

WIKINGO Project Systematic Analysis

Tables & Figures.

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Table 1: Participant characteristics

	[ALL] N=109	N
Age	67.3 (12.5)	109
Sex: Men	66 (60.6%)	109
Tumor level:		109
0-6cm	38 (34.9%)	
7-12cm	57 (52.3%)	
13-15cm	14 (12.8%)	
Tumor stage:		109
0	11 (10.1%)	
I	50 (45.9%)	
II	16 (14.7%)	
III	32 (29.4%)	
Neoadjuvant treatment	68 (62.4%)	109
Type of resection:		109
Abdominoperineal resection	19 (17.4%)	
Anterior resection	80 (73.4%)	
Hartmann	10 (9.17%)	
Perforation	5 (4.59%)	109
Invasion circumferential margin	4 (3.70%)	108
Mesorecto quality:		100
Satisfactory	71 (71.0%)	
Partial	23 (23.0%)	
No-satisfactory	6 (6.00%)	
Recidive	9 (8.26%)	109
Months to recidive	42.0 [30.0;55.0]	109
Metastasis	20 (18.3%)	109
Months to Metastasis	39.0 [22.0;54.0]	109
Exitus	22 (20.2%)	109
Months to exitus	43.0 [33.0;56.0]	109

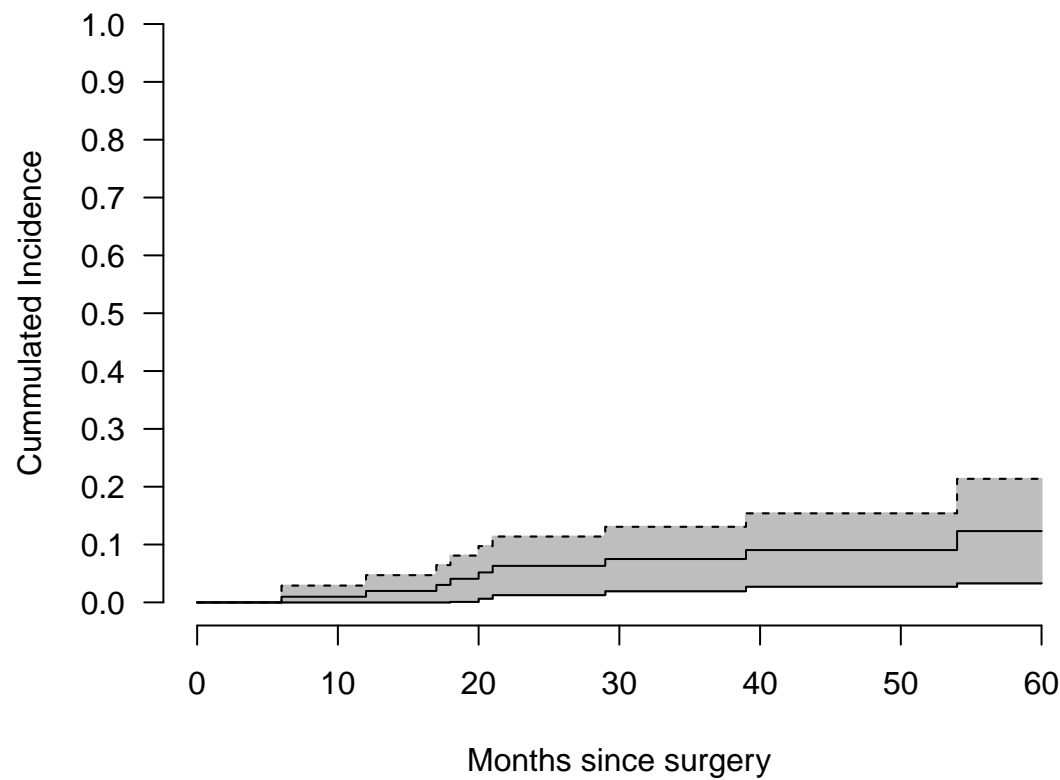
Table 2: According to Local Recurrence

	No event n= 100	Event n= 9	Crude HR	p-value	Multivariate HR	p-value
Age (10y)	6.74 (1.27)	6.60 (1.05)	0.99 [0.58;1.71]	0.983	1.27 [0.51; 3.17]	0.602
