

WIKINGO Project Systematic Analysis

Tables & Figures.

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Table 1: Participant characteristics

	[ALL] N=262	N
Age	68.7 (11.1)	262
Sex: Men	179 (68.3%)	262
Tumor level:		262
0-6cm	127 (48.5%)	
7-12cm	120 (45.8%)	
13-15cm	15 (5.73%)	
Tumor stage:		262
0	34 (13.0%)	
I	68 (26.0%)	
II	87 (33.2%)	
III	73 (27.9%)	
Neoadjuvant treatment	204 (77.9%)	262
Type of resection:		262
Abdominoperineal resection	77 (29.4%)	
Anterior resection	171 (65.3%)	
Hartmann	14 (5.34%)	
Perforation	18 (6.87%)	262
Invasion circumferential margin	30 (11.5%)	262
Mesorecto quality:		261
Satisfactory	204 (78.2%)	
Partial	18 (6.90%)	
No-satisfactory	39 (14.9%)	
Recidive	7 (2.67%)	262
Months to recidive	13.0 [2.00;36.0]	262
Metastasis	30 (11.5%)	262
Months to Metastasis	12.5 [2.00;34.0]	262
Exitus	32 (12.2%)	262
Months to exitus	13.5 [2.00;36.8]	262

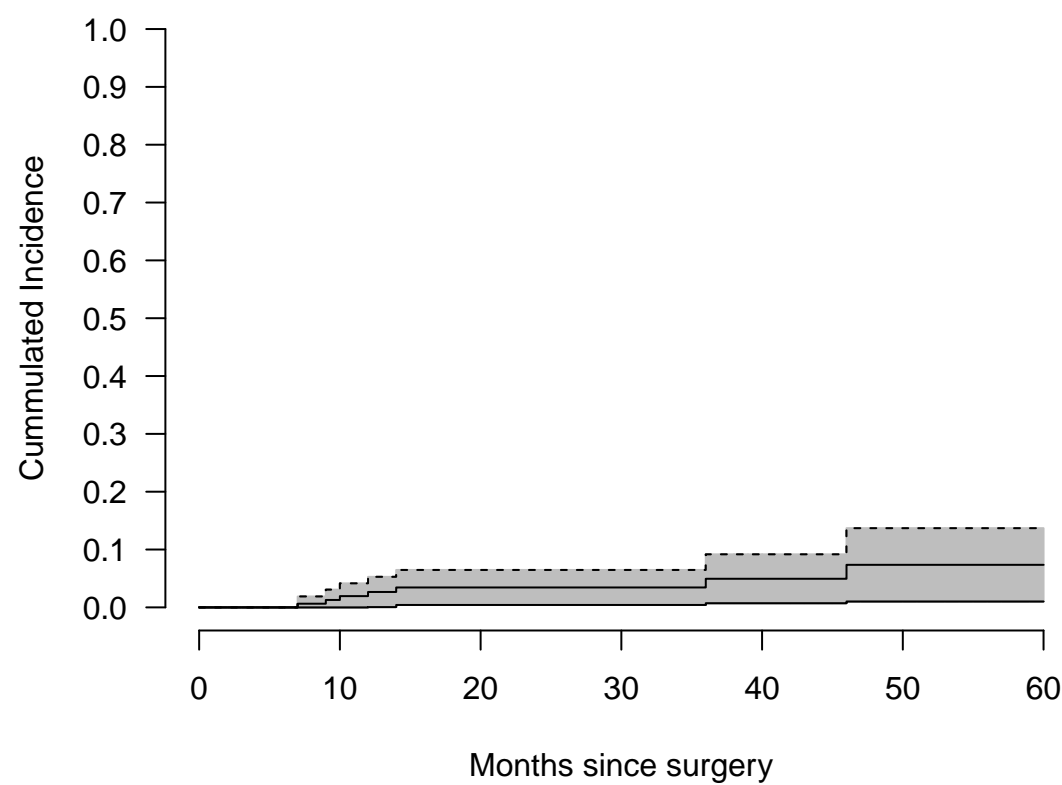
Table 2: According to Local Recurrence

	No event n= 255	Event n= 7	Crude HR	p-value	Multivariate HR
Age (10y)	6.86 (1.11)	7.03 (1.40)	1.23 [0.57;2.68]	0.598	3.38 [0.93; 12.29]
