Supplementary Table III: Univariate and multivariate analysis for patients' characteristics and risk factors for surgical site infections (SSI) at Tata Memorial Hospital, Mumbai

Characteristic	Total no. of patients (n = 549)	No. of patients with SSI (n = 74)	Incidence of SSI (95% CI)	Univariate analysis odds ratio (95% CI)	P value*	Multivariate analysis odds ratio (95% CI)	P value based on likelihood ratio
Gender					0.4		0.4
Female	179	21	12 (7.6-18)	1			
Male	370	53	14 (11-18)	1.3 (0.7-2.2)			
Age groups (yr)					0.009		0.009
10-29	130	9	6.9 (3.4-13)	1			
30-49	212	25	12 (7.9-17)	1.8 (0.8-4.2)		2.5 (1.1-5.9)	
50-69	180	35	19 (14-26)	3.3 (1.6-7.4)		5 (2.1-12.1)	
≥ 70	27	5	19 (7-39)	3.1 (0.9-9.8)		5.7 (1.6-20.6)	
Duration of surgery (min)					0.006		0.006
<60	32	1	3.1 (0.2-18)	1			
60-120	37	1	2.7 (0.1-16)	0.9 (0-22.4)			
>120	480	72	15 (12-19)	5.5 (1.2-98.1)			
Wound class					0.824		0.754
Clean	194	25	13 (8.7-19)	1			
Clean contaminated	354	49	14 (11-18)	1.1 (0.7-1.8)			
Contaminated	1	0	0 (0-95)				
Surgeons' grade					<0.001		<0.001
Consultant	210	12	5.7 (3.1-10)	1			
Resident	334	60	18 (14-23)	3.6 (2-7.2)			
ASA class					0.107		0.552
Class I	349	46	13 (9.9-17)	1			
Class II	186	28	15 (10-21)	1.2 (0.7-1.9)			
Class III, IV & V	14	0	0 (0-27)				
SSI risk index					<0.001		<0.001
0	145	6	4.1 (1.7-9.2)	1			
1	394	68	17 (14-21)	4.8 (2.2-12.7)		5.2 (2.2-12.5)	
2	10	0	0 (0-34)				
Surveillance period					0.686		0.686
May 2018 - Jan 2019	15	3	20 (5.3-49)	1			
Feb 2019 - Oct 2019	382	49	13 (9.7-17)	0.6 (0.2-2.7)			
Jan 2020 - July 2020	152	22	14 (9.5-21)	0.7 (0.2-3.1)			
Surgical procedures							
Amputation	1	0	0 (0-95)		0.59		.
Cholecystectomy	1	1	100 (5.5-100)				
CRIF	0	0					
Debridement	0	0					
Gastrojejunostomy	1	1	100 (5.5-100)				
Laparotomy without bowel injury	0	0					
ORIF	0	0					

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Characteristic	Total no. of patients (n = 549)	No. of patients with SSI (n = 74)	Incidence of SSI (95% CI)	Univariate analysis odds ratio (95% CI)	P value*	Multivariate analysis odds ratio (95% CI)	P value based on likelihood ratio
Abdominal	12	1	8.3 (0.4-40)	0.6 (0-3)	0.574		0.574
Head & Neck	349	49	14 (11-18)	1.1 (0.7-1.9)	0.609		0.609
Lower limb	148	20	14 (8.6-20)	1 (0.6-1.7)	0.989	1.8 (0.9-3.5)	0.988
Spinal	6	0	0 (0-48)		0.186		.
Upper limb	17	1	5.9 (0.3-31)	0.4 (0-2)	0.303		0.303

Note: OR (95% CI), odds ratio with 95% confidence interval.
*Univariate Logistic Regression