Sex: Men	60 (60.0%)	6 (66.7%)	1.44 [0.36;5.76]	0.606	1.85 [0.26; 13.12]	0.54
Tumor level:						
0-6cm	32 (32.0%)	6 (66.7%)	182426535 [0.00;.]	0.998	1207958310.59 [0.00; Inf]	0.999
7-12cm	54 (54.0%)	3 (33.3%)	56638710 [0.00;.]	0.998	76066305.99 [0.00; Inf]	0.999
Tumor stage:						
0	10 (10.0%)	1 (11.1%)	1.14 [0.13;10.2]	0.906	1.00 [0.09; 11.55]	0.998
II	15 (15.0%)	1 (11.1%)	0.94 [0.10;8.38]	0.953	6.77 [0.34;136.27]	0.212
III	29 (29.0%)	3 (33.3%)	1.37 [0.30;6.13]	0.683	1.15 [0.15; 8.87]	0.89
Neoadjuvant treatment	61 (61.0%)	7 (77.8%)	2.08 [0.43;10.00]	0.362	0.40 [0.04; 3.76]	0.423
Type of resection:						
Abdominoperineal resection	16 (16.0%)	3 (33.3%)	2.77 [0.66;11.6]	0.164	0.65 [0.08; 5.08]	0.68
Hartmann	9 (9.00%)	1 (11.1%)	1.54 [0.18;13.2]	0.694	0.00 [0.00; Inf]	1
Perforation	5 (5.00%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	1
Invasion circumferential margin	3 (3.03%)	1 (11.1%)	4.05 [0.50;33.0]	0.191	1443884927872.19 [0.00; Inf]	1
Mesorrecto quality:						
Partial	22 (23.9%)	1 (12.5%)	0.75 [0.09;6.46]	0.796	0.80 [0.08; 7.45]	0.841
No-satisfactory	4 (4.35%)	2 (25.0%)	5.18 [1.00;26.7]	0.050	3.56 [0.23; 54.64]	0.362

