

WIKINGO Project Systematic Analysis

Tables & Figures.

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Table 1: Participant characteristics

	[ALL] N=213	N
Age	68.0 (11.6)	213
Sex: Men	157 (73.7%)	213
Tumor level:		213
0-6cm	84 (39.4%)	
7-12cm	96 (45.1%)	
13-15cm	33 (15.5%)	
Tumor stage:		213
0	21 (9.86%)	
I	46 (21.6%)	
II	84 (39.4%)	
III	62 (29.1%)	
Neoadjuvant treatment	169 (79.3%)	213
Type of resection:		213
Abdominoperineal resection	69 (32.4%)	
Anterior resection	116 (54.5%)	
Hartmann	28 (13.1%)	
Perforation	17 (7.98%)	213
Invasion circumferential margin	26 (12.2%)	213
Mesorecto quality:		207
Satisfactory	110 (53.1%)	
Partial	51 (24.6%)	
No-satisfactory	46 (22.2%)	
Recidive	17 (7.98%)	213
Months to recidive	37.0 [19.0;51.0]	213
Metastasis	58 (27.2%)	213
Months to Metastasis	31.0 [16.0;49.0]	213
Exitus	65 (30.5%)	213
Months to exitus	38.0 [20.0;58.0]	213

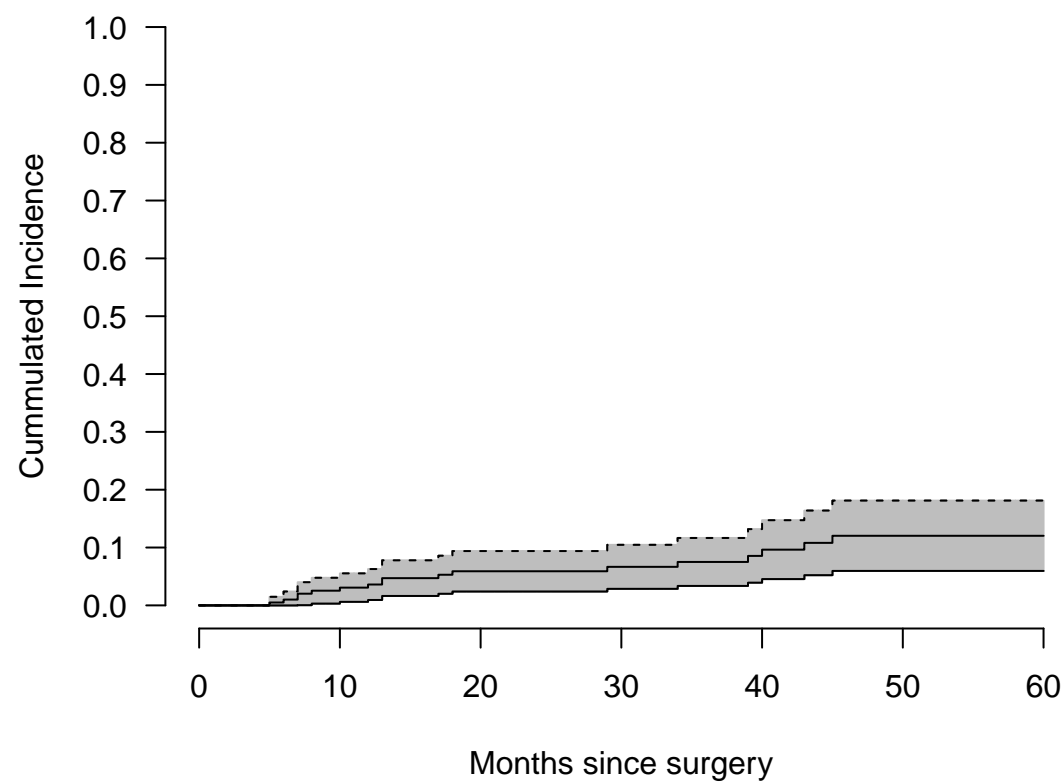
Table 2: According to Local Recurrence

	No event n= 196	Event n= 17	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.81 (1.15)	6.74 (1.36)	0.98 [0.65;1.48]	0.916	0.82 [0.50; 1.35]	0.439	213
