

WIKINGO Project Systematic Analysis

Tables & Figures.

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Table 1: Participant characteristics

	[ALL] N=190	N
Age	68.7 (11.4)	190
Sex: Men	134 (70.5%)	190
Tumor level:		190
0-6cm	68 (35.8%)	
7-12cm	107 (56.3%)	
13-15cm	15 (7.89%)	
Tumor stage:		190
0	17 (8.95%)	
I	45 (23.7%)	
II	70 (36.8%)	
III	58 (30.5%)	
Neoadjuvant treatment	104 (54.7%)	190
Type of resection:		190
Abdominoperineal resection	35 (18.4%)	
Anterior resection	151 (79.5%)	
Hartmann	4 (2.11%)	
Perforation	7 (3.68%)	190
Invasion circumferential margin	19 (10.0%)	190
Mesorecto quality:		189
Satisfactory	156 (82.5%)	
Partial	28 (14.8%)	
No-satisfactory	5 (2.65%)	
Recidive	13 (6.84%)	190
Months to recidive	27.0 [8.00;46.0]	190
Metastasis	27 (14.2%)	190
Months to Metastasis	26.5 [8.00;43.8]	190
Exitus	36 (18.9%)	190
Months to exitus	30.0 [8.00;46.8]	190

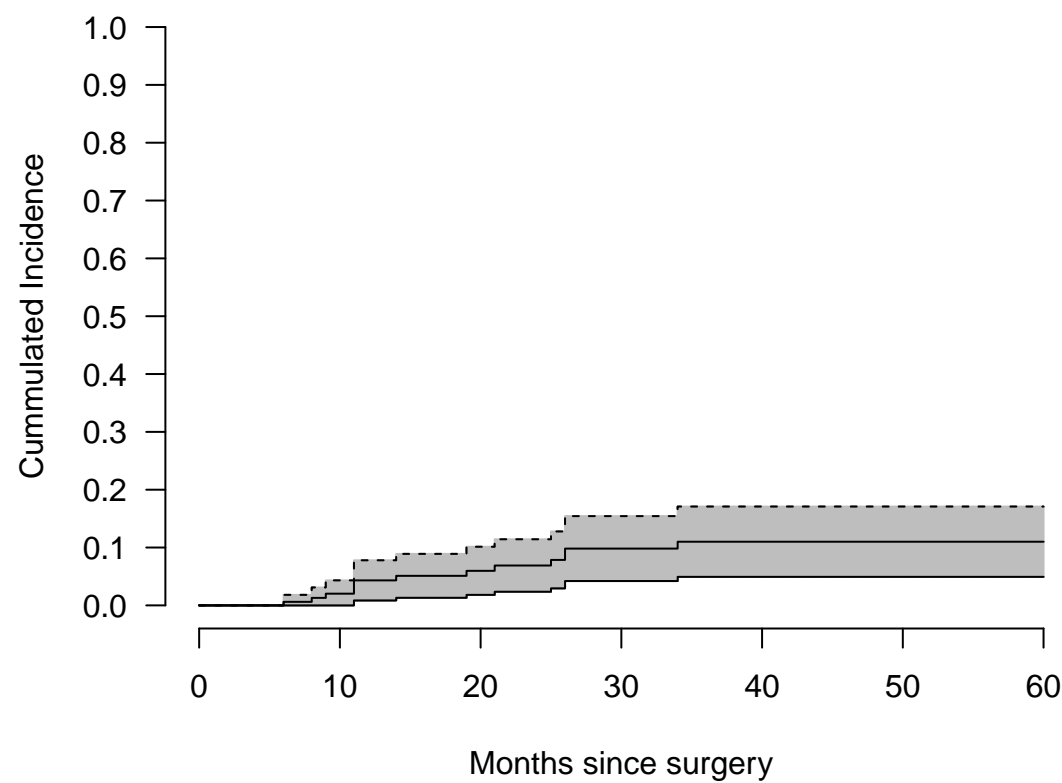
Table 2: According to Local Recurrence

	No event n= 177	Event n= 13	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.88 (1.14)	6.72 (1.19)	0.98 [0.61;1.57]	0.926	0.90 [0.50; 1.62]	0.718	190
Sex: Men	123 (69.5%)	11 (84.6%)	2.25 [0.50;10.2]	0.290	1.28 [0.25; 6.57]	0.767	190
Tumor level:							190
0-6cm	59 (33.3%)	9 (69.2%)	2.67 [0.34;21.1]	0.351	2.19 [0.20; 24.17]	0.521	
7-12cm	104 (58.8%)	3 (23.1%)	0.52 [0.05;5.02]	0.574	0.55 [0.05; 5.94]	0.625	
Tumor stage:							190
0	16 (9.04%)	1 (7.69%)	2.91 [0.18;46.6]	0.449	0.83 [0.04; 17.62]	0.902	
II	65 (36.7%)	5 (38.5%)	3.02 [0.35;25.9]	0.312	1.58 [0.16; 15.29]	0.691	
III	52 (29.4%)	6 (46.2%)	4.47 [0.54;37.2]	0.165	2.47 [0.26; 23.80]	0.434	
Neoadjuvant treatment	98 (55.4%)	6 (46.2%)	0.85 [0.29;2.53]	0.769	0.42 [0.12; 1.50]	0.18	190
Type of resection:							190
Abdominoperineal resection	29 (16.4%)	6 (46.2%)	4.61 [1.54;13.8]	0.006	1.02 [0.13; 8.27]	0.986	
Hartmann	4 (2.26%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	1	
Perforation	2 (1.13%)	5 (38.5%)	23.3 [7.27;74.5]	<0.001	28.91 [3.58;233.34]	0.002	190
Invasion circumferential margin	16 (9.04%)	3 (23.1%)	3.67 [1.01;13.4]	0.049	0.40 [0.04; 4.01]	0.434	190
Mesorecto quality:							189
Partial	23 (13.1%)	5 (38.5%)	3.05 [0.99;9.34]	0.051	2.30 [0.58; 9.14]	0.238	
No-satisfactory	5 (2.84%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	0.998	

