

WIKINGO Project Systematic Analysis

Tables & Figures.

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Table 1: Participant characteristics

	[ALL] N=241	N
Age	68.9 (11.4)	241
Sex: Men	164 (68.0%)	241
Tumor level:		241
0-6cm	95 (39.4%)	
7-12cm	123 (51.0%)	
13-15cm	23 (9.54%)	
Tumor stage:		241
0	36 (14.9%)	
I	55 (22.8%)	
II	74 (30.7%)	
III	76 (31.5%)	
Neoadjuvant treatment	139 (57.7%)	241
Type of resection:		241
Abdominoperineal resection	71 (29.5%)	
Anterior resection	123 (51.0%)	
Hartmann	47 (19.5%)	
Perforation	12 (4.98%)	241
Invasion circumferential margin	15 (6.22%)	241
Mesorecto quality:		239
Satisfactory	192 (80.3%)	
Partial	35 (14.6%)	
No-satisfactory	12 (5.02%)	
Recidive	8 (3.32%)	241
Months to recidive	12.0 [2.00;28.0]	241
Metastasis	27 (11.2%)	241
Months to Metastasis	11.0 [2.00;24.0]	241
Exitus	32 (13.3%)	241
Months to exitus	13.0 [2.00;28.0]	241

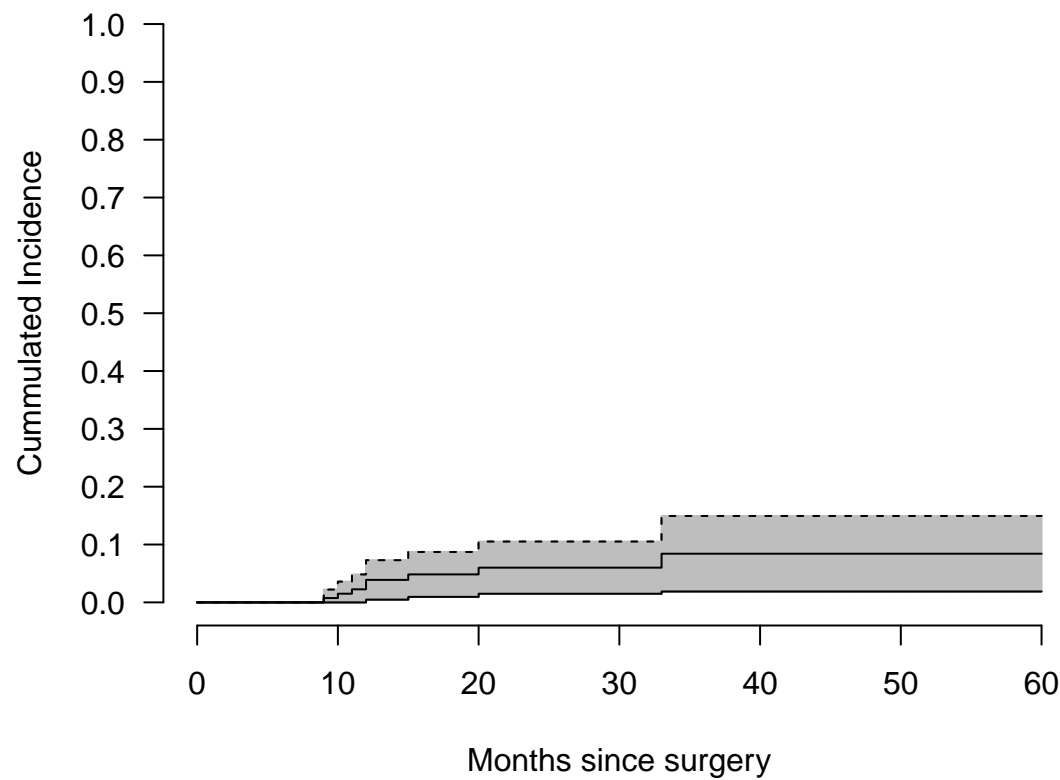
Table 2: According to Local Recurrence

	No event n= 233	Event n= 8	Crude HR	p-value	Multivariate HR	p-value
Age (10y)	6.91 (1.13)	6.25 (1.36)	0.67 [0.37;1.21]	0.188	0.84 [0.40; 1.78]	0.654
Sex: Men	157 (67.4%)	7 (87.5%)	3.72 [0.46;30.2]	0.219	2.80 [0.28;28.21]	0.381
Tumor level:						
0-6cm	91 (39.1%)	4 (50.0%)	31725719 [0.00;.]	0.998	0.61 [0.00; Inf]	1