Sex: Men	145 (74.0%)	12 (70.6%)	0.88 [0.31;2.49]	0.808	0.70 [0.21; 2.25]	0.544	213
Tumor level:							213
0-6cm	76 (38.8%)	8 (47.1%)	0.71 [0.21;2.37]	0.583	0.31 [0.03; 3.76]	0.355	
7-12cm	91 (46.4%)	5 (29.4%)	0.41 [0.11;1.54]	0.189	0.19 [0.03; 1.39]	0.102	
Tumor stage:							213
0	21 (10.7%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	0.998	
II	74 (37.8%)	10 (58.8%)	1.95 [0.54;7.09]	0.310	1.19 [0.27; 5.30]	0.821	
III	58 (29.6%)	4 (23.5%)	1.13 [0.25;5.08]	0.869	0.53 [0.09; 3.18]	0.487	
Neoadjuvant treatment	156 (79.6%)	13 (76.5%)	0.83 [0.27;2.55]	0.747	3.47 [0.56;21.32]	0.18	213
Type of resection:							213
Abdominoperineal resection	64 (32.7%)	5 (29.4%)	1.65 [0.48;5.70]	0.428	0.70 [0.07; 7.07]	0.765	
Hartmann	21 (10.7%)	7 (41.2%)	7.46 [2.36;23.5]	0.001	5.38 [0.79;36.48]	0.085	
Perforation	12 (6.12%)	5 (29.4%)	6.32 [2.22;18.0]	0.001	5.59 [1.19;26.30]	0.03	213
Invasion circumferential margin	24 (12.2%)	2 (11.8%)	1.26 [0.29;5.50]	0.762	0.49 [0.08; 2.90]	0.429	213
Mesorecto quality:							207
Partial	49 (25.5%)	2 (13.3%)	0.68 [0.14;3.36]	0.633	0.69 [0.13; 3.71]	0.667	
No-satisfactory	39 (20.3%)	7 (46.7%)	3.20 [1.07;9.54]	0.037	2.63 [0.56;12.44]	0.222	

