

Table 2 Analysis of the factors associated with intestinal stoma complications

Characteristic	Chi square test		Frequency (%)	Bivariate analysis		Multivariate analysis	
	Presence--of complications			Crude OR	P-value	Adjusted-OR (95% CI)	p-value
	Yes	No					
Age at stoma placement			0..007				
0-1 month	34(50.8)	33(49.3)	67 (51.2)	1		1	
1-12 months	34(73.9)	12(26.1)	46 (35.1)	2.8	0.015	2 (0.56-6.93)	0.292
>12	15(83.3)	13(16.7)	18 (13.8)	4.9	0.02	10.7(1.47-17.62)	0.019
Sex			0.785				
Male	47(64.4)	26(35.6)	73 (55.7)	1		1	
Female	36(62.1)	22(37.9)	58 (44.3)	0.9	0.785	1(0.37-2.93)	0.939
Residence			0.801				
Nearby	45(64.3)	25(35.7)	70 (53.4)	1			
Surrounding districts	11(68.8)	5(31.3)	16 (12.2)	1.2	0.736	0.9 (0.23-3.75)	0.909
Far districts	27(60.0)	18(40.0)	45 (34.4)	0.8	0.643	0.7(0.24-1.89)	0.454
Attendant relationship			0.247				
Mother	80(64.5)	44(35.5)	124 (94.7)	1		1	
Others	3(42.9)	4(57.1)	7 (5.3)	0.4	0.26	0.37(0.05-2.77)	0.333
Education of the care taker			0.037				
Primary	50(73.5)	18(26.5)	68 (51.9)	1		1	
Secondary	27(50.9)	26(49.1)	53 (40.5)	0.4	0.011	0.4(0.15-1.1)	0.077
Tertiary	6(60)	4(40)	10 (7.6)	0.5	0.38	0.9(0.16-5.6)	0.946
Monthly income			0.007				
0-500,000/=UGX	73(68.9)	33(31.1)	106 (80.9)	1		1	
>500,000/=UGX	10(40)	15(60)	25 (19.1)	0.3	0.009	0.5 (0.15-1.61)	0.246
Stoma indication			0.169				
Anorectal malformation	44(57.1)	33(42.9)	77 (58.8)	1		1	
Hirschsprungs disease	16(64)	9(36)	25 (19.1)	1.3	0.546	1.06(0.28-4)	0.934
Intussusception	16(84.2)	3(15.8)	19 (14.5)	4	0.039	0.03(0-1.26)	0.066
Intestinal obstruction or perforation	7(70)	3(30)	10 (7.6)	1.8	0.442	0.08(0-2.36)	0.142
Exteriorised part			0.002				
Ileostomy	24(88.9)	3(11.1)	27 (20.6)	1		1	

Colostomy	59(56.7)	45(43.3)	104 (79.4)	0.2	0.005	0.02 (0-0.66)	0.028
Theatre used			0.825				
Casualty	31(64.6)	17(35.4)	48 (36.6)	1			
Main	52(62.7)	31(37.4)	83 (63.4)	0.9	0.825		
Cadre of the surgeon			0.894				
Resident	54(62.8)	32(37.2)	86 (65.7)	1			
Fellow	25(65.8)	13(34.2)	38 (29)	1.1	0.749	0.6(0.19-1.73)	0.327
Surgeon	4(57.1)	3(42.9)	7 (5.3)	0.8	0.767	0.3(0.02-5.05)	0.44
Stoma duration			0.103				
1-6months	35(77.8)	10(22.2)	45 (34.4)	1			
6-12months	22(55)	18(45)	40 (30.5)	0.3	0.028	0.3 (0.1-1.16)	0.085
12-36months	23(56.1)	18(43.9)	42 (31.3)	0.4	0.035	0.4(0.11-1.16)	0.088
>36months	3(60)	2(40)	5 (3.8)	0.4	0.388	0.5(0.05-5)	0.542
Type of stoma			0.278				
Divided	81(62.8)	48(37.2)					
End	2(100)	0(0)					