

WIKINGO Project Systematic Analysis

Tables & Figures.

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Table 1: Participant characteristics

	[ALL] N=143	N
Age	65.9 (13.7)	143
Sex: Men	91 (63.6%)	143
Tumor level:		143
0-6cm	50 (35.0%)	
7-12cm	67 (46.9%)	
13-15cm	26 (18.2%)	
Tumor stage:		143
0	11 (7.69%)	
I	40 (28.0%)	
II	56 (39.2%)	
III	36 (25.2%)	
Neoadjuvant treatment	90 (62.9%)	143
Type of resection:		143
Abdominoperineal resection	27 (18.9%)	
Anterior resection	99 (69.2%)	
Hartmann	17 (11.9%)	
Perforation	3 (2.10%)	143
Invasion circumferential margin	15 (10.5%)	143
Mesorecto quality:		143
Satisfactory	128 (89.5%)	
Partial	13 (9.09%)	
No-satisfactory	2 (1.40%)	
Recidive	9 (6.29%)	143
Months to recidive	38.0 [27.0;58.0]	143
Metastasis	22 (15.4%)	143
Months to Metastasis	37.0 [25.0;57.0]	143
Exitus	26 (18.2%)	143
Months to exitus	39.0 [28.0;58.0]	143

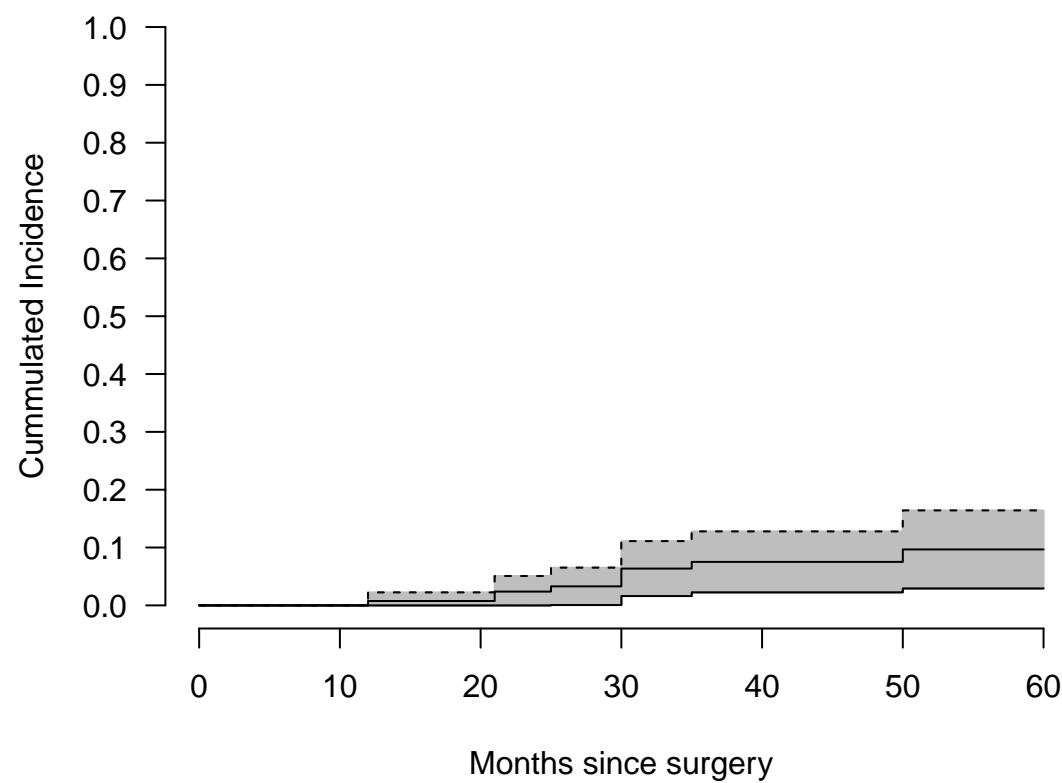
Table 2: According to Local Recurrence

	No event n= 134	Event n= 9	Crude HR	p-value	Multivariate HR	p-value
Age (10y)	6.63 (1.34)	5.91 (1.67)	0.72 [0.44;1.18]	0.198	1.01 [0.58; 1.74]	0.973
Sex: Men	83 (61.9%)	8 (88.9%)	5.19 [0.65;41.5]	0.121	9.96 [1.07; 92.83]	0.043
Tumor level:						
0-6cm	45 (33.6%)	5 (55.6%)	143291031 [0.00;.]	0.998	19060963573.43 [0.00; Inf]	0.999
7-12cm	63 (47.0%)	4 (44.4%)	69429909 [0.00;.]	0.998	4115071507.37 [0.00; Inf]	0.999
Tumor stage:						
0	11 (8.21%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	1
II	54 (40.3%)	2 (22.2%)	0.87 [0.12;6.18]	0.889	1.06 [0.14; 7.70]	0.958
III	31 (23.1%)	5 (55.6%)	3.53 [0.68;18.2]	0.132	14.55 [2.11;100.31]	0.007
Neoadjuvant treatment	85 (63.4%)	5 (55.6%)	0.70 [0.19;2.61]	0.596	0.15 [0.03; 0.87]	0.035
Type of resection:						
Abdominoperineal resection	24 (17.9%)	3 (33.3%)	2.28 [0.57;9.17]	0.245	0.39 [0.04; 3.84]	0.417
Hartmann	17 (12.7%)	0 (0.00%)	0.00 [0.00;.]	0.999	0.00 [0.00; Inf]	1
Perforation	3 (2.24%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.47 [0.00; Inf]	1
Invasion circumferential margin	14 (10.4%)	1 (11.1%)	1.08 [0.13;8.65]	0.942	0.22 [0.02; 2.47]	0.221
Mesorrecto quality:						
Partial	13 (9.70%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	0.999
No-satisfactory	2 (1.49%)	0 (0.00%)	0.00 [0.00;.]	1.000	0.00 [0.00; Inf]	1