Sex: Men	173 (67.8%)	6 (85.7%)	2.25 [0.27;18.7]	0.453	18.71 [0.32; 1079.60]
Tumor level:					
0-6cm	125 (49.0%)	2 (28.6%)	15086547 [0.00;.]	0.999	2625772786.99 [105603979.87;652880]
7-12cm	115 (45.1%)	5 (71.4%)	51146496 [0.00;.]	0.999	NA [NA; NA]
Tumor stage:					
0	34 (13.3%)	0 (0.00%)	1.00 [0.00;.]	1.000	0.27 [0.00; Inf]
II	86 (33.7%)	1 (14.3%)	91467540 [0.00;.]	0.999	1461731591.60 [0.00; Inf]
III	67 (26.3%)	6 (85.7%)	612459378 [0.00;.]	0.998	7105328171.73 [0.00; Inf]
Neoadjuvant treatment	198 (77.6%)	6 (85.7%)	1.20 [0.14;10.1]	0.866	6.56 [0.48; 88.69]
Type of resection:					
Abdominoperineal resection	76 (29.8%)	1 (14.3%)	0.35 [0.04;2.97]	0.333	0.39 [0.01; 16.62]
Hartmann	13 (5.10%)	1 (14.3%)	3.05 [0.36;26.2]	0.309	3.73 [0.10; 139.04]
Perforation	16 (6.27%)	2 (28.6%)	6.56 [1.25;34.5]	0.026	1.30 [0.01; 148.57]
Invasion circumferential margin	26 (10.2%)	4 (57.1%)	11.1 [2.46;50.1]	0.002	6.57 [0.30; 142.01]
Mesorrecto quality:					
Partial	18 (7.09%)	0 (0.00%)	0.00 [0.00;.]	0.999	0.00 [0.00; Inf]
No-satisfactory	35 (13.8%)	4 (57.1%)	7.68 [1.71;34.5]	0.008	8.66 [0.43; 175.92]