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:	190	129	104	78	44	28

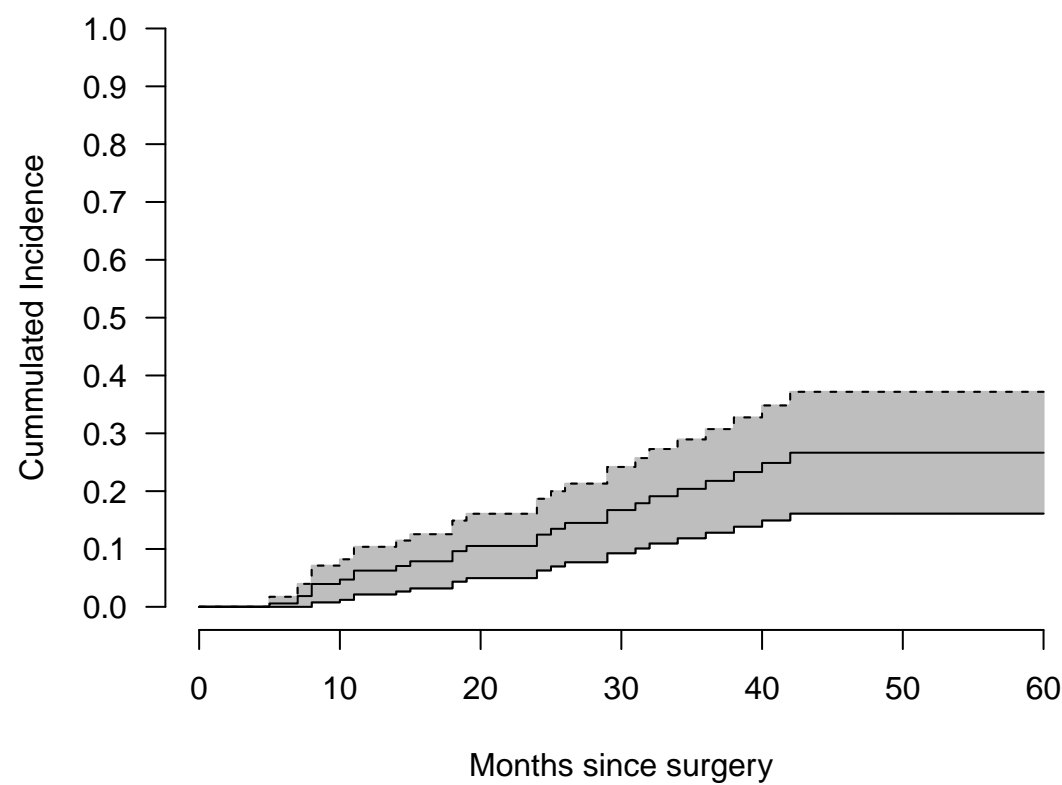
Table 3: According to Metastasis

	No event n= 163	Event n= 27	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.89 (1.09)	6.70 (1.42)	1.00 [0.72;1.39]	0.996	0.94 [0.66; 1.34]	0.733	190
Sex: Men	111 (68.1%)	23 (85.2%)	2.44 [0.84;7.05]	0.100	2.16 [0.67; 6.93]	0.195	190
Tumor level:							190
0-6cm	53 (32.5%)	15 (55.6%)	2.31 [0.53;10.1]	0.267	2.91 [0.53;15.97]	0.22	
7-12cm	97 (59.5%)	10 (37.0%)	0.90 [0.20;4.09]	0.887	1.01 [0.20; 5.03]	0.99	
Tumor stage:							190
0	16 (9.82%)	1 (3.70%)	2.89 [0.18;46.2]	0.453	1.98 [0.12;33.53]	0.636	
II	61 (37.4%)	9 (33.3%)	5.65 [0.72;44.6]	0.101	3.85 [0.46;31.99]	0.212	
III	42 (25.8%)	16 (59.3%)	13.8 [1.82;104]	0.011	12.10 [1.53;95.52]	0.018	
Neoadjuvant treatment	91 (55.8%)	13 (48.1%)	0.95 [0.45;2.02]	0.891	0.57 [0.23; 1.42]	0.228	190
Type of resection:							190
Abdominoperineal resection	29 (17.8%)	6 (22.2%)	1.64 [0.66;4.10]	0.290	1.19 [0.25; 5.61]	0.822	
Hartmann	3 (1.84%)	1 (3.70%)	3.98 [0.51;30.9]	0.186	5.73 [0.56;59.19]	0.143	
Perforation	4 (2.45%)	3 (11.1%)	3.72 [1.11;12.4]	0.033	2.49 [0.37;16.79]	0.348	190
Invasion circumferential margin	15 (9.20%)	4 (14.8%)	2.27 [0.78;6.59]	0.130	0.57 [0.10; 3.18]	0.521	190
Mesorecto quality:							189
Partial	21 (12.9%)	7 (26.9%)	1.89 [0.79;4.51]	0.152	1.12 [0.43; 2.94]	0.821	
No-satisfactory	5 (3.07%)	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 2: Metastasis