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 1: Local Recurrence



Months	0	12	24	36	48	60
N:	213	183	135	109	67	45

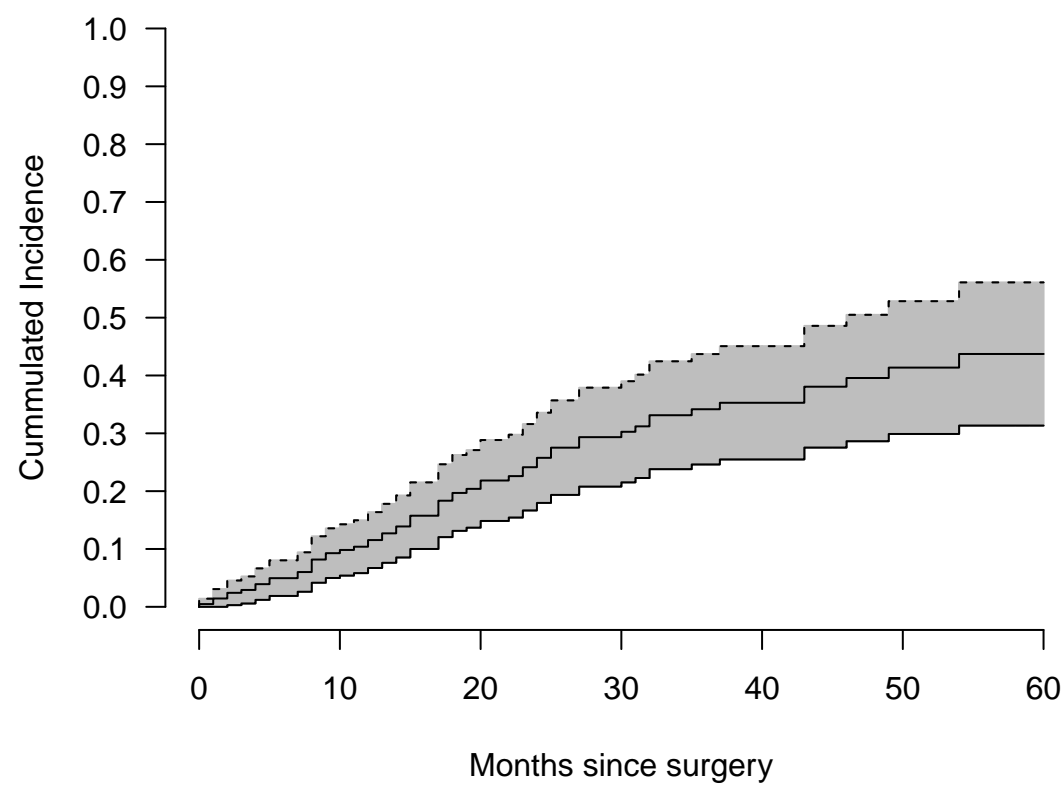
Table 3: According to Metastasis

	No event n= 155	Event n= 58	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.83 (1.13)	6.72 (1.26)	0.97 [0.78;1.22]	0.818	1.06 [0.83; 1.37]	0.626	213
Sex: Men	118 (76.1%)	39 (67.2%)	0.69 [0.40;1.20]	0.187	0.77 [0.43; 1.39]	0.384	213
Tumor level:							213
0-6cm	58 (37.4%)	26 (44.8%)	0.90 [0.43;1.86]	0.767	0.40 [0.11; 1.45]	0.165	
7-12cm	74 (47.7%)	22 (37.9%)	0.69 [0.33;1.46]	0.329	0.49 [0.17; 1.42]	0.186	
Tumor stage:							213
0	21 (13.5%)	0 (0.00%)	0.00 [0.00;.]	0.996	0.00 [0.00; Inf]	0.995	
II	58 (37.4%)	26 (44.8%)	8.45 [2.00;35.6]	0.004	5.66 [1.30;24.63]	0.021	
III	32 (20.6%)	30 (51.7%)	15.2 [3.64;63.8]	<0.001	10.98 [2.53;47.54]	0.001	
Neoadjuvant treatment	122 (78.7%)	47 (81.0%)	1.07 [0.55;2.06]	0.845	1.85 [0.68; 5.03]	0.226	213
Type of resection:							213
Abdominoperineal resection	49 (31.6%)	20 (34.5%)	1.22 [0.68;2.17]	0.508	1.08 [0.43; 2.74]	0.87	
Hartmann	17 (11.0%)	11 (19.0%)	2.34 [1.16;4.73]	0.017	2.36 [0.90; 6.21]	0.081	
Perforation	7 (4.52%)	10 (17.2%)	3.50 [1.76;6.93]	<0.001	2.15 [0.85; 5.47]	0.108	213
Invasion circumferential margin	10 (6.45%)	16 (27.6%)	4.29 [2.40;7.67]	<0.001	2.42 [1.26; 4.63]	0.008	213
Mesorecto quality:							207
Partial	40 (26.7%)	11 (19.3%)	0.71 [0.36;1.42]	0.339	0.74 [0.35; 1.56]	0.434	
No-satisfactory	30 (20.0%)	16 (28.1%)	1.49 [0.81;2.74]	0.195	1.27 [0.55; 2.92]	0.581	