7-12cm	119 (51.1%)	4 (50.0%)	22999647 [0.00;.]	0.998	110634698.24 [0.00; Inf]	0.999
Tumor stage:						
0	36 (15.5%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	0.999
II	70 (30.0%)	4 (50.0%)	2.59 [0.29;23.1]	0.396	1.42 [0.12;17.32]	0.783
III	73 (31.3%)	3 (37.5%)	1.94 [0.20;18.7]	0.565	1.19 [0.10;14.47]	0.891
Neoadjuvant treatment	133 (57.1%)	6 (75.0%)	2.16 [0.44;10.7]	0.347	1.76 [0.24;12.69]	0.574
Type of resection:						
Abdominoperineal resection	67 (28.8%)	4 (50.0%)	3.45 [0.63;18.9]	0.153	469273940.24 [0.00; Inf]	0.999
Hartmann	45 (19.3%)	2 (25.0%)	2.68 [0.38;19.1]	0.325	3.56 [0.38;33.46]	0.266
Perforation	10 (4.29%)	2 (25.0%)	6.81 [1.36;34.2]	0.020	4.21 [0.45;39.67]	0.209
Invasion circumferential margin	15 (6.44%)	0 (0.00%)	0.00 [0.00;.]	0.999	0.00 [0.00; Inf]	0.999
Mesorrecto quality:						
Partial	35 (15.2%)	0 (0.00%)	0.00 [0.00;.]	0.999	0.00 [0.00; Inf]	0.999
No-satisfactory	10 (4.33%)	2 (25.0%)	7.35 [1.48;36.6]	0.015	2.94 [0.24;35.75]	0.397

Reference categories:

- Age, a decade
- Sex, Women
- Tumor level, 13-15cm
- Tumor stage: 1
- Neoadjuvant treatment, No
- Type of resection, Anterior resection
- Perforation, No
- Invasion circumferential margin, No
- Mesorrecto Quality, Satisfactory