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:	262	135	94	64	34	18

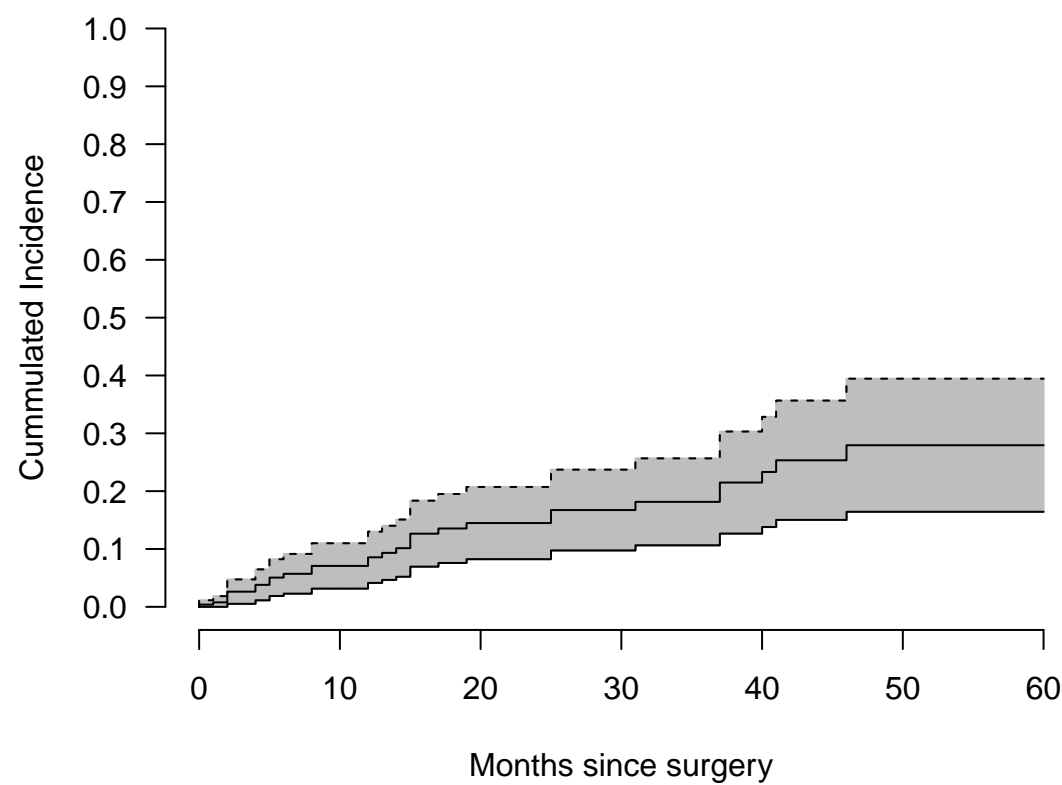
Table 3: According to Metastasis

	No event n= 232	Event n= 30	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.87 (1.12)	6.84 (1.09)	1.00 [0.71;1.41]	0.994	0.95 [0.65; 1.39]	0.799	262
Sex: Men	158 (68.1%)	21 (70.0%)	0.93 [0.42;2.03]	0.853	0.89 [0.39; 2.03]	0.776	262
Tumor level:							262
0-6cm	109 (47.0%)	18 (60.0%)	0.39 [0.11;1.32]	0.130	0.32 [0.08; 1.30]	0.11	
7-12cm	111 (47.8%)	9 (30.0%)	0.24 [0.06;0.89]	0.033	0.15 [0.03; 0.62]	0.009	
Tumor stage:							262
0	32 (13.8%)	2 (6.67%)	0.75 [0.15;3.88]	0.733	0.64 [0.12; 3.53]	0.612	
II	76 (32.8%)	11 (36.7%)	1.93 [0.67;5.57]	0.222	1.59 [0.53; 4.78]	0.41	
III	61 (26.3%)	12 (40.0%)	2.38 [0.84;6.76]	0.103	2.35 [0.76; 7.25]	0.137	
Neoadjuvant treatment	179 (77.2%)	25 (83.3%)	1.15 [0.44;3.02]	0.770	0.83 [0.27; 2.56]	0.749	262
Type of resection:							262
Abdominoperineal resection	66 (28.4%)	11 (36.7%)	1.32 [0.61;2.85]	0.477	1.28 [0.43; 3.80]	0.659	
Hartmann	11 (4.74%)	3 (10.0%)	3.32 [0.96;11.4]	0.057	6.33 [1.38;29.04]	0.018	
Perforation	15 (6.47%)	3 (10.0%)	1.68 [0.51;5.54]	0.398	0.97 [0.18; 5.18]	0.969	262
Invasion circumferential margin	24 (10.3%)	6 (20.0%)	1.92 [0.79;4.71]	0.152	1.31 [0.42; 4.09]	0.642	262
Mesorecto quality:							261
Partial	17 (7.36%)	1 (3.33%)	0.31 [0.04;2.30]	0.251	0.19 [0.02; 1.53]	0.12	
No-satisfactory	32 (13.9%)	7 (23.3%)	1.85 [0.79;4.34]	0.157	1.24 [0.39; 4.01]	0.713	

