

Surgery guided by ICG (Indocyanine green) enhanced fluorescence

Clinical question, PICOS and Search Strategy

Setting: BARIATRIC SURGERY

Clinical question: **Would indocyanine green - enhanced fluorescence surgery, rather than surgery without fluorescence - improve the outcome of patients after BARIATRIC SURGERY?**

P = Population or Patient group: patients who underwent standard, laparoscopic or robotic **BARIATRIC SURGERY**

I= Intervention: surgical procedure (standard, laparoscopic, robotic) with fluorescent properties of indocyanine green (ICG)

C= Comparator: surgical procedure (standard, laparoscopic, robotic) without fluorescent properties of indocyanine green (ICG)

O = Outcomes: mortality, morbidity, operating time, re-operation, re-admission

S = Study design

- Primary research: randomised controlled trials (RCTs), controlled cohort studies, case control studies
- Secondary research: systematic reviews and meta analysis

Keyword A	Bariatric surgery				
Keyword B	Fluorescence				
Keyword C	Green Indocyanine				
Keyword C	Outcome				
Search strategy	Bariatric surgery	AND	Fluorescence	AND	Green Indocyanine
AND	Outcome	AND	Morbidity		Mortality

Search methods for identification of studies: all sources searched, including: databases, trials registers, websites and grey literature; all types of studies included: case series, clinical trials, review and meta-analysis

Search strategy Pubmed

((("bariatric surgery"[MeSH Terms] OR ("bariatric"[All Fields] AND "surgery"[All Fields]) OR "bariatric surgery"[All Fields])) AND (((("Indocyanine Green"[Mesh] OR "Fluorescent Dyes"[Mesh] OR "indocyanine green" OR wofaverdin OR vophaverdin OR fluorescen* OR cw800*)) OR ("near infrared fluorescence" OR "near infrared fluoresce imaging"))))))))

Search strategy Embase

((bariatric surgery/ or bariatric surgery.af.) or (bariatric.af. and surgery.af.)) and (indocyanine green/ or fluorescent dye/ or indocyanine green.af. or wofaverdin.af. or "fluorescen*".af. or "CW800*".af. or near infrared fluorescence.af.)