

WIKINGO Project Systematic Analysis

Tables & Figures.

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Table 1: Participant characteristics

	[ALL] N=299	N
Age	68.2 (11.3)	299
Sex: Men	210 (70.2%)	299
Tumor level:		299
0-6cm	125 (41.8%)	
7-12cm	147 (49.2%)	
13-15cm	27 (9.03%)	
Tumor stage:		299
0	31 (10.4%)	
I	83 (27.8%)	
II	80 (26.8%)	
III	105 (35.1%)	
Neoadjuvant treatment	231 (77.3%)	299
Type of resection:		299
Abdominoperineal resection	121 (40.5%)	
Anterior resection	141 (47.2%)	
Hartmann	37 (12.4%)	
Perforation	14 (4.68%)	299
Invasion circumferential margin	27 (9.03%)	299
Mesorecto quality:		299
Satisfactory	206 (68.9%)	
Partial	50 (16.7%)	
No-satisfactory	43 (14.4%)	
Recidive	17 (5.69%)	299
Months to recidive	14.0 [1.00;40.0]	299
Metastasis	32 (10.7%)	299
Months to Metastasis	13.0 [1.00;36.5]	299
Exitus	37 (12.4%)	299
Months to exitus	15.0 [1.00;40.5]	299

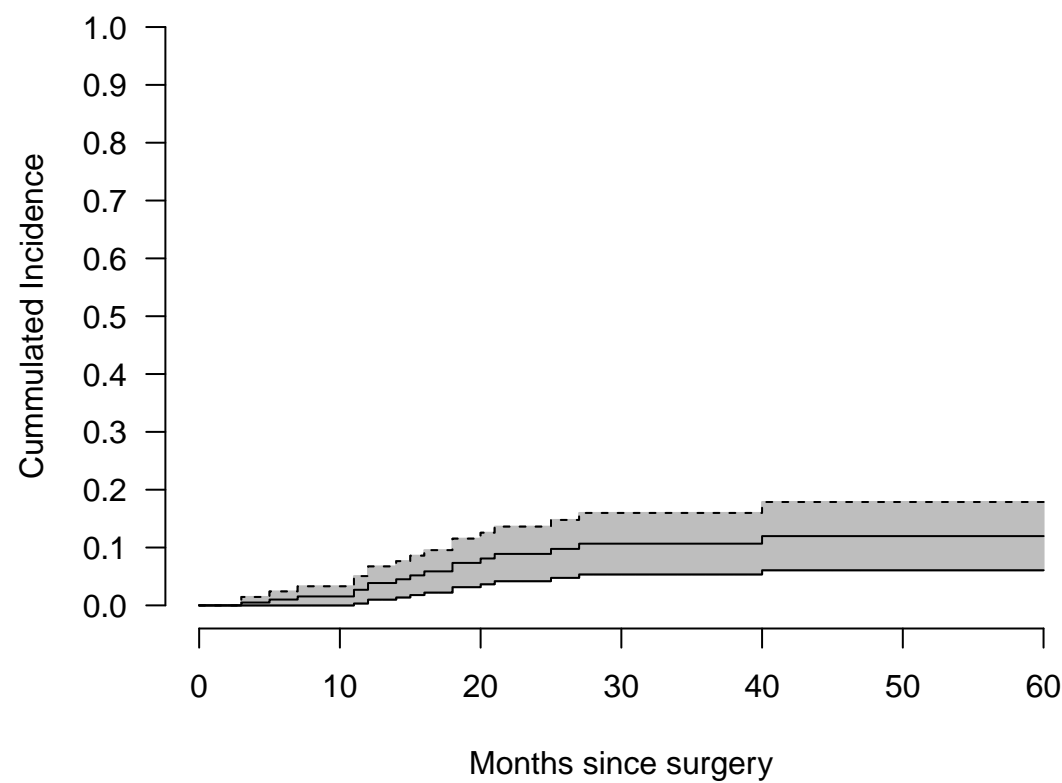
Table 2: According to Local Recurrence

	No event n= 282	Event n= 17	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.82 (1.14)	6.74 (0.98)	0.93 [0.60;1.43]	0.726	1.08 [0.65; 1.81]	0.764	299