Figure 1: Local Recurrence



Months	0	12	24	36	48	60
N:	241	117	63	35	24	7

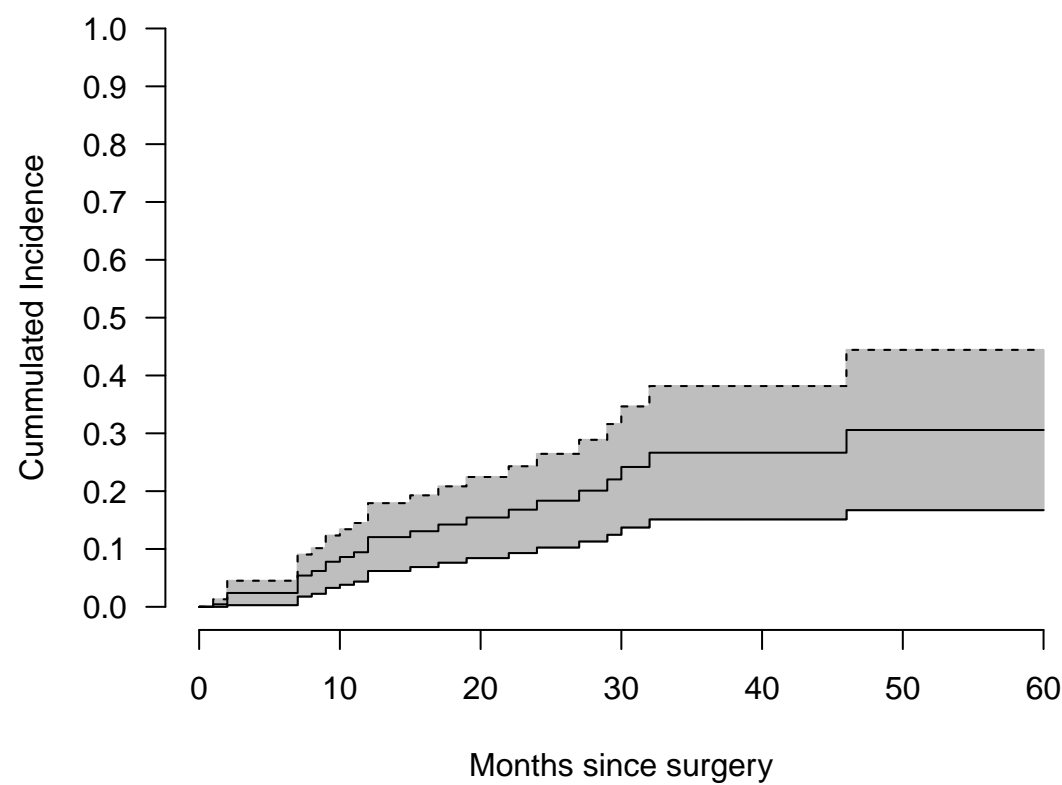
Table 3: According to Metastasis

	No event n= 214	Event n= 27	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.93 (1.12)	6.60 (1.33)	0.85 [0.62;1.17]	0.318	0.99 [0.69; 1.41]	0.937	241
Sex: Men	144 (67.3%)	20 (74.1%)	1.50 [0.64;3.56]	0.353	1.21 [0.48; 3.04]	0.684	241
Tumor level:							241
0-6cm	87 (40.7%)	8 (29.6%)	1.12 [0.14;8.96]	0.916	0.61 [0.04;10.25]	0.73	
7-12cm	105 (49.1%)	18 (66.7%)	2.00 [0.27;15.0]	0.501	1.53 [0.14;16.78]	0.728	
Tumor stage:							241
0	33 (15.4%)	3 (11.1%)	1.07 [0.26;4.48]	0.926	0.83 [0.19; 3.62]	0.802	
II	68 (31.8%)	6 (22.2%)	0.74 [0.23;2.43]	0.622	0.57 [0.15; 2.15]	0.403	
III	63 (29.4%)	13 (48.1%)	1.75 [0.62;4.92]	0.287	1.99 [0.66; 5.98]	0.221	
Neoadjuvant treatment	119 (55.6%)	20 (74.1%)	2.13 [0.90;5.04]	0.085	2.38 [0.86; 6.53]	0.093	241
Type of resection:							241
Abdominoperineal resection	64 (29.9%)	7 (25.9%)	0.75 [0.30;1.83]	0.523	1.43 [0.26; 7.74]	0.68	
Hartmann	42 (19.6%)	5 (18.5%)	0.85 [0.31;2.34]	0.750	1.24 [0.39; 4.02]	0.714	
Perforation	10 (4.67%)	2 (7.41%)	1.28 [0.30;5.41]	0.737	0.82 [0.17; 3.87]	0.798	241
Invasion circumferential margin	13 (6.07%)	2 (7.41%)	0.94 [0.22;3.99]	0.936	1.01 [0.21; 5.02]	0.986	241
Mesorecto quality:							239
Partial	29 (13.6%)	6 (23.1%)	1.67 [0.66;4.21]	0.278	2.76 [0.96; 7.92]	0.059	
No-satisfactory	10 (4.69%)	2 (7.69%)	2.03 [0.47;8.76]	0.343	3.55 [0.62;20.52]	0.156	

Reference categories:

- Age, a decade
- Sex, Women
- Tumor level, 13-15cm
- Tumor stage: 1
- Neoadjuvant treatment, No
- Type of resection, Anterior resection
- Perforation, No
- Invasion circumferential margin, No
- Mesorecto Quality, Satisfactory

Figure 2: Metastasis



Months	0	12	24	36	48	60
N:	241	108	59	33	23	7

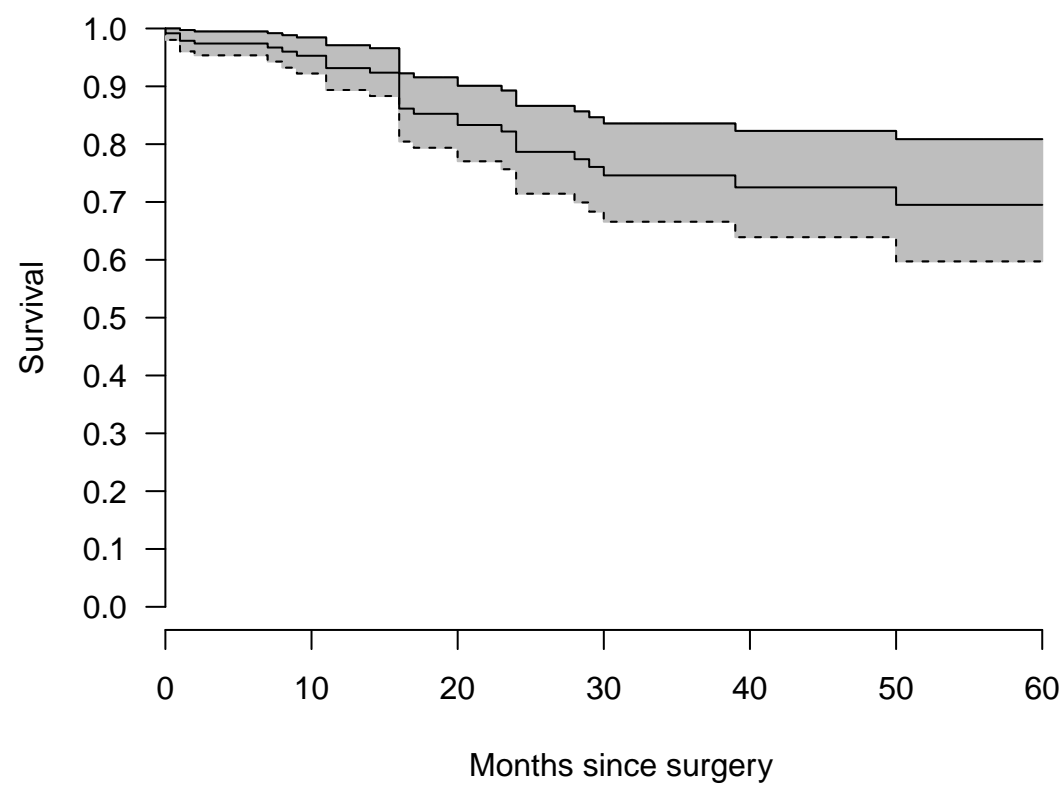
Table 4: According to Exitus

	No event n= 209	Event n= 32	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.86 (1.13)	7.06 (1.24)	1.17 [0.86;1.59]	0.308	1.21 [0.86; 1.70]	0.275	24
Sex: Men	136 (65.1%)	28 (87.5%)	3.57 [1.25;10.2]	0.017	3.25 [1.09; 9.70]	0.034	24
Tumor level:							24
0-6cm	77 (36.8%)	18 (56.2%)	36135698 [0.00;.]	0.996	14479244.88 [0.00; Inf]	0.997	
7-12cm	109 (52.2%)	14 (43.8%)	21333625 [0.00;.]	0.997	17683905.95 [0.00; Inf]	0.997	
Tumor stage:							24
0	33 (15.8%)	3 (9.38%)	1.01 [0.24;4.23]	0.989	0.82 [0.19; 3.46]	0.782	
II	65 (31.1%)	9 (28.1%)	1.11 [0.37;3.30]	0.857	0.64 [0.19; 2.18]	0.47	
III	61 (29.2%)	15 (46.9%)	2.03 [0.74;5.58]	0.172	1.70 [0.58; 4.96]	0.332	