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:	143	132	111	78	48	33

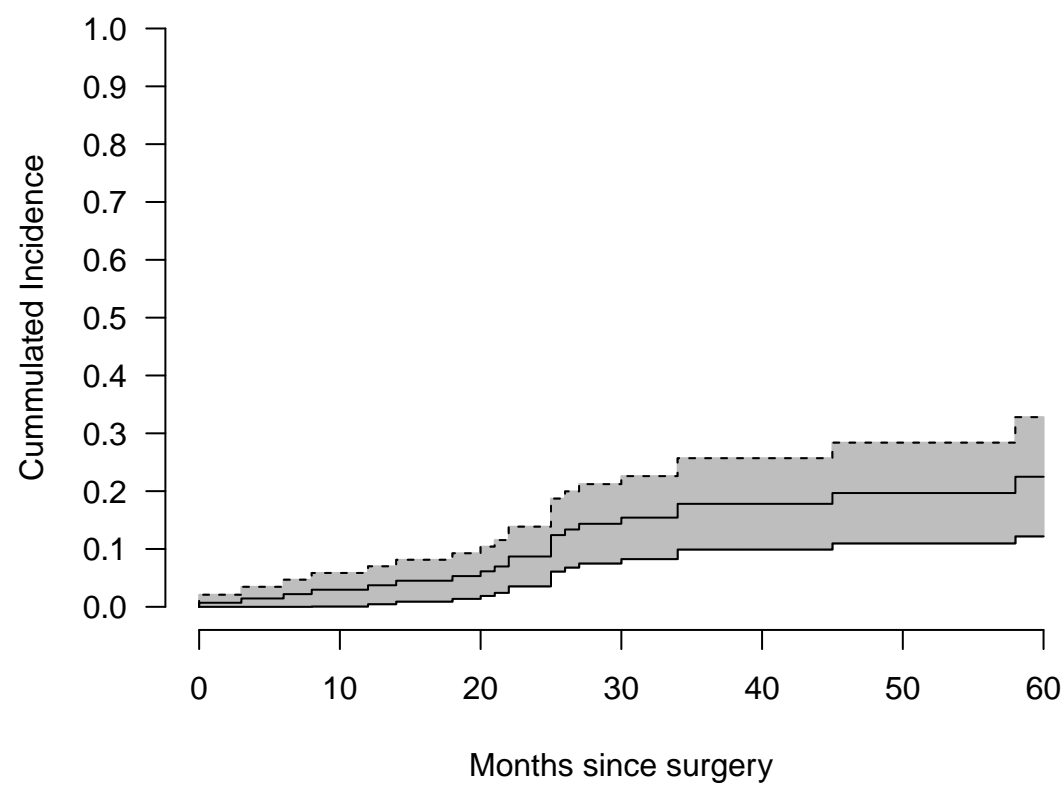
Table 3: According to Metastasis

	No event n= 121	Event n= 22	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.67 (1.26)	6.10 (1.85)	0.80 [0.58;1.10]	0.168	0.84 [0.60; 1.17]	0.299	143
Sex: Men	75 (62.0%)	16 (72.7%)	1.66 [0.65;4.25]	0.289	1.37 [0.51; 3.72]	0.531	143
Tumor level:							143
0-6cm	41 (33.9%)	9 (40.9%)	0.88 [0.30;2.63]	0.821	1.31 [0.29; 5.95]	0.723	
7-12cm	59 (48.8%)	8 (36.4%)	0.50 [0.16;1.54]	0.231	0.59 [0.17; 2.06]	0.404	
Tumor stage:							143
0	11 (9.09%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	0.999	
II	46 (38.0%)	10 (45.5%)	2.19 [0.69;6.97]	0.186	2.60 [0.80; 8.47]	0.114	
III	28 (23.1%)	8 (36.4%)	2.52 [0.76;8.37]	0.132	2.89 [0.81;10.32]	0.102	
Neoadjuvant treatment	76 (62.8%)	14 (63.6%)	1.02 [0.43;2.43]	0.964	0.92 [0.33; 2.58]	0.873	143
Type of resection:							143
Abdominoperineal resection	23 (19.0%)	4 (18.2%)	0.96 [0.32;2.85]	0.940	0.58 [0.14; 2.41]	0.451	
Hartmann	16 (13.2%)	1 (4.55%)	0.48 [0.06;3.58]	0.470	0.74 [0.09; 5.99]	0.78	
Perforation	3 (2.48%)	0 (0.00%)	0.00 [0.00;.]	0.997	0.00 [0.00; Inf]	0.999	143
Invasion circumferential margin	12 (9.92%)	3 (13.6%)	1.29 [0.38;4.36]	0.683	1.01 [0.27; 3.75]	0.989	143
Mesorecto quality:							143
Partial	13 (10.7%)	0 (0.00%)	0.00 [0.00;.]	0.997	0.00 [0.00; Inf]	0.998	
No-satisfactory	2 (1.65%)	0 (0.00%)	0.00 [0.00;.]	0.999	0.00 [0.00; Inf]	1	