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:	109	98	86	70	40	22

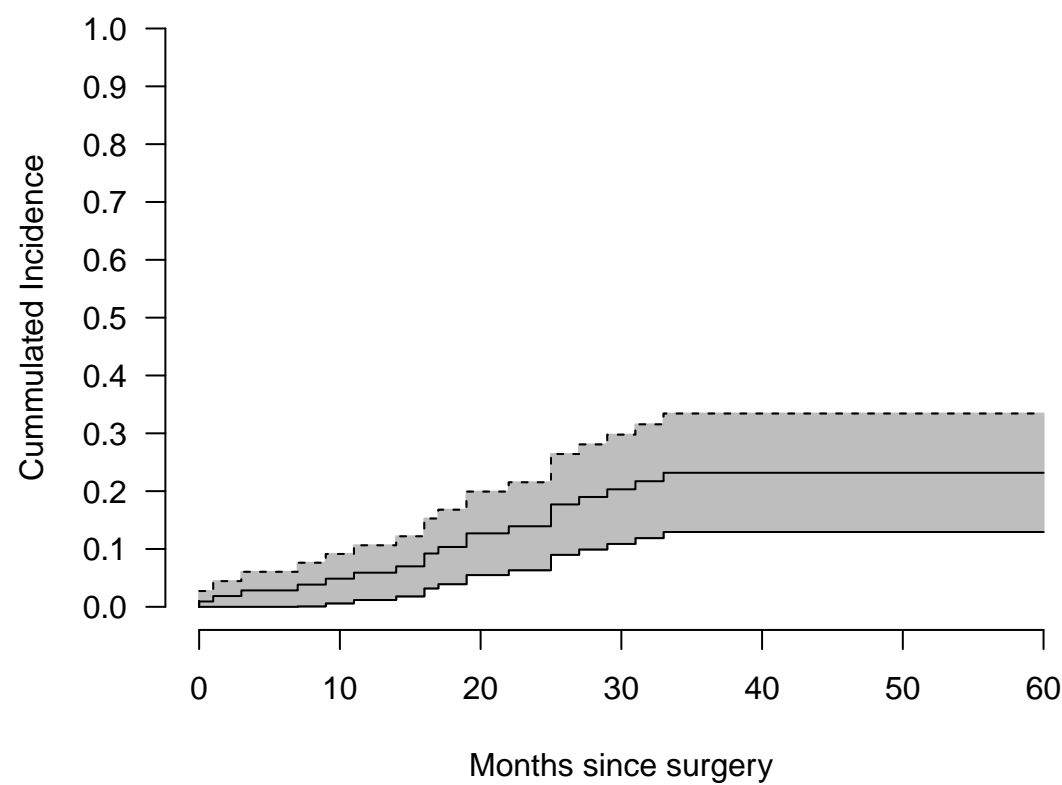
Table 3: According to Metastasis

	No event n= 89	Event n= 20	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.68 (1.28)	6.95 (1.07)	1.26 [0.84;1.89]	0.255	1.21 [0.74; 1.96]	0.45	109
Sex: Men	54 (60.7%)	12 (60.0%)	1.04 [0.42;2.53]	0.940	0.90 [0.32; 2.57]	0.845	109
Tumor level:							109
0-6cm	33 (37.1%)	5 (25.0%)	0.66 [0.16;2.76]	0.568	1.00 [0.12; 8.10]	1	
7-12cm	45 (50.6%)	12 (60.0%)	1.01 [0.29;3.59]	0.983	1.51 [0.28; 8.20]	0.635	
Tumor stage:							109
0	9 (10.1%)	2 (10.0%)	1.18 [0.24;5.66]	0.840	0.93 [0.10; 8.75]	0.946	
II	14 (15.7%)	2 (10.0%)	1.13 [0.23;5.43]	0.882	1.63 [0.26;10.36]	0.602	
III	23 (25.8%)	9 (45.0%)	2.43 [0.90;6.54]	0.078	4.39 [1.26;15.26]	0.02	
Neoadjuvant treatment	57 (64.0%)	11 (55.0%)	0.69 [0.29;1.67]	0.416	1.08 [0.29; 3.99]	0.906	109
Type of resection:							109
Abdominoperineal resection	15 (16.9%)	4 (20.0%)	1.40 [0.46;4.21]	0.554	2.19 [0.48;10.00]	0.31	
Hartmann	9 (10.1%)	1 (5.00%)	0.53 [0.07;3.99]	0.536	0.88 [0.09; 8.61]	0.91	
Perforation	5 (5.62%)	0 (0.00%)	0.00 [0.00;.]	0.997	0.00 [0.00; Inf]	0.998	109
Invasion circumferential margin	4 (4.55%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	0.998	108
Mesorrecto quality:							100
Partial	17 (20.7%)	6 (33.3%)	2.17 [0.79;5.99]	0.134	1.63 [0.55; 4.80]	0.375	
No-satisfactory	4 (4.88%)	2 (11.1%)	3.02 [0.66;13.8]	0.154	4.04 [0.60;27.15]	0.151	