Sex: Men	196 (69.5%)	14 (82.4%)	2.15 [0.62;7.49]	0.229	1.80 [0.49; 6.55]	0.373	299
Tumor level:							299
0-6cm	120 (42.6%)	5 (29.4%)	1.31 [0.15;11.2]	0.807	3.63 [0.29;45.40]	0.318	
7-12cm	136 (48.2%)	11 (64.7%)	2.01 [0.26;15.6]	0.503	2.39 [0.28;20.16]	0.422	
Tumor stage:							299
0	31 (11.0%)	0 (0.00%)	0.00 [0.00;.]	0.997	0.00 [0.00; Inf]	0.998	
II	75 (26.6%)	5 (29.4%)	0.74 [0.23;2.44]	0.623	0.68 [0.19; 2.43]	0.547	
III	99 (35.1%)	6 (35.3%)	0.81 [0.26;2.51]	0.716	0.83 [0.24; 2.85]	0.765	
Neoadjuvant treatment	216 (76.6%)	15 (88.2%)	2.29 [0.52;10.0]	0.272	1.64 [0.34; 8.02]	0.539	299
Type of resection:							299
Abdominoperineal resection	117 (41.5%)	4 (23.5%)	0.53 [0.17;1.66]	0.277	0.30 [0.06; 1.45]	0.134	
Hartmann	36 (12.8%)	1 (5.88%)	0.39 [0.05;3.04]	0.371	0.45 [0.05; 4.19]	0.484	
Perforation	14 (4.96%)	0 (0.00%)	0.00 [0.00;.]	0.997	0.00 [0.00; Inf]	0.998	299
Invasion circumferential margin	24 (8.51%)	3 (17.6%)	2.58 [0.74;8.99]	0.137	3.42 [0.74;15.76]	0.115	299
Mesorrecto quality:							299
Partial	47 (16.7%)	3 (17.6%)	0.72 [0.20;2.58]	0.610	0.64 [0.16; 2.61]	0.537	
No-satisfactory	40 (14.2%)	3 (17.6%)	1.13 [0.32;4.07]	0.846	1.07 [0.24; 4.81]	0.934	