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:	213	173	115	90	56	36

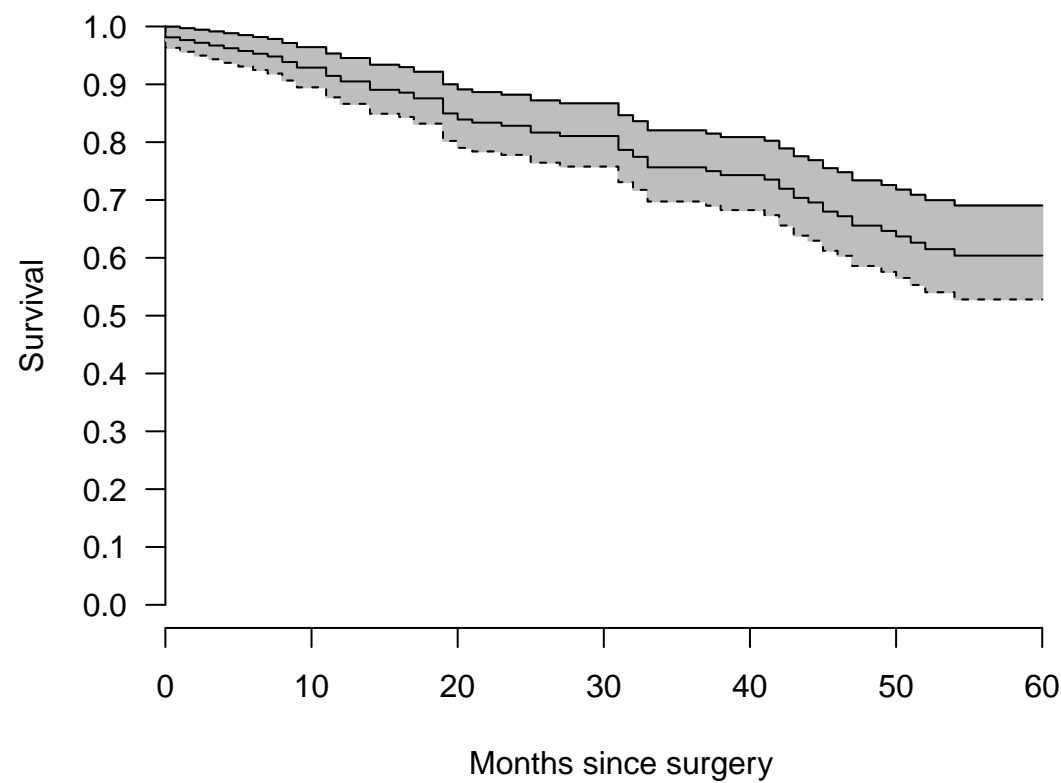
Table 4: According to Exitus

	No event n= 148	Event n= 65	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.55 (1.15)	7.36 (0.99)	1.80 [1.37;2.36]	<0.001	1.99 [1.46;2.72]	<0.001	213
Sex: Men	110 (74.3%)	47 (72.3%)	0.96 [0.56;1.66]	0.896	1.08 [0.60;1.95]	0.801	213
Tumor level:							213
0-6cm	61 (41.2%)	23 (35.4%)	0.74 [0.36;1.52]	0.412	0.51 [0.14;1.77]	0.285	
7-12cm	65 (43.9%)	31 (47.7%)	0.96 [0.48;1.91]	0.911	0.85 [0.32;2.27]	0.751	
Tumor stage:							213
0	21 (14.2%)	0 (0.00%)	0.00 [0.00;.]	0.996	0.00 [0.00; Inf]	0.995	
II	60 (40.5%)	24 (36.9%)	0.97 [0.50;1.87]	0.919	0.77 [0.38;1.59]	0.488	
III	35 (23.6%)	27 (41.5%)	1.62 [0.85;3.10]	0.142	1.81 [0.88;3.75]	0.108	
Neoadjuvant treatment	121 (81.8%)	48 (73.8%)	0.72 [0.41;1.25]	0.243	1.18 [0.54;2.61]	0.678	213
Type of resection:							213
Abdominoperineal resection	51 (34.5%)	18 (27.7%)	0.90 [0.51;1.61]	0.732	0.61 [0.24;1.54]	0.297	
Hartmann	13 (8.78%)	15 (23.1%)	2.27 [1.23;4.20]	0.009	1.76 [0.75;4.13]	0.192	
Perforation	9 (6.08%)	8 (12.3%)	1.81 [0.86;3.79]	0.117	1.35 [0.55;3.27]	0.511	213
Invasion circumferential margin	16 (10.8%)	10 (15.4%)	1.64 [0.83;3.21]	0.153	1.45 [0.67;3.17]	0.346	213
Mesorrecto quality:							207
Partial	33 (22.9%)	18 (28.6%)	1.28 [0.71;2.30]	0.412	1.24 [0.65;2.36]	0.519	
No-satisfactory	30 (20.8%)	16 (25.4%)	1.47 [0.80;2.71]	0.214	2.28 [1.07;4.86]	0.032	

Reference categories:

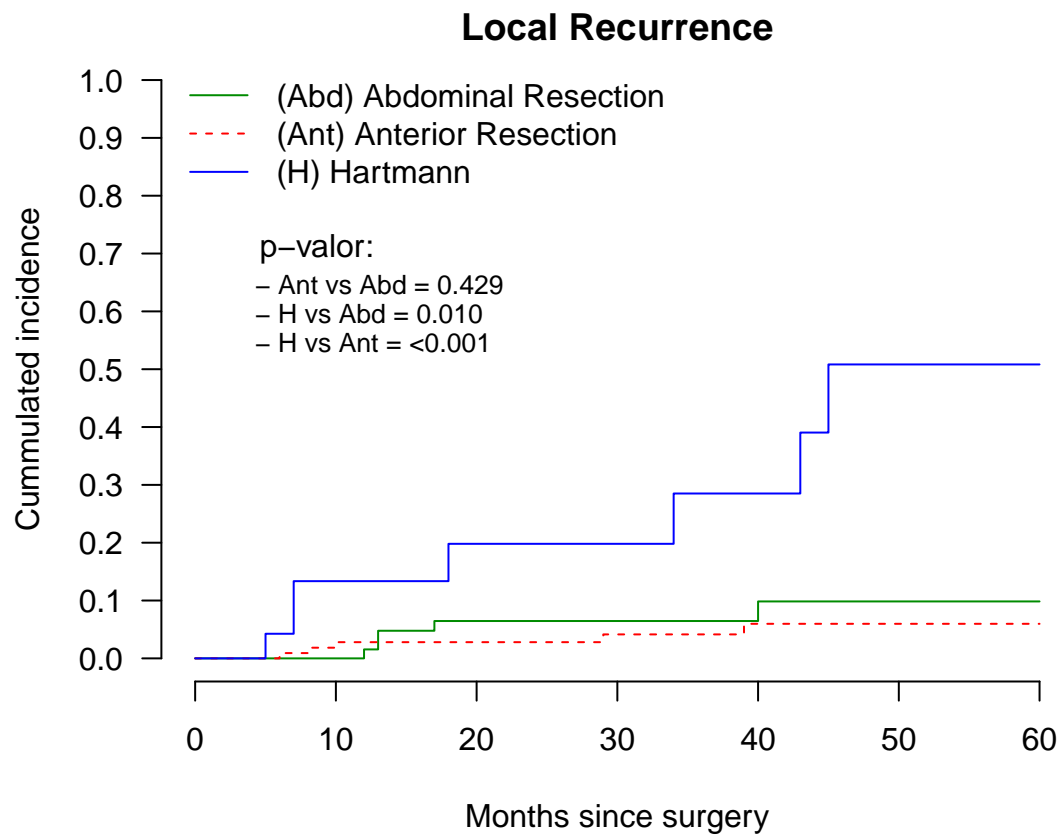
- Age, a decade
- Sex, Women
- Tumor level, 13-15cm
- Tumor stage: 1
- Neoadjuvant treatment, No
- Type of resection, Anterior resection
- Perforation, No
- Invasion circumferential margin, No
- Mesorrecto Quality, Satisfactory

Figure 3: Exitus



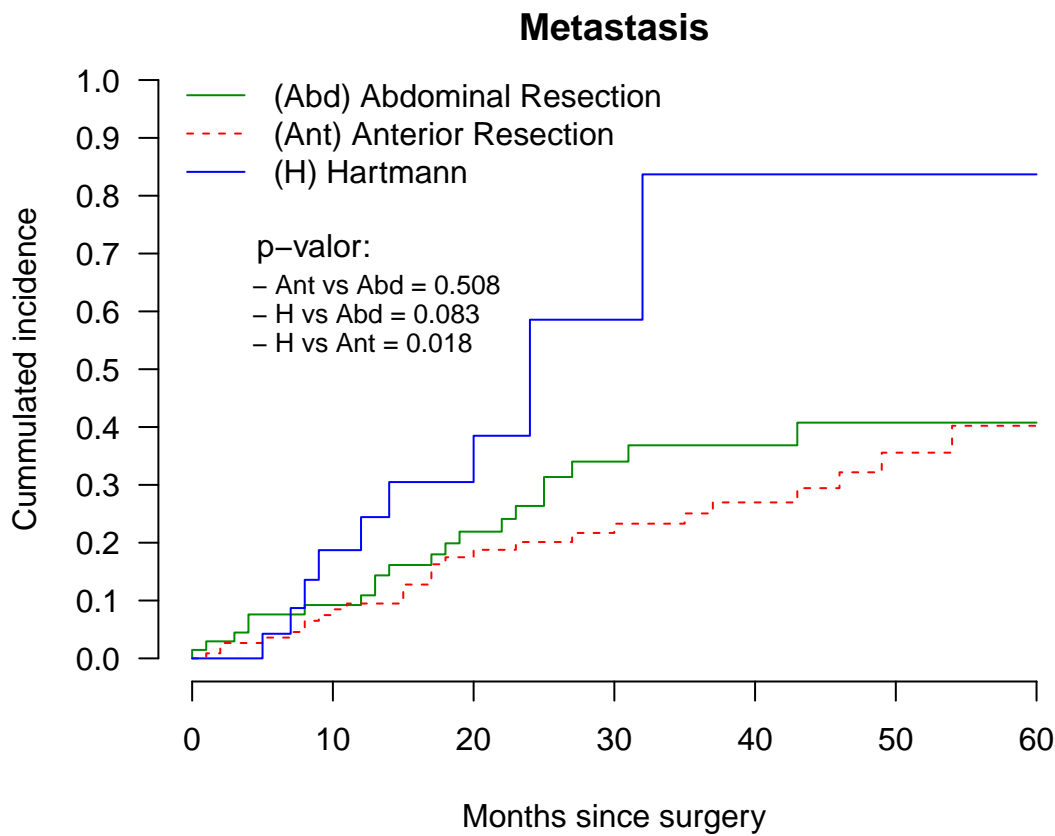
Months	0	12	24	36	48	60
N:	213	189	141	115	71	47