Neoadjuvant treatment	118 (56.5%)	21 (65.6%)	1.34 [0.65;2.78]	0.430	1.35 [0.58; 3.14]	0.483	24
Type of resection:							24
Abdominoperineal resection	54 (25.8%)	17 (53.1%)	2.89 [1.32;6.32]	0.008	3.00 [0.80;11.25]	0.102	
Hartmann	42 (20.1%)	5 (15.6%)	1.32 [0.45;3.86]	0.616	1.35 [0.42; 4.39]	0.617	
Perforation	8 (3.83%)	4 (12.5%)	2.67 [0.93;7.64]	0.067	2.40 [0.69; 8.34]	0.17	24
Invasion circumferential margin	13 (6.22%)	2 (6.25%)	0.81 [0.19;3.37]	0.767	0.45 [0.08; 2.42]	0.35	24
Mesorecto quality:							23
Partial	26 (12.6%)	9 (28.1%)	1.93 [0.88;4.22]	0.101	1.56 [0.63; 3.88]	0.337	
No-satisfactory	10 (4.83%)	2 (6.25%)	1.62 [0.38;6.90]	0.517	1.36 [0.23; 8.07]	0.737	

Reference categories:

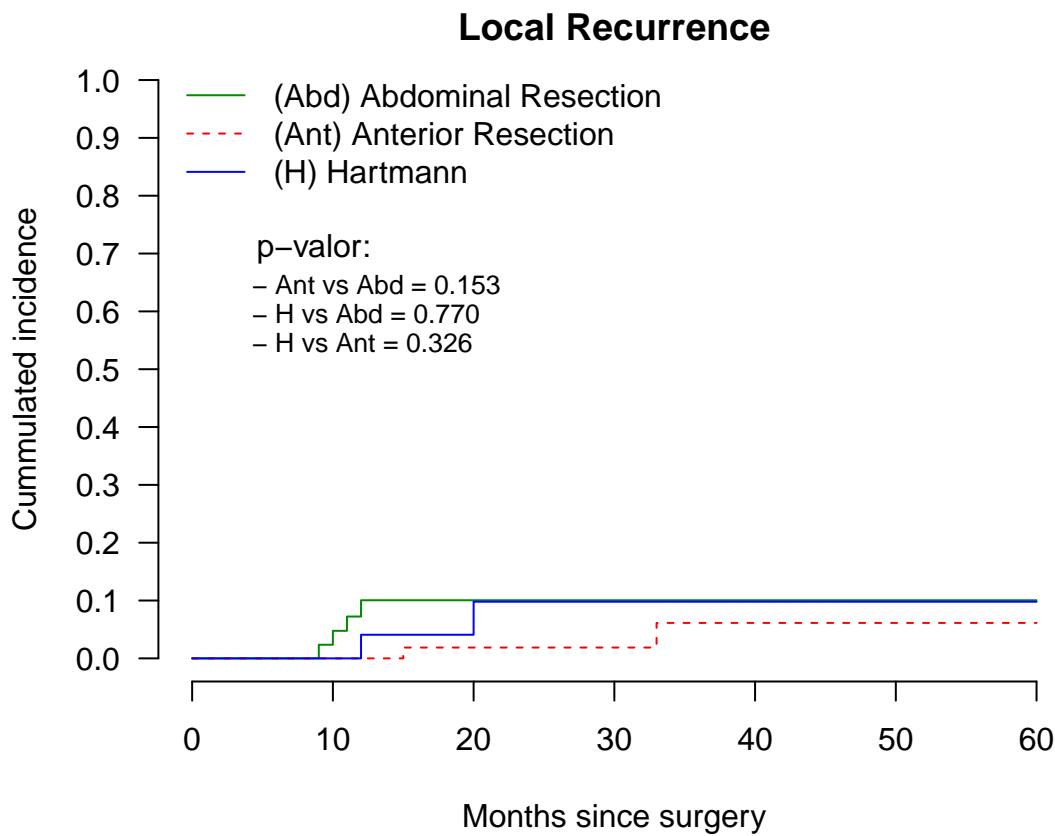
- Age, a decade
- Sex, Women
- Tumor level, 13-15cm
- Tumor stage: 1
- Neoadjuvant treatment, No
- Type of resection, Anterior resection
- Perforation, No
- Invasion circumferential margin, No
- Mesorecto Quality, Satisfactory