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:	299	161	116	80	49	18

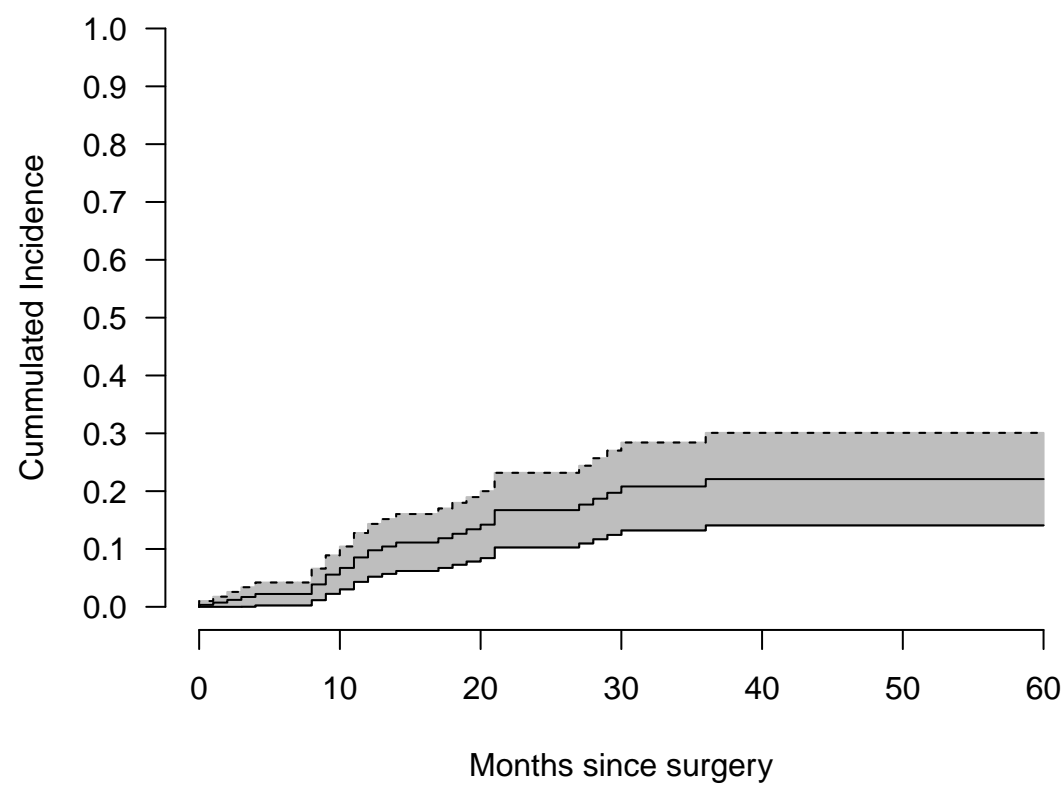
Table 3: According to Metastasis

	No event n= 267	Event n= 32	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.79 (1.15)	7.03 (0.98)	1.24 [0.87;1.75]	0.230	1.28 [0.86; 1.89]	0.22	299
Sex: Men	187 (70.0%)	23 (71.9%)	1.14 [0.53;2.46]	0.739	1.29 [0.58; 2.89]	0.535	299
Tumor level:							299
0-6cm	112 (41.9%)	13 (40.6%)	3.49 [0.46;26.7]	0.229	2.42 [0.25;23.39]	0.445	
7-12cm	129 (48.3%)	18 (56.2%)	3.51 [0.47;26.3]	0.222	3.97 [0.51;30.84]	0.187	
Tumor stage:							299
0	31 (11.6%)	0 (0.00%)	0.00 [0.00;.]	0.997	0.00 [0.00; Inf]	0.996	
II	72 (27.0%)	8 (25.0%)	1.86 [0.56;6.19]	0.310	1.43 [0.42; 4.93]	0.568	
III	85 (31.8%)	20 (62.5%)	4.55 [1.56;13.3]	0.006	3.81 [1.24;11.76]	0.02	
Neoadjuvant treatment	210 (78.7%)	21 (65.6%)	0.56 [0.27;1.15]	0.114	0.89 [0.38; 2.11]	0.791	299
Type of resection:							299
Abdominoperineal resection	107 (40.1%)	14 (43.8%)	1.85 [0.85;4.00]	0.120	1.40 [0.44; 4.40]	0.565	
Hartmann	31 (11.6%)	6 (18.8%)	2.40 [0.90;6.42]	0.081	1.22 [0.39; 3.84]	0.736	
Perforation	8 (3.00%)	6 (18.8%)	3.63 [1.49;8.82]	0.004	2.09 [0.65; 6.75]	0.217	299
Invasion circumferential margin	20 (7.49%)	7 (21.9%)	3.92 [1.69;9.11]	0.001	2.18 [0.77; 6.18]	0.143	299
Mesorecto quality:							299
Partial	44 (16.5%)	6 (18.8%)	0.88 [0.35;2.22]	0.789	0.79 [0.30; 2.09]	0.639	
No-satisfactory	36 (13.5%)	7 (21.9%)	1.59 [0.67;3.79]	0.292	0.74 [0.25; 2.17]	0.58	