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 2: Metastasis



Months	0	12	24	36	48	60
N:	109	94	81	61	39	22

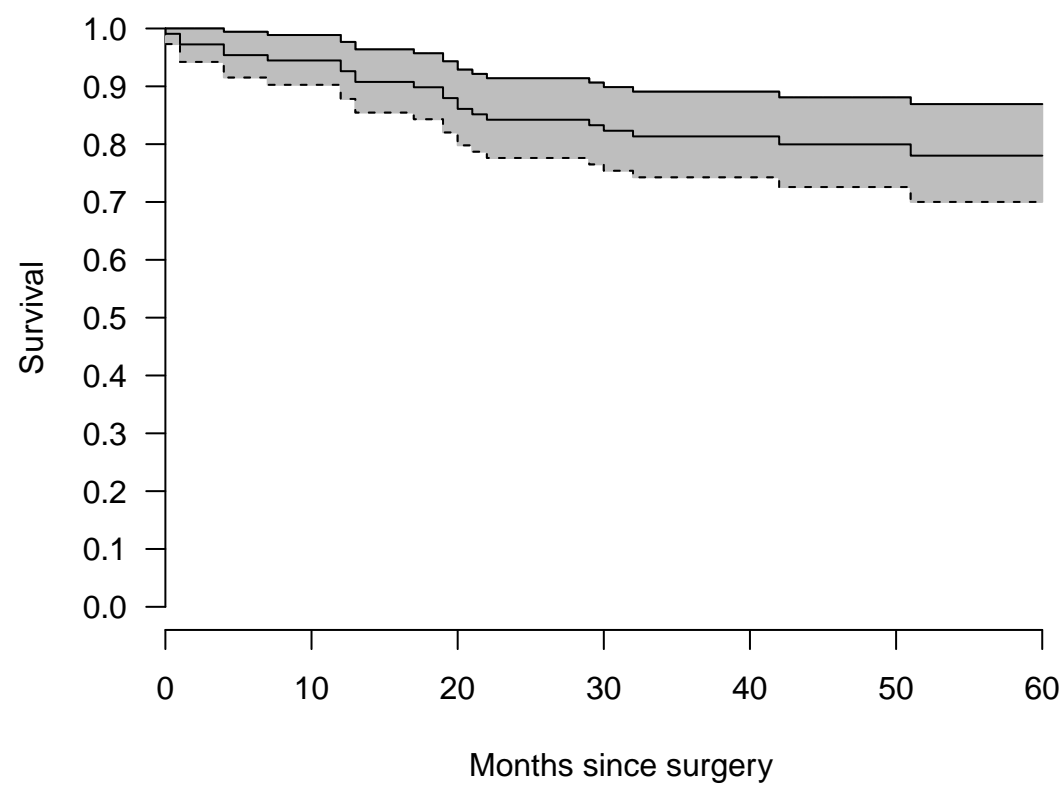
Table 4: According to Exitus

	No event n= 87	Event n= 22	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.48 (1.20)	7.70 (0.92)	3.14 [1.81;5.45]	<0.001	3.71 [1.65; 8.34]	0.002	109
Sex: Men	51 (58.6%)	15 (68.2%)	1.52 [0.62;3.73]	0.359	1.23 [0.42; 3.59]	0.7	109
Tumor level:							109
0-6cm	31 (35.6%)	7 (31.8%)	0.90 [0.23;3.47]	0.874	2.38 [0.22; 25.64]	0.475	
7-12cm	45 (51.7%)	12 (54.5%)	1.01 [0.28;3.58]	0.989	2.50 [0.46; 13.51]	0.287	
Tumor stage:							109
0	10 (11.5%)	1 (4.55%)	0.54 [0.07;4.31]	0.560	0.62 [0.06; 6.73]	0.691	
II	12 (13.8%)	4 (18.2%)	1.86 [0.56;6.17]	0.312	1.81 [0.33; 10.01]	0.496	
III	23 (26.4%)	9 (40.9%)	1.90 [0.73;4.92]	0.188	1.98 [0.64; 6.16]	0.237	
Neoadjuvant treatment	57 (65.5%)	11 (50.0%)	0.58 [0.25;1.34]	0.202	0.95 [0.24; 3.82]	0.945	109
Type of resection:							109
Abdominoperineal resection	15 (17.2%)	4 (18.2%)	1.22 [0.40;3.67]	0.725	0.86 [0.15; 5.12]	0.872	
Hartmann	7 (8.05%)	3 (13.6%)	1.66 [0.48;5.75]	0.421	0.35 [0.05; 2.31]	0.274	
Perforation	4 (4.60%)	1 (4.55%)	0.97 [0.13;7.19]	0.972	0.15 [0.00; 5.47]	0.303	109
Invasion circumferential margin	2 (2.30%)	2 (9.52%)	3.39 [0.79;14.6]	0.101	15.54 [0.74;326.64]	0.078	108
Mesorrecto quality:							100
Partial	13 (16.2%)	10 (50.0%)	4.46 [1.76;11.3]	0.002	3.49 [1.26; 9.69]	0.016	
No-satisfactory	4 (5.00%)	2 (10.0%)	3.16 [0.67;15.0]	0.147	2.00 [0.20; 19.65]	0.552	

Reference categories:

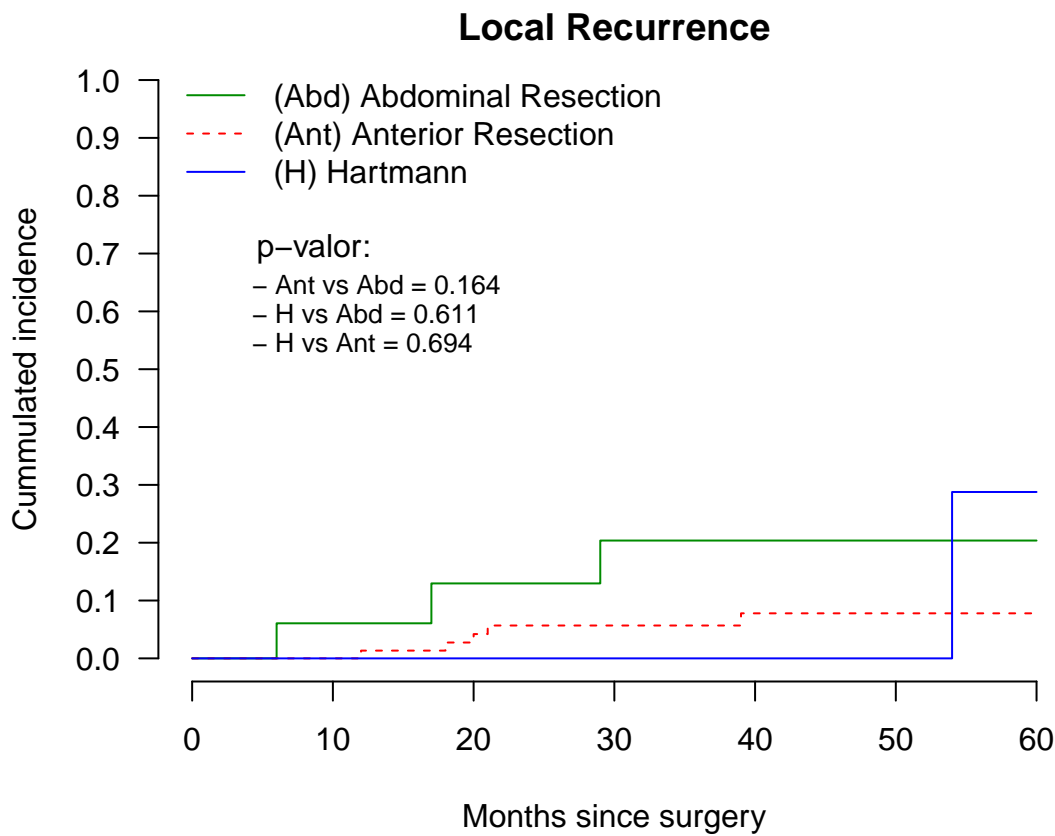
- Age, a decade
- Sex, Women
- Tumor level, 13-15cm
- Tumor stage: 1
- Neoadjuvant treatment, No
- Type of resection, Anterior resection
- Perforation, No
- Invasion circumferential margin, No
- Mesorrecto Quality, Satisfactory

Figure 3: Exitus



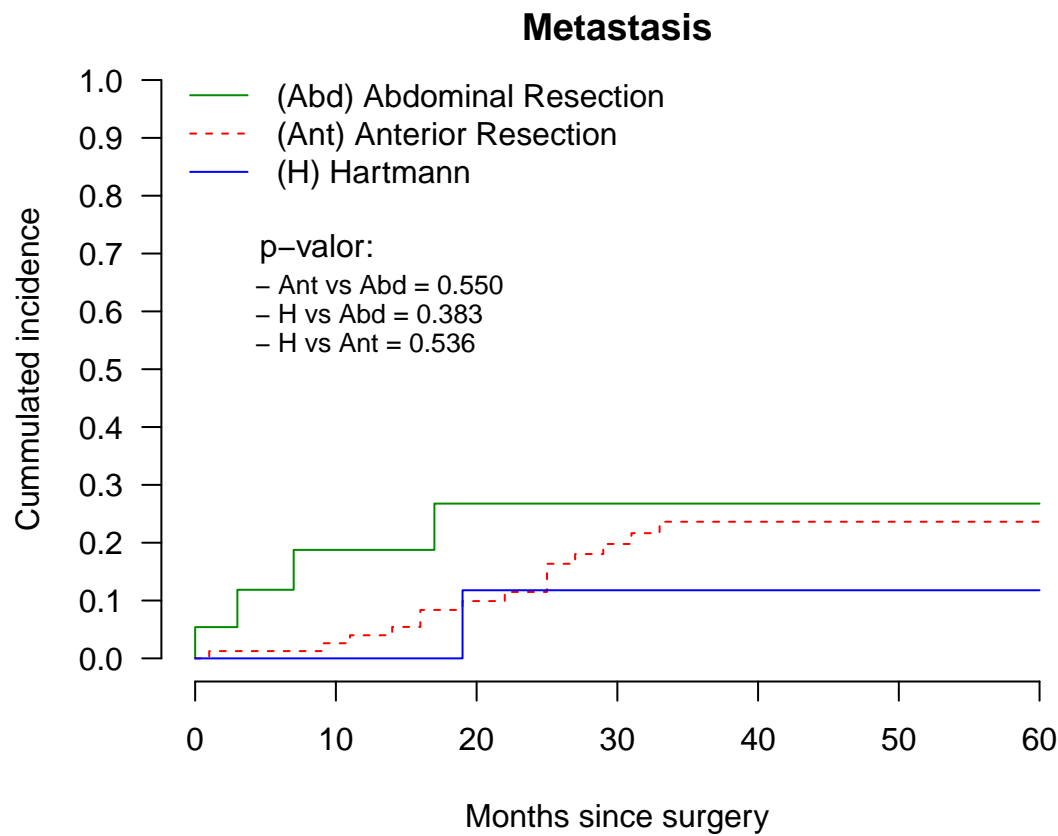
Months	0	12	24	36	48	60
N:	109	100	90	73	44	23