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:	143	129	110	74	46	31

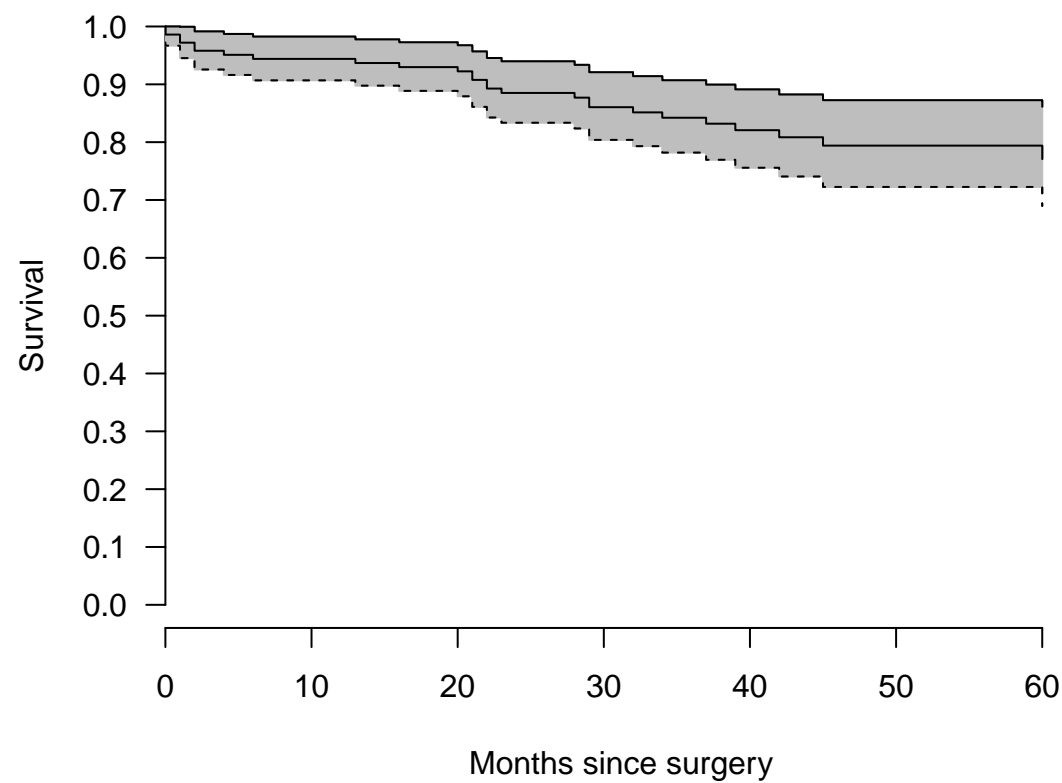
Table 4: According to Exitus

	No event n= 117	Event n= 26	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.45 (1.27)	7.21 (1.65)	1.72 [1.19;2.48]	0.004	1.42 [0.95; 2.12]	0.089	143
Sex: Men	74 (63.2%)	17 (65.4%)	1.15 [0.51;2.59]	0.730	1.25 [0.53; 2.99]	0.612	143
Tumor level:							143
0-6cm	43 (36.8%)	7 (26.9%)	0.43 [0.15;1.17]	0.099	0.55 [0.11; 2.78]	0.469	
7-12cm	56 (47.9%)	11 (42.3%)	0.47 [0.19;1.16]	0.101	0.62 [0.22; 1.73]	0.361	
Tumor stage:							143
0	10 (8.55%)	1 (3.85%)	3.95 [0.25;63.2]	0.332	5.11 [0.30; 87.58]	0.26	
II	42 (35.9%)	14 (53.8%)	11.9 [1.56;90.5]	0.017	9.53 [1.20; 75.62]	0.033	
III	26 (22.2%)	10 (38.5%)	12.8 [1.64;99.9]	0.015	12.10 [1.46;100.09]	0.021	
Neoadjuvant treatment	78 (66.7%)	12 (46.2%)	0.50 [0.23;1.07]	0.075	0.77 [0.30; 1.96]	0.584	143
Type of resection:							143
Abdominoperineal resection	23 (19.7%)	4 (15.4%)	0.95 [0.32;2.83]	0.925	1.50 [0.29; 7.83]	0.633	
Hartmann	12 (10.3%)	5 (19.2%)	2.34 [0.86;6.38]	0.095	2.19 [0.67; 7.23]	0.197	
Perforation	2 (1.71%)	1 (3.85%)	1.97 [0.27;14.6]	0.506	0.58 [0.07; 4.64]	0.609	143
Invasion circumferential margin	11 (9.40%)	4 (15.4%)	1.53 [0.53;4.43]	0.438	1.06 [0.31; 3.61]	0.93	143
Mesorecto quality:							143
Partial	12 (10.3%)	1 (3.85%)	0.34 [0.05;2.51]	0.290	0.24 [0.03; 1.80]	0.164	
No-satisfactory	2 (1.71%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	0.997	

Reference categories:

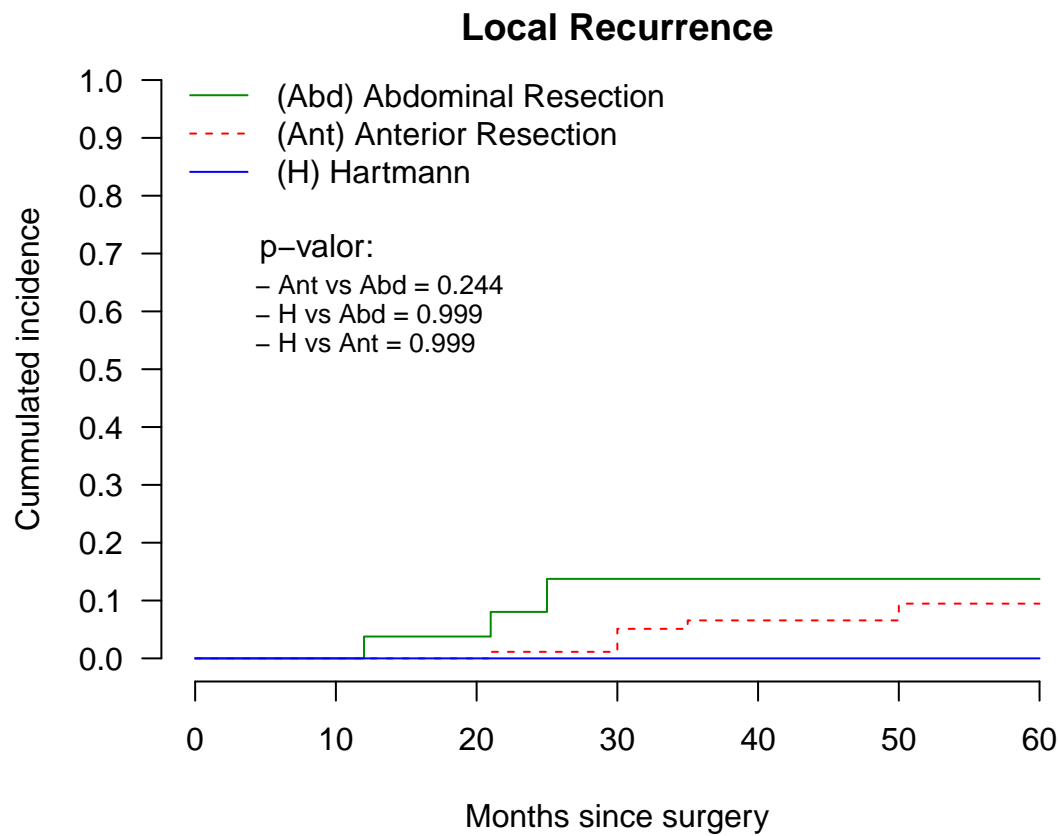
- Age, a decade
- Sex, Women
- Tumor level, 13-15cm
- Tumor stage: 1
- Neoadjuvant treatment, No
- Type of resection, Anterior resection
- Perforation, No