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



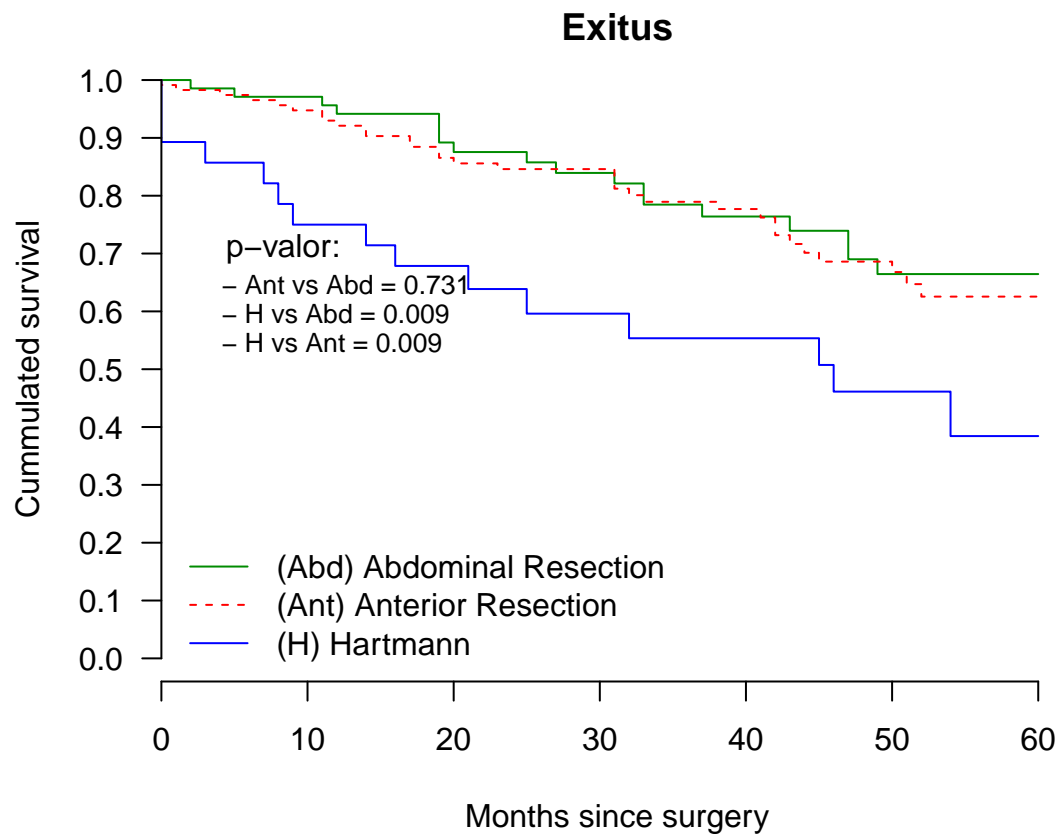
Tiempo	0	12	24	36	48	60
Abd	69	65	49	38	26	15
Ant	116	103	81	66	41	27
H	28	18	13	11	7	3

Figure 5: Metastasis, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	69	60	44	33	23	13
Ant	116	97	69	56	34	20
H	28	18	11	7	6	3

Figure 6: Survival, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	69	65	52	40	28	16
Ant	116	105	82	68	42	28
H	28	21	15	13	10	3

Table 5: Incidence by outcome [95% CI]

Months	Local Recurrence	Metastasis	Exitus
12	3.54 [6.09; 0.93]	10.9 [15.1; 6.49]	9.5 [13.38; 5.45]
24	5.73 [8.96; 2.38]	22.71 [28.51; 16.45]	17.17 [22.2; 11.81]
36	7.23 [11; 3.31]	28.94 [35.4; 21.83]	24.35 [30.25; 17.97]
48	11.34 [16.56; 5.78]	32.67 [39.64; 24.91]	34.43 [41.4; 26.62]
60	11.34 [16.56; 5.78]	35.41 [42.93; 26.91]	39.62 [47.19; 30.96]