Figure 3: Exitus



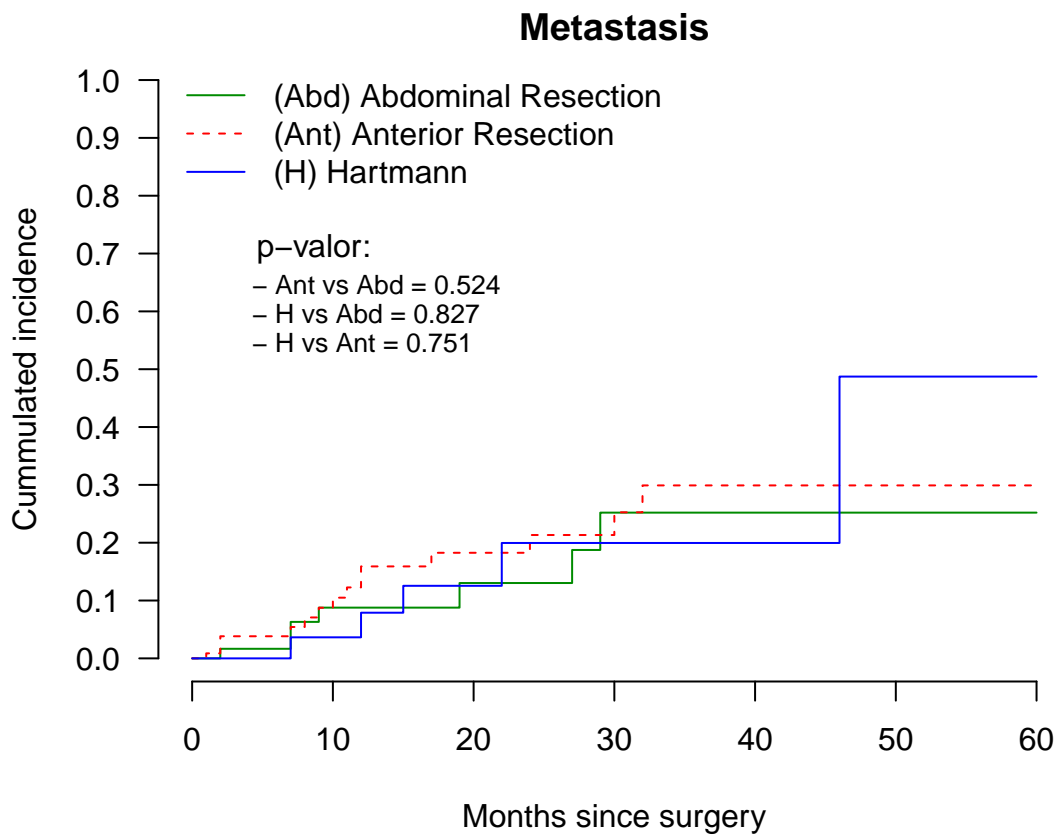
Months	0	12	24	36	48	60
N:	241	122	64	36	25	7

Figure 4: Local Recurrence, according to Type of Resection:



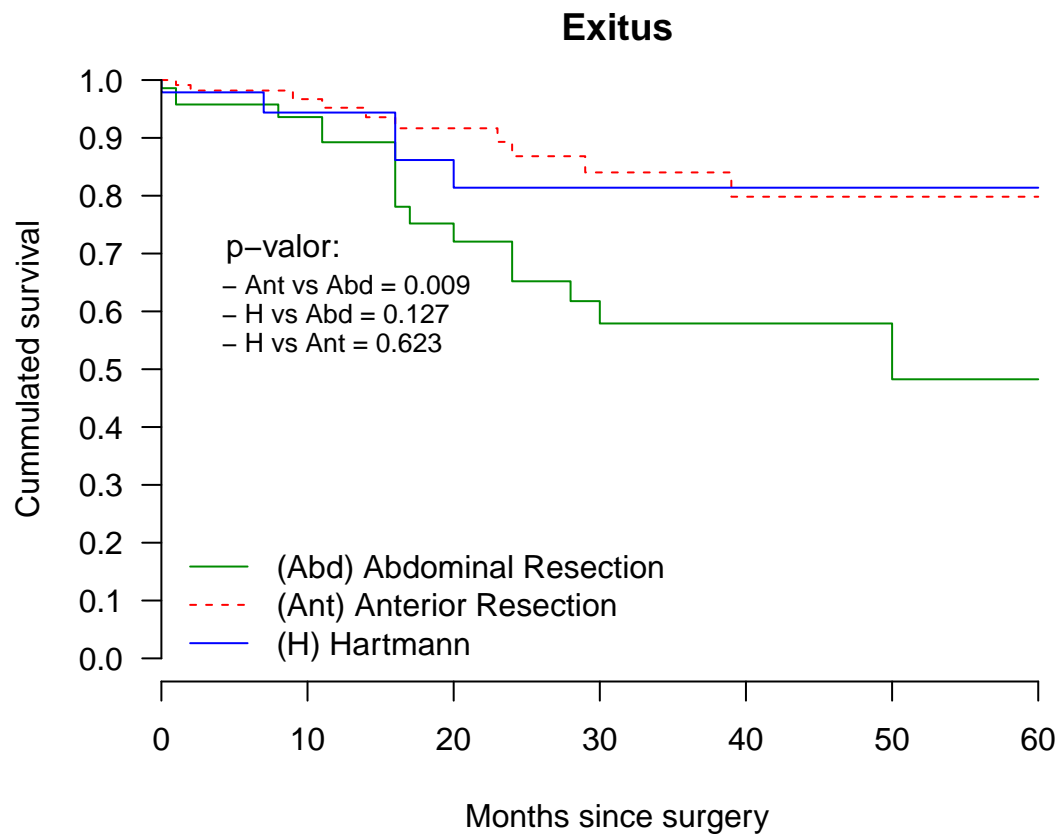
Tiempo	0	12	24	36	48	60
Abd	71	36	20	11	7	2
Ant	123	63	36	20	14	3
H	47	25	13	5	3	2

Figure 5: Metastasis, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	71	36	20	11	7	2
Ant	123	56	33	18	13	3
H	47	24	12	5	3	2

Figure 6: Survival, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	71	39	21	11	7	2
Ant	123	63	36	21	15	3
H	47	25	13	5	3	2

Table 5: Incidence by outcome [95% CI]

Months	Local Recurrence	Metastasis	Exitus
12	3.81 [7.03; 0.48]	11.36 [16.4; 6]	6.85 [10.63; 2.9]
24	5.83 [9.98; 1.48]	16.76 [23.23; 9.75]	21.34 [28.56; 13.39]
36	8.07 [13.88; 1.87]	23.39 [31.73; 14.04]	25.4 [33.41; 16.43]
47	8.07 [13.88; 1.87]	26.34 [35.87; 15.4]	27.47 [36.08; 17.71]
60	8.07 [13.88; 1.87]	26.34 [35.87; 15.4]	30.5 [40.26; 19.14]