

Surgery guided by indocyanine green enhanced fluorescence

Clinical question, PICOS and Search Strategy GYNECOLOGIC SURGERY

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

P = Population or Patient group: patients who underwent standard, laparoscopic or robotic GYNECOLOGIC 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	Indocyanine green				
Keyword B	fluorescent dyes				
Keyword C	near infreared fluorescence				
Keyword C	gynecologic surgical procedures				
Search strategy	Indocyanine green	OR	near infreared fluorescence	OR	fluorescent dyes
AND	gynecologic surgical procedures	OR	Endometrial cancer, uterine cancer, ovarian cancer		

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

English language only

Pubmed

(((((("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")))) AND (("Gynecologic Surgical Procedures"[Mesh]) OR ("endometrial cancer" OR "uterine cancer" OR "endometriosis" OR "ovariectomy" OR "hysterectomy" OR "sentinel lymph node"))

Embase

('indocyanine green'/exp OR 'fluorescent dyes'/exp OR 'indocyanine green' OR wofaverdin OR vophaverdin OR fluorescein* OR cw800* OR 'near infrared fluorescence' OR 'near infrared fluorescence imaging') AND ('gynecologic surgical procedures'/exp OR 'endometrial cancer' OR 'uterine cancer' OR 'endometriosis' OR 'ovariectomy' OR 'hysterectomy' OR 'sentinel lymph node')