

## SUPPLEMENTARY MATERIAL

**Table S1 Description of all variables included in the development of the Early ColoRectAL Leakage score, termed as E-CRALL**

Variable	Description
Patient characteristics	
Male	= 1 if the patient is male, 0 otherwise
Age	Age of the patient
BMI	Body mass index
CCI	Charlson Comorbidity Index score
ASA	= 1 ASA score is III or IV; 0 otherwise
Intra-operative	
Type of surgery	= 1 if elective, 0 otherwise
Surgical approach	= 1 if open; 0 otherwise
Level of anastomosis: ileocolic	= 1 if ileocolic; 0 otherwise
Level of anastomosis: colocolic	= 1 if colocolic; 0 otherwise
Level of anastomosis: medium rectum	= 1 if $\geq 6$ cm of anal verge; 0 otherwise
Level of anastomosis: low rectum	= 1 if $< 6$ cm of anal verge; 0 otherwise
Blood loss	Blood volume (in mL)
Intraoperative complications	= 1 if present; = 0 if absent
Length of procedure	Operative time (in min)
Post-operative	
Abdominal pain: absent/low	= 1 if absent/low; 0 otherwise
Abdominal pain: at wound	= 1 if at wound; 0 otherwise
Abdominal pain: localized	= 1 if localized; 0 otherwise
Abdominal pain: diffuse	= 1 if diffuse; 0 otherwise
Clinical condition	= 1 if deteriorated; 0 otherwise

ECC	Plasmatic level of ECC (cell/ $\mu$ L) from POD 3 to 5
CRP	Plasmatic level of CRP (mg/L) from POD 3 to 5
CLP	Plasmatic level of CLP ( $\mu$ g/mL) from POD 3 to 5
WBC	Plasmatic level of WBC (g/L) from POD 3 to 5
PCT	Plasmatic level of PCT (ng/mL) from POD 3 to 5

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ASA: American Society of Anesthesiologists; CRP: C-Reactive protein; CLP: Calprotectin; ECC: Eosinophil cell count; PCT: Procalcitonin; POD: Post-operative day; WBC: White blood cell count.