Months	0	12	24	36	48	60
N:	190	128	100	70	40	27

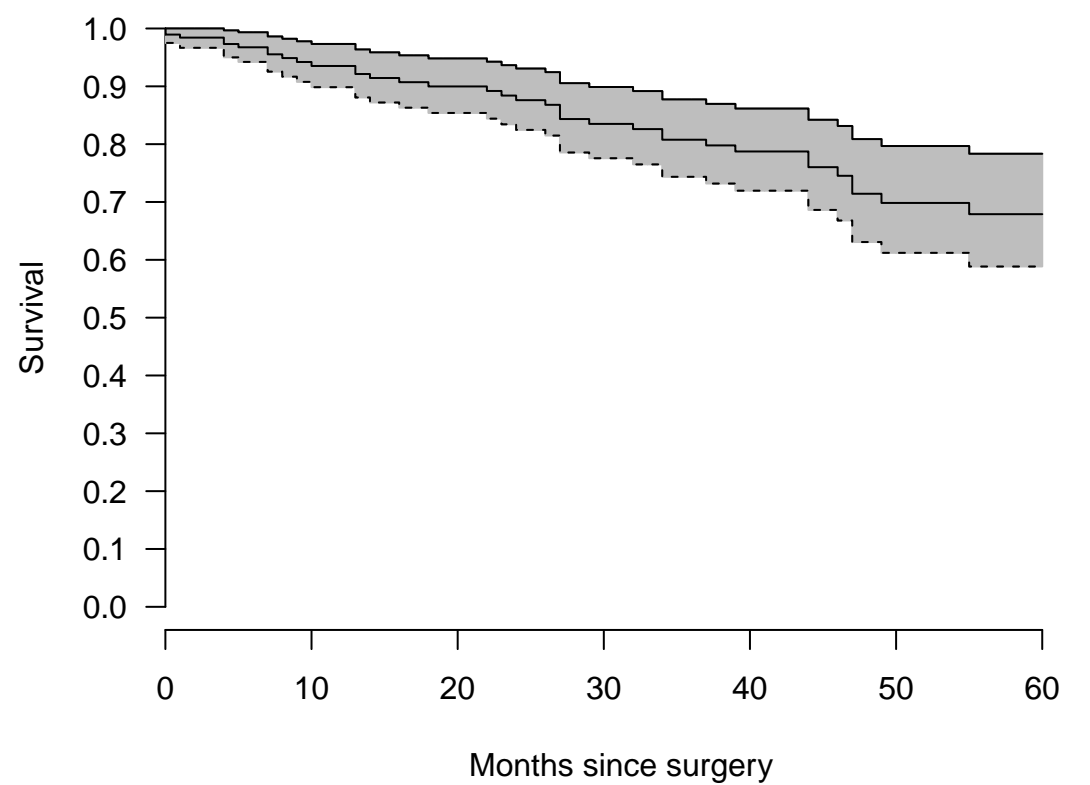
Table 4: According to Exitus

	No event n= 154	Event n= 36	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.73 (1.12)	7.46 (1.01)	1.91 [1.35;2.71]	<0.001	2.15 [1.39; 3.33]	<0.001	190
Sex: Men	108 (70.1%)	26 (72.2%)	1.12 [0.54;2.32]	0.765	0.96 [0.41; 2.22]	0.918	190
Tumor level:							190
0-6cm	52 (33.8%)	16 (44.4%)	2.32 [0.53;10.1]	0.263	2.32 [0.39;13.89]	0.358	
7-12cm	89 (57.8%)	18 (50.0%)	1.66 [0.38;7.14]	0.499	1.50 [0.32; 7.18]	0.608	
Tumor stage:							190
0	15 (9.74%)	2 (5.56%)	0.86 [0.18;4.13]	0.847	0.98 [0.19; 5.10]	0.979	
II	57 (37.0%)	13 (36.1%)	1.15 [0.46;2.88]	0.766	0.73 [0.27; 1.96]	0.535	
III	44 (28.6%)	14 (38.9%)	1.49 [0.60;3.68]	0.392	0.71 [0.26; 1.94]	0.505	
Neoadjuvant treatment	89 (57.8%)	15 (41.7%)	0.72 [0.37;1.40]	0.330	0.84 [0.39; 1.80]	0.655	190
Type of resection:							190
Abdominoperineal resection	25 (16.2%)	10 (27.8%)	2.01 [0.96;4.20]	0.062	0.41 [0.10; 1.76]	0.232	
Hartmann	3 (1.95%)	1 (2.78%)	2.85 [0.37;21.7]	0.313	1.46 [0.15;14.37]	0.746	
Perforation	2 (1.30%)	5 (13.9%)	4.73 [1.83;12.3]	0.001	3.09 [0.71;13.51]	0.134	190
Invasion circumferential margin	9 (5.84%)	10 (27.8%)	4.65 [2.24;9.69]	<0.001	3.69 [1.14;11.95]	0.03	190
Mesorecto quality:							189
Partial	20 (13.0%)	8 (22.9%)	1.42 [0.65;3.14]	0.382	1.39 [0.61; 3.15]	0.433	
No-satisfactory	5 (3.25%)	0 (0.00%)	0.00 [0.00;.]	0.997	0.00 [0.00; Inf]	0.997	

Reference categories:

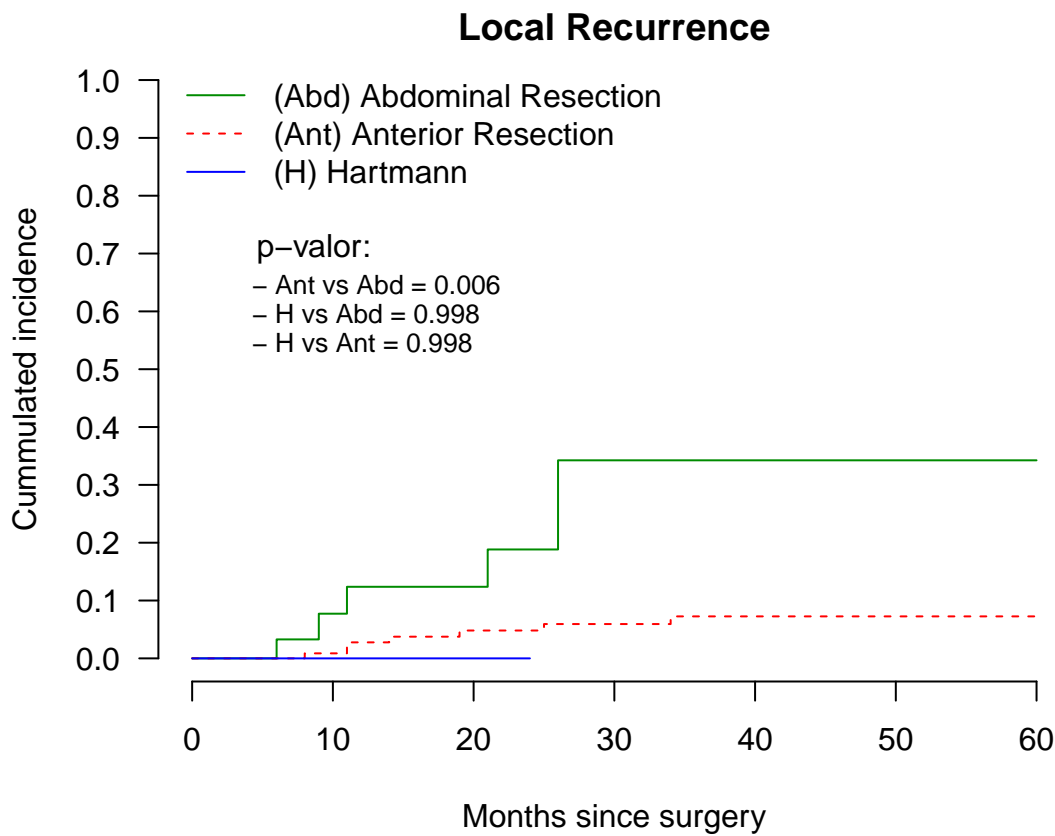
- Age, a decade
- Sex, Women
- Tumor level, 13-15cm
- Tumor stage: 1
- Neoadjuvant treatment, No
- Type of resection, Anterior resection
- Perforation, No