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:	262	131	90	61	30	17

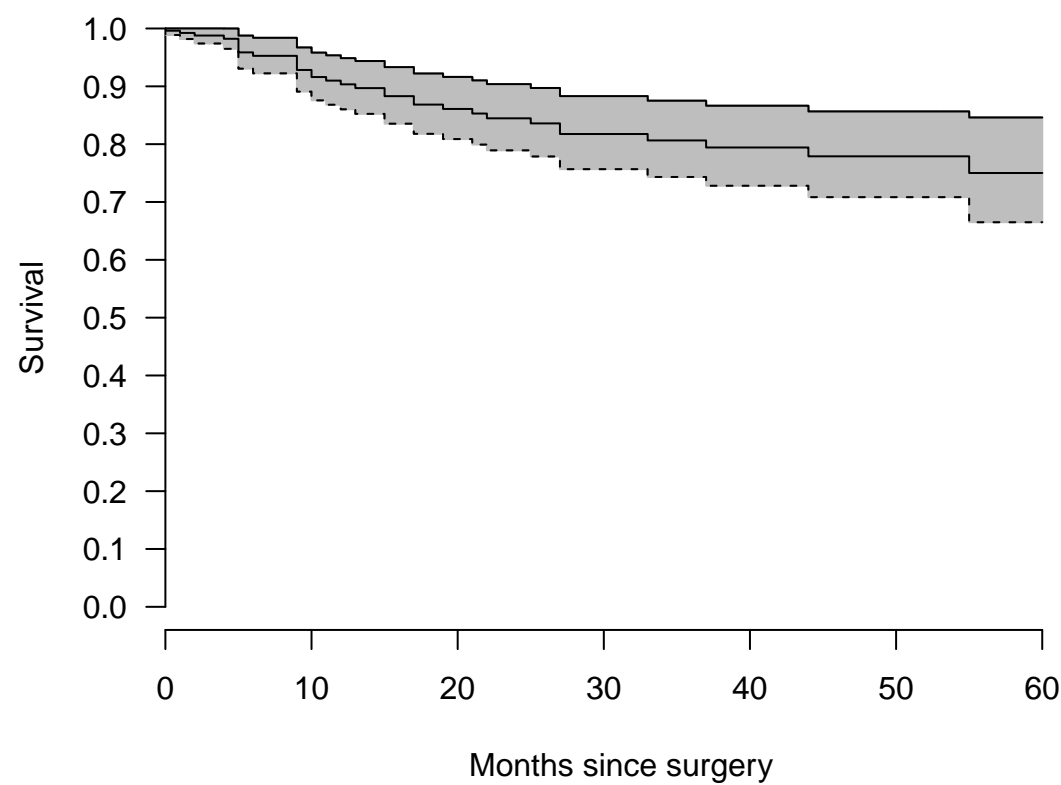
Table 4: According to Exitus

	No event n= 230	Event n= 32	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.80 (1.12)	7.34 (0.94)	1.68 [1.13;2.48]	0.010	1.45 [0.94; 2.23]	0.095	262
Sex: Men	155 (67.4%)	24 (75.0%)	1.15 [0.52;2.56]	0.732	1.27 [0.52; 3.08]	0.604	262
Tumor level:							262
0-6cm	111 (48.3%)	16 (50.0%)	1.07 [0.14;8.06]	0.950	1.72 [0.21;14.33]	0.617	
7-12cm	105 (45.7%)	15 (46.9%)	1.32 [0.17;10.0]	0.789	0.72 [0.09; 5.98]	0.76	
Tumor stage:							262
0	32 (13.9%)	2 (6.25%)	0.38 [0.08;1.75]	0.217	0.53 [0.11; 2.52]	0.427	
II	79 (34.3%)	8 (25.0%)	0.70 [0.28;1.77]	0.447	0.48 [0.17; 1.31]	0.15	
III	61 (26.5%)	12 (37.5%)	1.19 [0.51;2.75]	0.687	0.98 [0.35; 2.73]	0.966	
Neoadjuvant treatment	182 (79.1%)	22 (68.8%)	0.48 [0.23;1.01]	0.054	0.54 [0.21; 1.39]	0.202	262
Type of resection:							262
Abdominoperineal resection	70 (30.4%)	7 (21.9%)	0.68 [0.28;1.61]	0.379	0.39 [0.12; 1.28]	0.12	
Hartmann	8 (3.48%)	6 (18.8%)	5.01 [1.99;12.6]	0.001	5.05 [1.59;16.05]	0.006	
Perforation	15 (6.52%)	3 (9.38%)	1.42 [0.43;4.66]	0.565	1.52 [0.30; 7.80]	0.614	262
Invasion circumferential margin	23 (10.0%)	7 (21.9%)	2.17 [0.94;5.02]	0.071	1.37 [0.43; 4.32]	0.596	262
Mesorecto quality:							261
Partial	15 (6.55%)	3 (9.38%)	0.96 [0.29;3.23]	0.952	0.72 [0.18; 2.90]	0.647	
No-satisfactory	32 (14.0%)	7 (21.9%)	1.72 [0.73;4.02]	0.213	1.75 [0.56; 5.47]	0.335	

Reference categories:

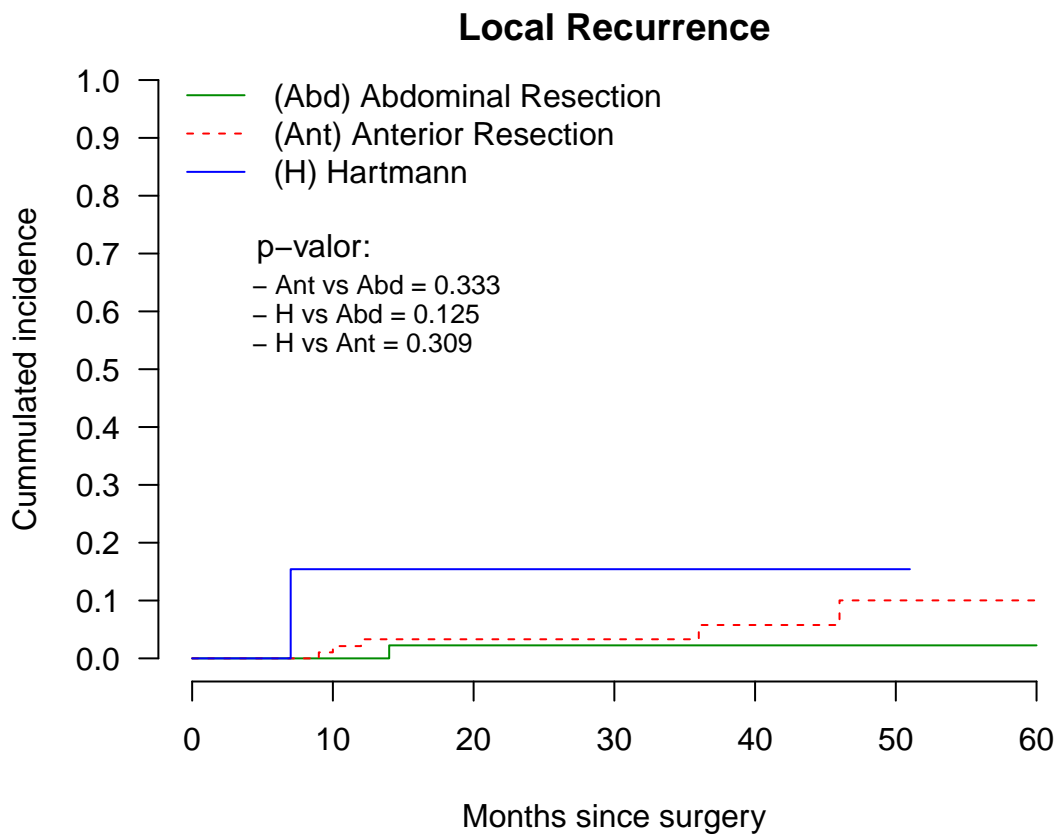
- Age, a decade
- Sex, Women
- Tumor level, 13-15cm
- Tumor stage: 1
- Neoadjuvant treatment, No
- Type of resection, Anterior resection
- Perforation, No
- Invasion circumferential margin, No
- Mesorecto Quality, Satisfactory

Figure 3: Exitus



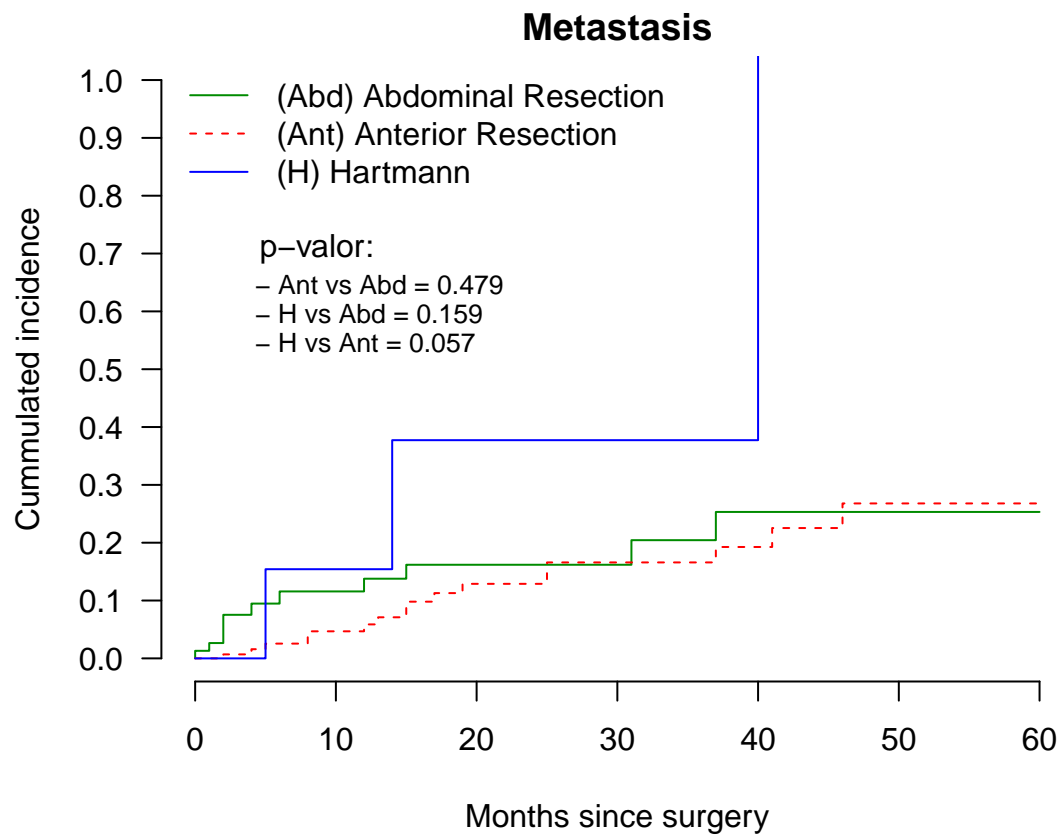
Months	0	12	24	36	48	60
N:	262	138	96	66	36	19

