

<b>Paper Category:</b>	Surgery and Perioperative medicine
<b>Paper Title:</b> (Arial Font; 14 Pt Size)	<b>Preoperative frailty and one-year functional recovery in elderly patients undergoing elective colorectal surgery</b>
<b>Abstract Body:</b> (Arial Font; 12Pt Size)	<ul style="list-style-type: none"> <li>• Background</li> <li>• Objectives</li> <li>• Method</li> <li>• Results</li> <li>• Discussions and Conclusions</li> </ul>
<p>(Maximum word limit - 300 words)</p> <p><b>Background</b> Prevalence of frailty, which is associated with aging, is also increasing in the surgical population. Frailty is known to be associated with higher complication rates and mortality rates, but little is known with regards on its associations with functional recovery beyond the peri-operative period.</p> <p><b>Objectives</b> To explore the association between frailty and functional recovery over a 12-month period for patients undergoing elective colorectal surgery.</p> <p><b>Method</b> This was a retrospective cohort study which included 116 patients who were 65 years and older who underwent elective colorectal surgery from May 2018 to January 2022 in Khoo Teck Puat Hospital. Premorbid and peri-operative characteristics as well as functional outcomes were collected at 2 weeks, 6 months and 12 months post operation.</p> <p><b>Results</b> Mean age was 77 years (Age range 65 to 97 years old), with 62.1% of patients being categorized as frail using modified Fried Index (mFI), and 21.6% as frail using Clinical Frailty Score (CFS).</p> <p>Frailty identified using mFI was associated with higher odds of functional decline at 6 months (OR 5.665 [95% CI, 2.203 to 14.569]; P = .001), but not at 2 weeks or 1 year post operation. Patients with higher mFI scores had increased odds of functional decline at 2 weeks (OR 1.672 [95% CI, 1.141 to 2.449]; P = .008) and 6 months (OR 2.424 [95% CI, 1.558 to 3.776]; P = .001).</p> <p>Frailty identified by CFS was associated with increase odds of functional decline at 6 months (OR 7.287 [95% CI, 2.592 to 20.488]; P = .001), and 1 year (OR 3.793 [95% CI, 1.236 to 11.636]; P = .02).</p> <p><b>Conclusion</b> Frailty is associated with functional decline at 12 months after elective colorectal surgery. The use of different frailty assessment tools may help to identify patients at risk of functional decline at different time points.</p>	

Date of Submission: 15/8/23

Total number of words: 299

**Please submit the completed abstract form by 2 August 2023 via the online submission portal at (<https://sgms.org.sg/abstract-submission/>.)**

**Instructions**

1. **The names of the author and co-authors must not be identifiable on this form.**
2. Abstract body should not exceed 300 words.
3. Abstract title to be in Arial Font & Bold 14Pt and abstract body to be in Arial Font & 12Pt.
4. The use of standard abbreviations is acceptable. Place special or unusual abbreviations in brackets after the full word the first time it appears.
5. The use of tables, graphs, and other types of images in abstracts is not permitted.
6. Please submit this form in PDF format.
7. Only abstracts submitted via the online submission portal will be accepted.