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:	299	153	108	75	45	17

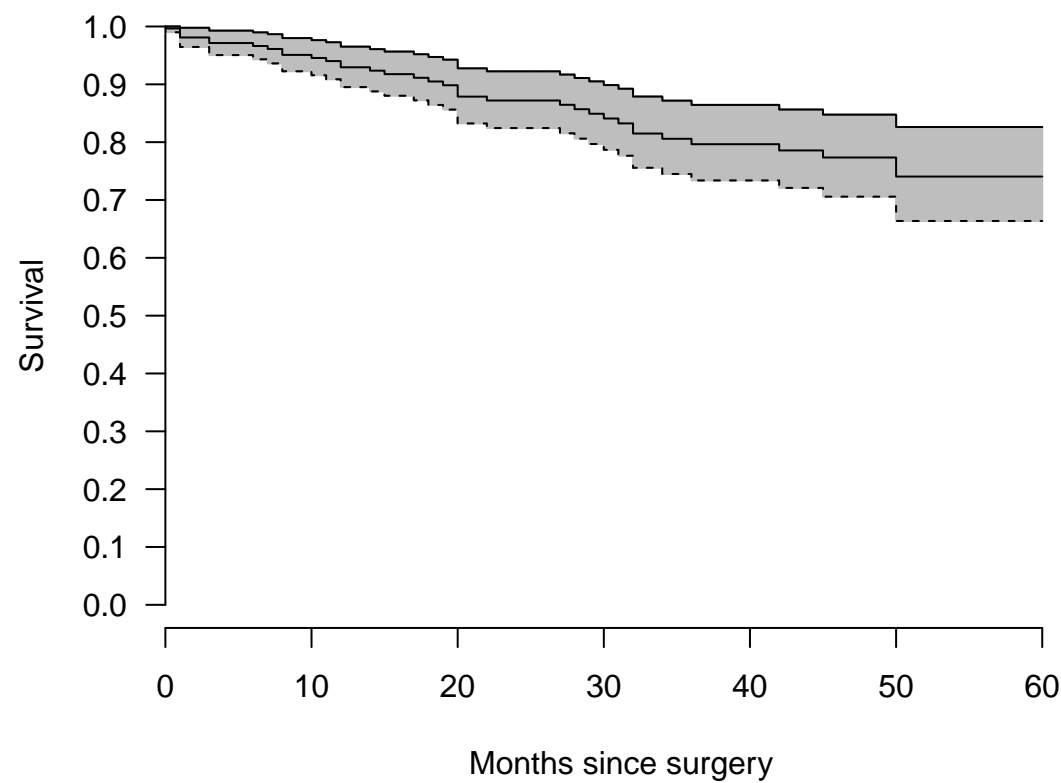
Table 4: According to Exitus

	No event n= 262	Event n= 37	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.76 (1.14)	7.22 (1.01)	1.56 [1.09;2.23]	0.014	1.56 [1.03; 2.36]	0.037	299
Sex: Men	182 (69.5%)	28 (75.7%)	1.45 [0.68;3.07]	0.333	1.55 [0.71; 3.37]	0.272	299
Tumor level:							299
0-6cm	107 (40.8%)	18 (48.6%)	2.51 [0.58;10.8]	0.217	2.33 [0.41;13.12]	0.339	
7-12cm	130 (49.6%)	17 (45.9%)	1.61 [0.37;6.97]	0.525	1.60 [0.35; 7.20]	0.541	
Tumor stage:							299
0	30 (11.5%)	1 (2.70%)	0.29 [0.04;2.38]	0.251	0.28 [0.03; 2.35]	0.241	
II	72 (27.5%)	8 (21.6%)	1.07 [0.39;2.96]	0.893	0.78 [0.27; 2.25]	0.646	
III	84 (32.1%)	21 (56.8%)	2.71 [1.15;6.39]	0.023	2.17 [0.88; 5.38]	0.093	
Neoadjuvant treatment	204 (77.9%)	27 (73.0%)	0.80 [0.39;1.66]	0.553	1.29 [0.57; 2.95]	0.544	299
Type of resection:							299
Abdominoperineal resection	105 (40.1%)	16 (43.2%)	2.14 [1.03;4.48]	0.043	0.99 [0.33; 2.96]	0.982	
Hartmann	29 (11.1%)	8 (21.6%)	3.69 [1.50;9.07]	0.004	2.15 [0.74; 6.30]	0.162	
Perforation	10 (3.82%)	4 (10.8%)	1.84 [0.65;5.22]	0.250	0.96 [0.29; 3.18]	0.945	299
Invasion circumferential margin	20 (7.63%)	7 (18.9%)	2.89 [1.26;6.58]	0.012	3.06 [1.12; 8.37]	0.029	299
Mesorecto quality:							299
Partial	40 (15.3%)	10 (27.0%)	1.34 [0.62;2.90]	0.457	1.18 [0.52; 2.70]	0.687	
No-satisfactory	35 (13.4%)	8 (21.6%)	1.68 [0.74;3.85]	0.217	0.94 [0.36; 2.51]	0.909	

Reference categories:

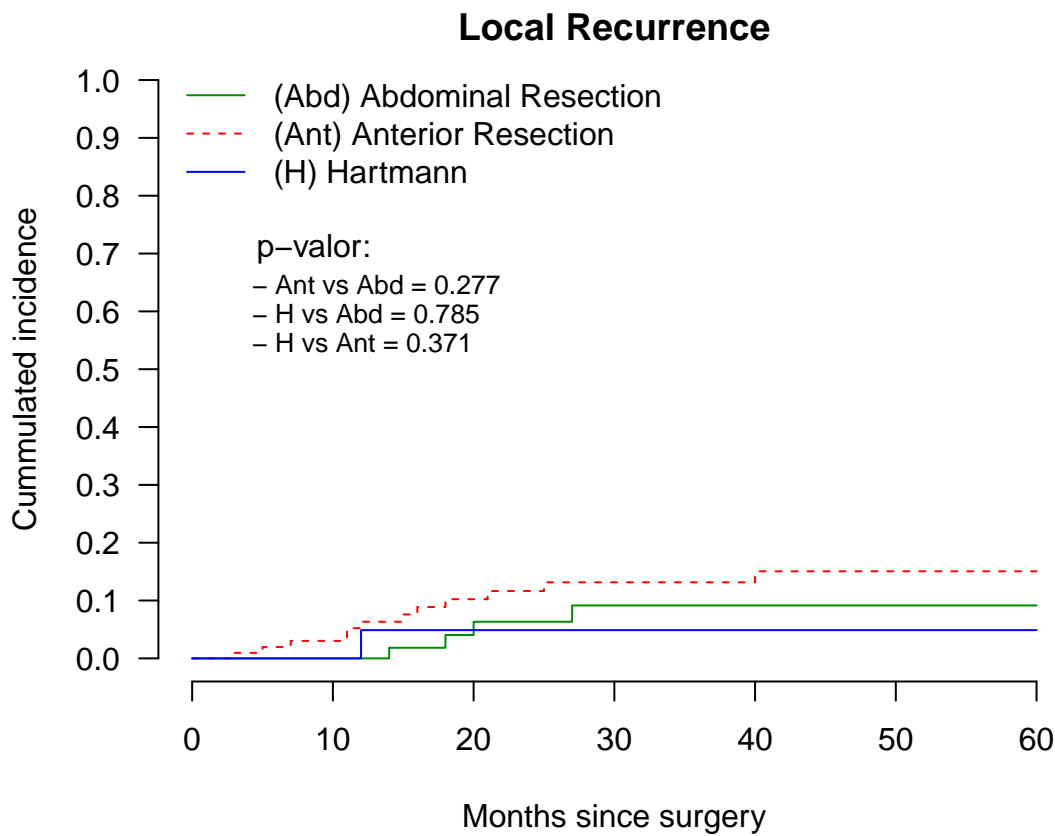
- Age, a decade
- Sex, Women
- Tumor level, 13-15cm
- Tumor stage: 1
- Neoadjuvant treatment, No
- Type of resection, Anterior resection
- Perforation, No
- Invasion circumferential margin, No
- Mesorecto Quality, Satisfactory

Figure 3: Exitus



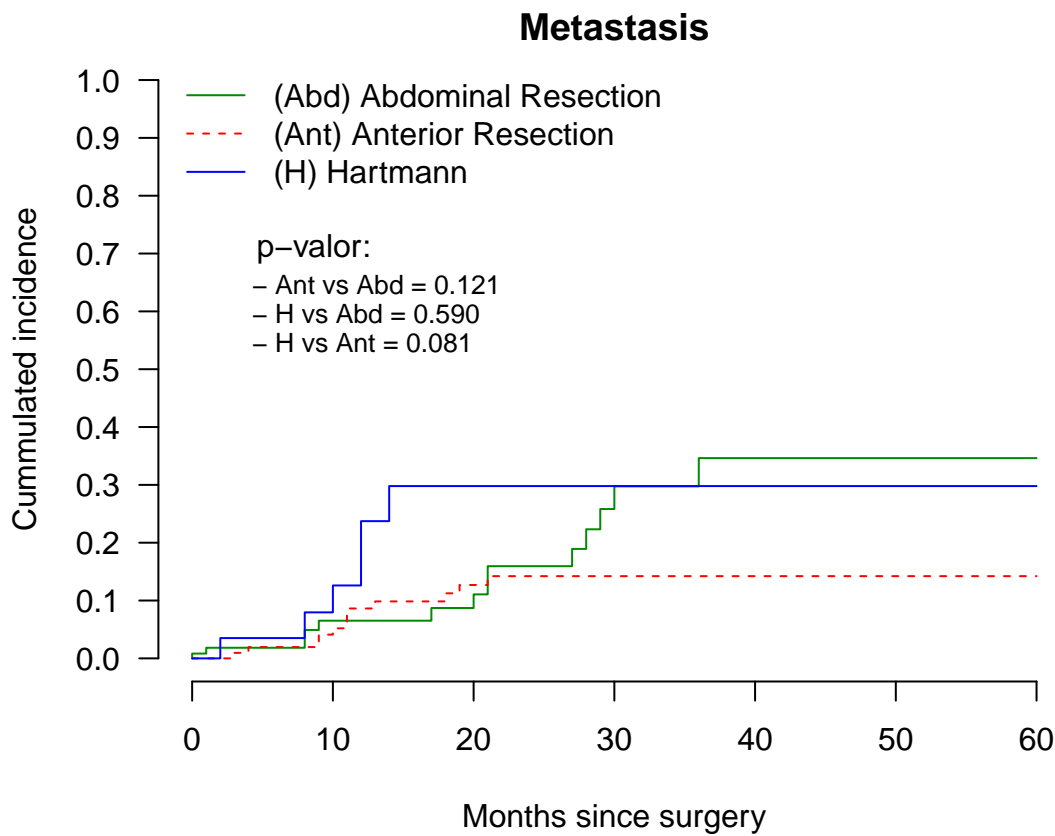
Months	0	12	24	36	48	60
N:	299	166	122	83	50	18