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



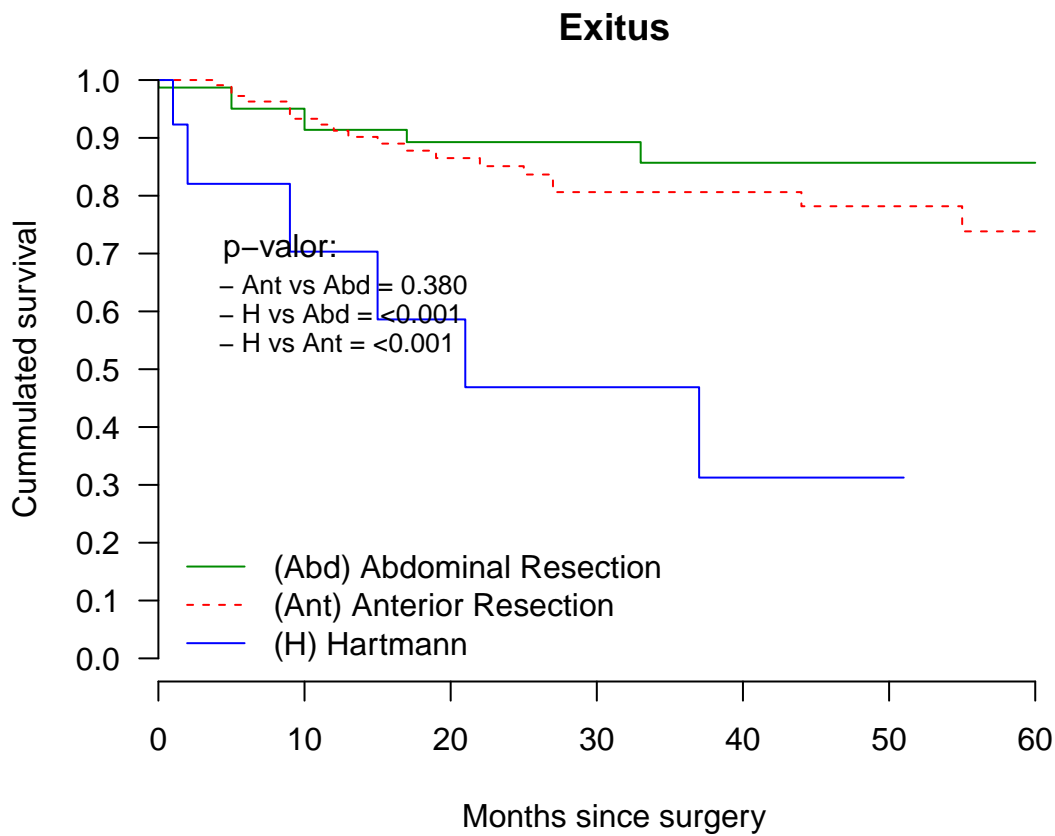
Tiempo	0	12	24	36	48	60
Abd	77	49	36	23	13	6
Ant	171	85	58	41	20	12
H	14	6	3	3	1	0

Figure 5: Metastasis, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	77	46	36	21	11	4
Ant	171	84	55	40	19	13
H	14	5	2	2	0	0

Figure 6: Survival, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	77	49	37	23	13	6
Ant	171	87	59	42	22	13
H	14	6	3	3	1	0

Table 5: Incidence by outcome [95% CI]

Months	Local Recurrence	Metastasis	Exitus
12	2.63 [5.14; 0.05]	8.21 [12.18; 4.05]	9.65 [13.96; 5.13]
24	3.38 [6.26; 0.42]	13.48 [18.72; 7.91]	15.53 [21.06; 9.62]
36	4.83 [8.76; 0.72]	16.6 [22.63; 10.1]	19.35 [25.67; 12.5]
47	7.09 [12.8; 1.01]	24.37 [32.59; 15.16]	22.1 [29.15; 14.35]
60	7.09 [12.8; 1.01]	24.37 [32.59; 15.16]	24.99 [33.49; 15.4]