- Invasion circumferential margin, No
- Mesorecto Quality, Satisfactory

Figure 3: Exitus



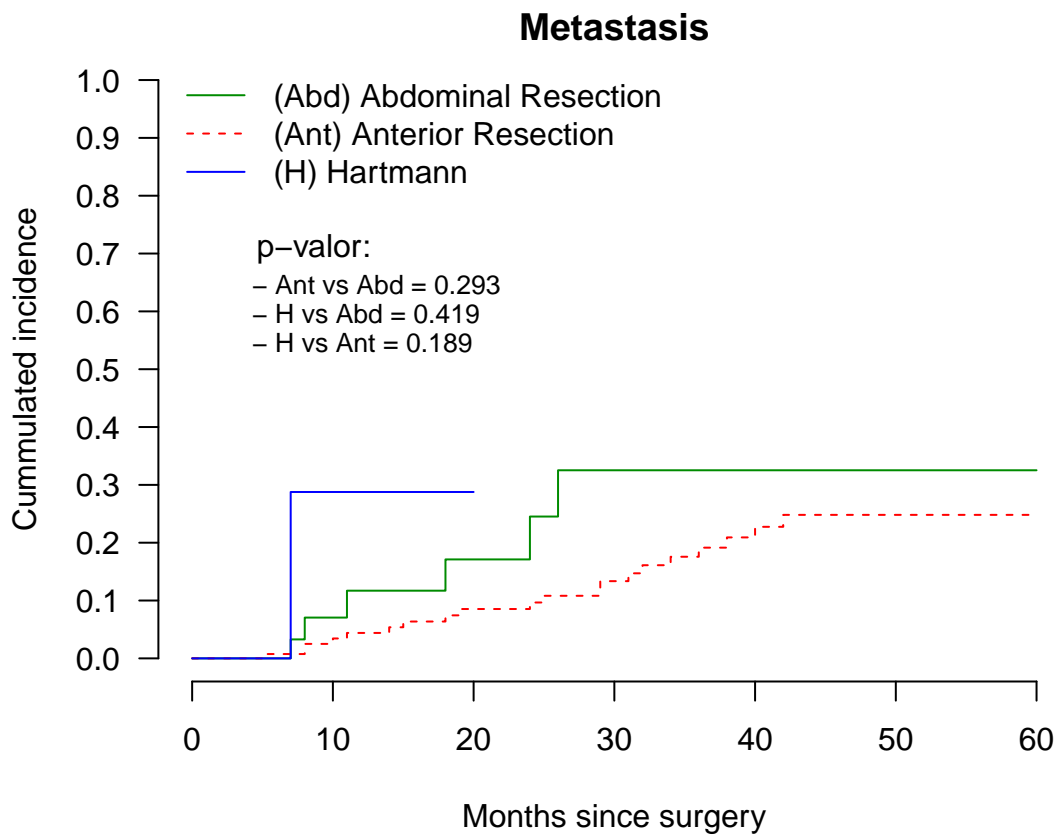
Months	0	12	24	36	48	60
N:	190	135	109	82	45	29