- Invasion circumferential margin, No
- Mesorecto Quality, Satisfactory

Figure 3: Exitus



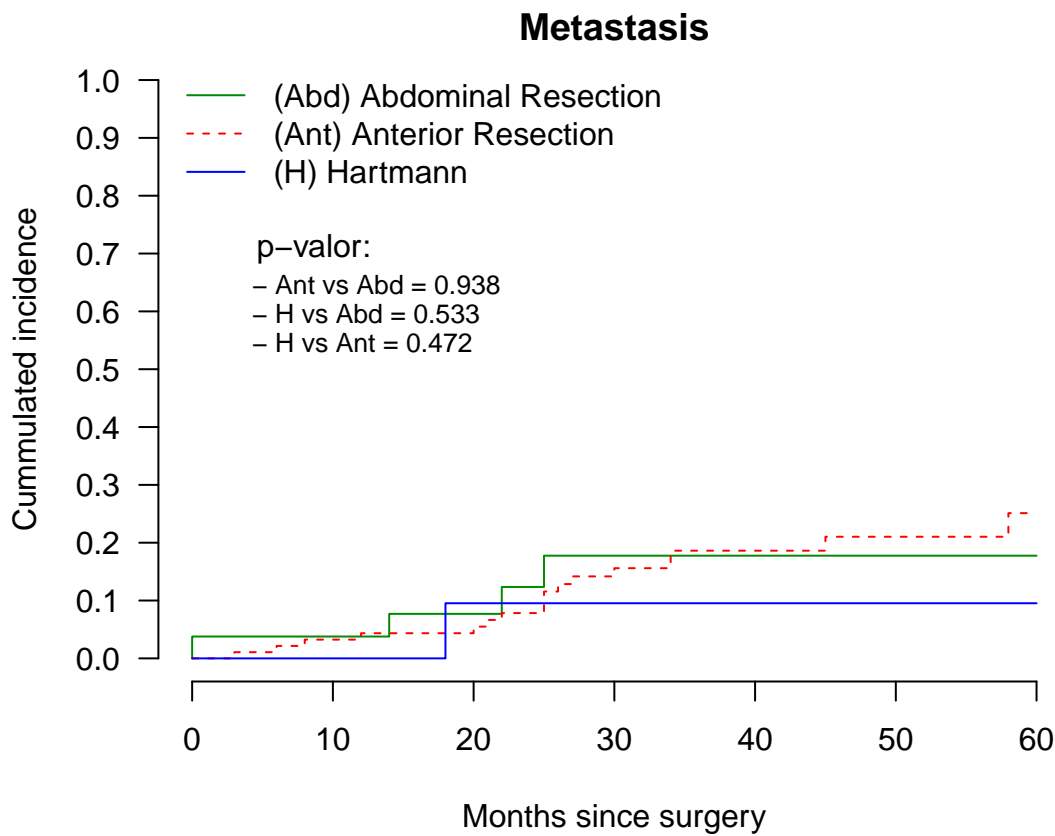
Months	0	12	24	36	48	60
N:	143	133	114	82	49	34