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



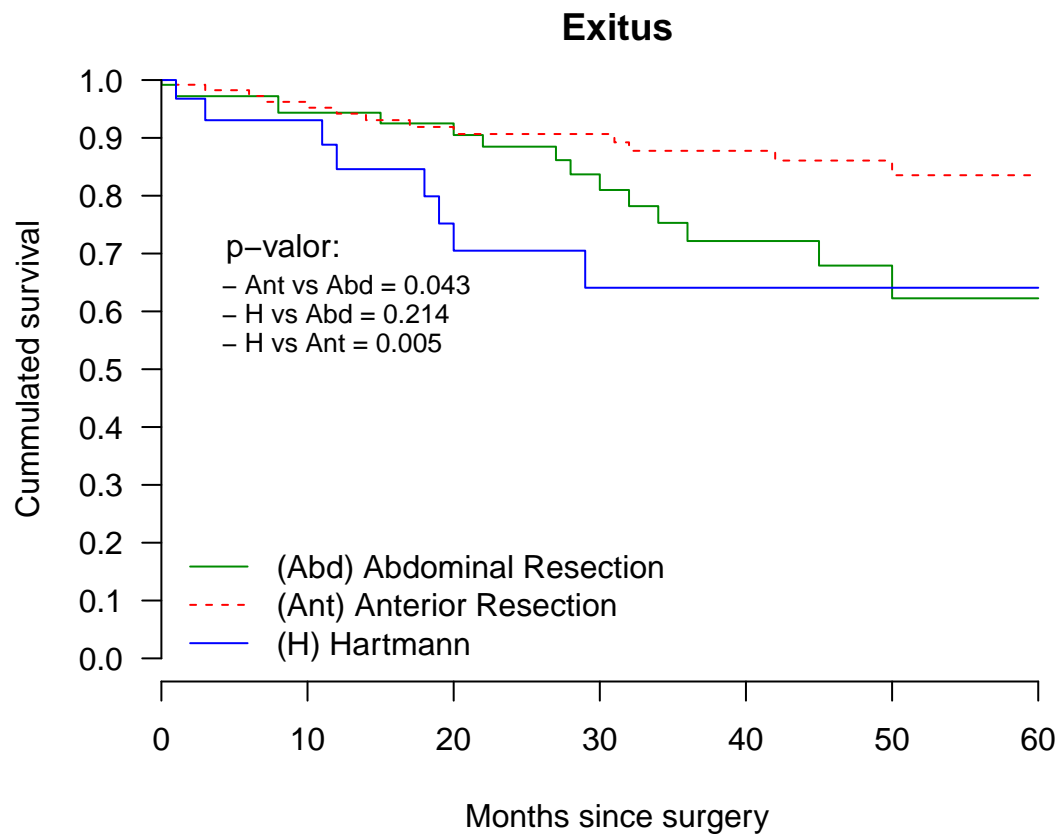
Tiempo	0	12	24	36	48	60
Abd	121	61	37	23	13	3
Ant	141	90	67	57	35	14
H	37	21	12	3	1	1

Figure 5: Metastasis, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	121	58	35	21	11	3
Ant	141	86	62	54	33	13
H	37	19	11	4	1	1

Figure 6: Survival, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	121	61	39	24	13	3
Ant	141	93	70	58	36	14
H	37	21	13	4	1	1

Table 5: Incidence by outcome [95% CI]

Months	Local Recurrence	Metastasis	Exitus
12	3.79 [6.51; 0.99]	9.31 [13.35; 5.08]	7.05 [10.47; 3.5]
23	8.51 [12.72; 4.1]	15.4 [20.67; 9.77]	12.8 [17.56; 7.77]
36	10.12 [14.77; 5.22]	19.82 [25.97; 13.15]	20.35 [26.61; 13.56]
47	11.29 [16.37; 5.9]	19.82 [25.97; 13.15]	22.66 [29.41; 15.25]
60	11.29 [16.37; 5.9]	19.82 [25.97; 13.15]	25.95 [33.63; 17.38]