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



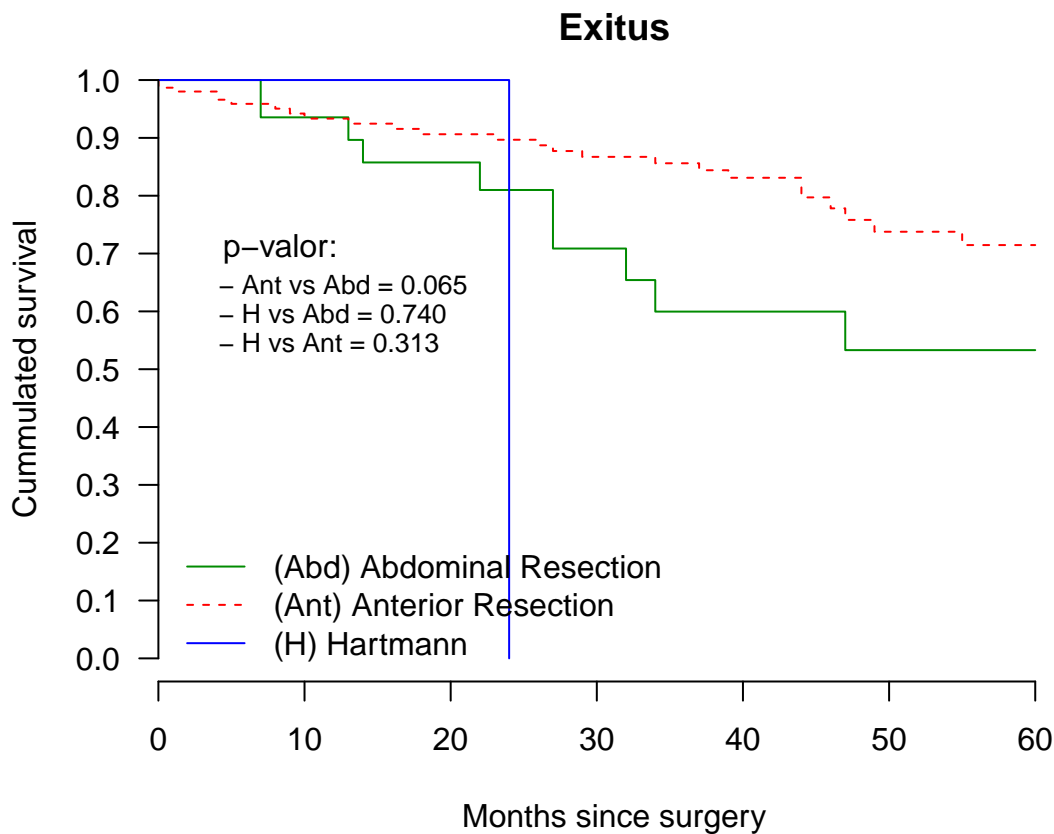
Tiempo	0	12	24	36	48	60
Abd	35	21	14	9	7	3
Ant	151	104	91	71	37	25
H	4	4	1	0	0	0

Figure 5: Metastasis, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	35	21	14	9	8	4
Ant	151	104	89	64	32	23
H	4	3	0	0	0	0

Figure 6: Survival, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	35	24	16	11	8	4
Ant	151	107	94	73	37	25
H	4	4	1	0	0	0

Table 5: Incidence by outcome [95% CI]

Months	Local Recurrence	Metastasis	Exitus
11	4.23 [7.49; 0.85]	6.07 [9.85; 2.13]	6.48 [10.14; 2.68]
24	6.66 [10.8; 2.33]	11.74 [17.03; 6.11]	12.39 [17.53; 6.94]
36	10.42 [15.7; 4.81]	19.57 [26.45; 12.04]	19.23 [25.64; 12.27]
47	10.42 [15.7; 4.81]	23.39 [31.04; 14.89]	28.58 [36.92; 19.13]
60	10.42 [15.7; 4.81]	23.39 [31.04; 14.89]	32.1 [41.15; 21.67]