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



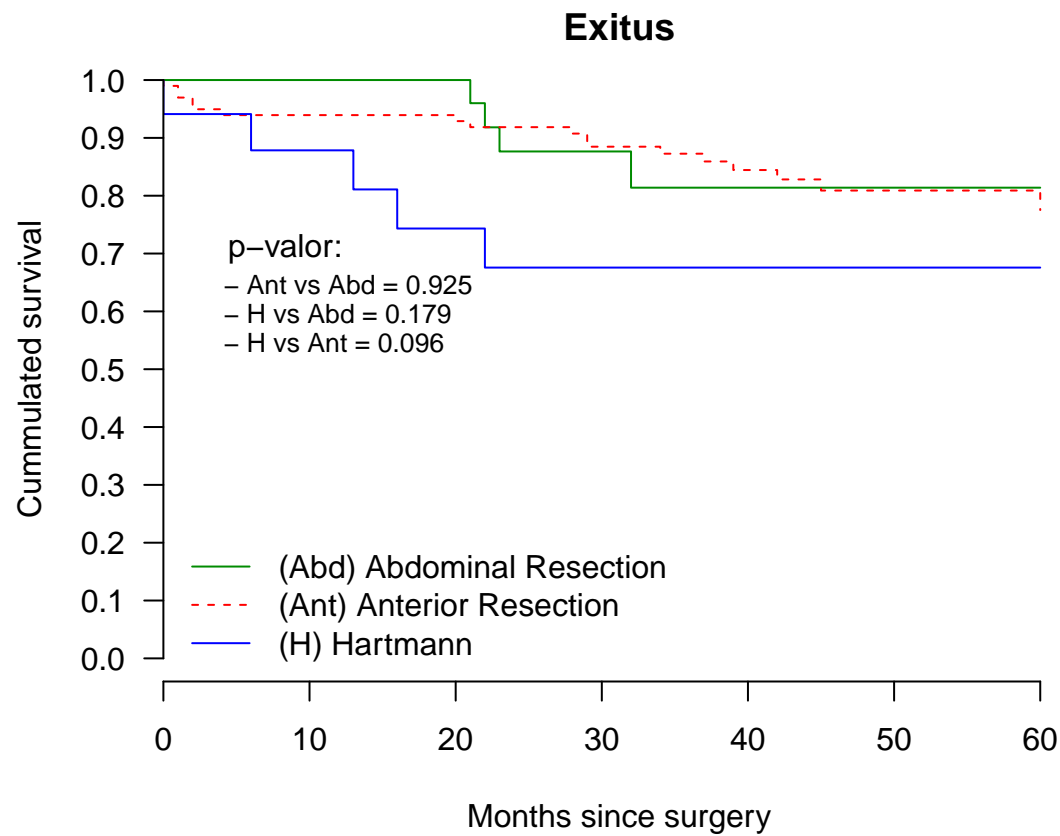
Tiempo	0	12	24	36	48	60
Abd	27	27	18	12	8	6
Ant	99	93	84	66	37	24
H	17	13	10	6	4	3

Figure 5: Metastasis, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	27	26	19	12	8	6
Ant	99	91	82	62	35	22
H	17	13	9	6	4	3

Figure 6: Survival, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	27	27	20	13	9	7
Ant	99	93	85	69	37	24
H	17	13	10	6	4	3

Table 5: Incidence by outcome [95% CI]

Months	Local Recurrence	Metastasis	Exitus
12	0.75 [2.21; 0]	3.66 [6.76; 0.46]	5.6 [9.3; 1.75]
24	2.35 [4.95; 0]	8.33 [12.93; 3.49]	11.49 [16.64; 6.02]
36	7.24 [12; 2.23]	16.31 [22.66; 9.44]	15.78 [21.79; 9.3]
48	7.24 [12; 2.23]	17.86 [24.71; 10.39]	20.6 [27.75; 12.74]
60	9.22 [15.13; 2.89]	20.14 [27.96; 11.47]	22.93 [31.03; 13.88]