

## SUPPLEMENTARY MATERIAL

Supplementary table 1. Grouping of categorical variables for analysis.

Variable	Group	Original values	
ASA	1	1	
	2	2	
	3	3	
	4 & 5	4	
		5	
Peritoneal contamination type	None / minimal	None / serous	
		Gas / minimal	
	Significant	Pus	
		Bile	
		Gastro-duodenal contents	
		Small bowel contents	
		Faeculent fluid	
		Faeces	
		Blood	
		None	
Peritoneal contamination extent	None / single quadrant	Single quadrant	
	Multiple quadrants	Multiple quadrants	
Preoperative CT	No / missing	No	
		Missing	
Senior operating surgeon grade	Yes	Yes	
	Consultant	Consultant	
		Post CCT fellow	
		Specialty trainee	
		SAS doctor	
Non-consultant	Research/clinical fellow		
	Core trainee		
	Other		
	Operative approach	Open	Open
		Minimal access	Laparoscopic converted
Laparoscopic			
Laparoscopic assisted			
Postoperative care level	Ward	Ward	
	HDU or ITU	Level 2	
		Level 3	

ASA – American Society of Anesthesiology score; CT – computed tomography scan; CCT – certificate

of completion of training; SAS – specialty and associate specialist doctors.

Supplementary table 2. Relationships between independent variables and mortality.

Variable	Modelling function
Age	Linear
Preoperative HR	Linear
Preoperative SBP	2-term square and cube polynomial
Time admission to decision to operate	Linear

HR – heart rate; SBP – systolic blood pressure.