of fluorescence with indocyanine green ...

<https://pubmed.ncbi.nlm.nih.gov/32556696>

Background: **Fluorescence imaging** by means of **Indocyanine green** (ICG) has been applied to intraoperatively determine the perfusion of the anastomosis. The purpose of this Individual Participant Database meta-analysis was to assess the effectiveness in decreasing the incidence of anastomotic leak (AL) after **rectal cancer surgery**.

**Cited by:** 20

**Author:** Alberto Arezzo, Marco Augusto Bonino, Fré...

**Publish Year:** 2020

## Indocyanine green fluorescence imaging in colorectal ...

<https://www.sciencedirect.com/science/article/pii/S2468125317302169>

Oct 01, 2017 · **Indocyanine green fluorescence imaging** had been used in the field of hepatobiliary surgery for **intraoperative** identification of the bile ducts and hepatic tumours for several decades before its application in colorectal perfusion assessment.<sup>87, 88, 89</sup> This imaging modality is emerging as a navigation tool for resection of metastatic hepatic tumours in laparoscopic hepatectomy.

**Cited by:** 66

**Author:** Deborah S Keller, Deborah S Keller, Takeaki ...

**Publish Year:** 2017

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Why is indocyanine green fluorescent imaging used in surgery? ▾

When to use indocyanine green before colectomy? ▾

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When was indocyanine green ( ICG ) dye first used? ▾

Feedback

## Intraoperative use of fluorescence with indocyanine green ...

<https://link.springer.com/article/10.1007/s00464-020-07735-w> ▾

Jun 18, 2020 · Background **Fluorescence imaging** by means of **Indocyanine green** (ICG) has been applied