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



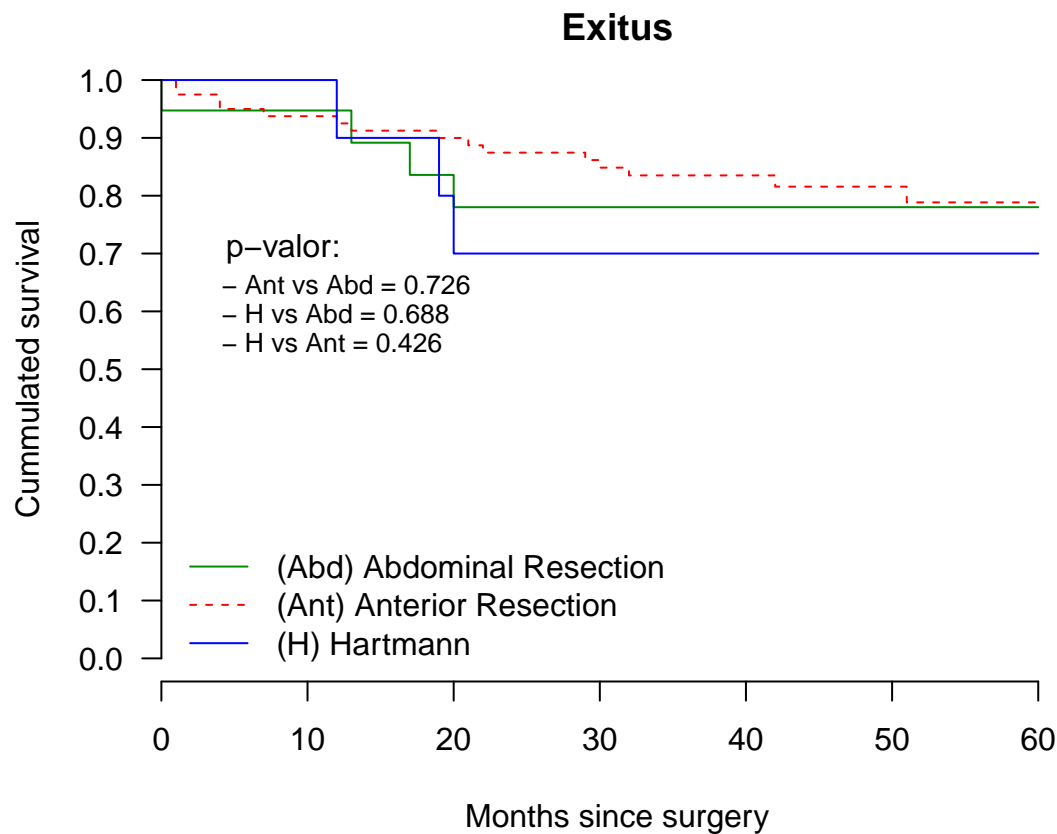
Tiempo	0	12	24	36	48	60
Abd	19	16	14	13	6	4
Ant	80	75	65	52	30	15
H	10	10	7	7	4	3

Figure 5: Metastasis, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	19	14	11	11	6	5
Ant	80	72	63	45	29	14
H	10	10	7	7	4	3

Figure 6: Survival, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	19	17	14	14	7	5
Ant	80	75	69	55	33	15
H	10	10	7	7	4	3

Table 5: Incidence by outcome [95% CI]

Months	Local Recurrence	Metastasis	Exitus
12	1.95 [4.59; 0]	5.73 [10.09; 1.17]	7.38 [12.18; 2.33]
22	6.12 [10.75; 1.25]	13 [19.37; 6.13]	15.78 [22.39; 8.6]
36	7.22 [12.24; 1.91]	20.69 [28.4; 12.14]	18.66 [25.72; 10.93]
47	8.65 [14.26; 2.67]	20.69 [28.4; 12.14]	20.04 [27.41; 11.92]
60	11.59 [19.23; 3.24]	20.69 [28.4; 12.14]	21.99 [29.99; 13.08]