

WIKINGO Project Systematic Analysis

Tables & Figures.

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Table 1: Participant characteristics

	[ALL] N=204	N
Age	69.5 (10.6)	204
Sex: Men	120 (58.8%)	204
Tumor level:		204
0-6cm	77 (37.7%)	
7-12cm	84 (41.2%)	
13-15cm	43 (21.1%)	
Tumor stage:		204
0	14 (6.86%)	
I	57 (27.9%)	
II	54 (26.5%)	
III	79 (38.7%)	
Neoadjuvant treatment	55 (27.0%)	204
Type of resection:		204
Abdominoperineal resection	43 (21.1%)	
Anterior resection	138 (67.6%)	
Hartmann	23 (11.3%)	
Perforation	9 (4.41%)	204
Invasion circumferential margin	24 (11.8%)	204
Mesorecto quality:		190
Satisfactory	152 (80.0%)	
Partial	28 (14.7%)	
No-satisfactory	10 (5.26%)	
Recidive	20 (9.80%)	204
Months to recidive	23.5 [11.0;42.0]	204
Metastasis	36 (17.6%)	204
Months to Metastasis	21.0 [10.0;39.5]	204
Exitus	42 (20.6%)	204
Months to exitus	25.0 [12.0;42.2]	204

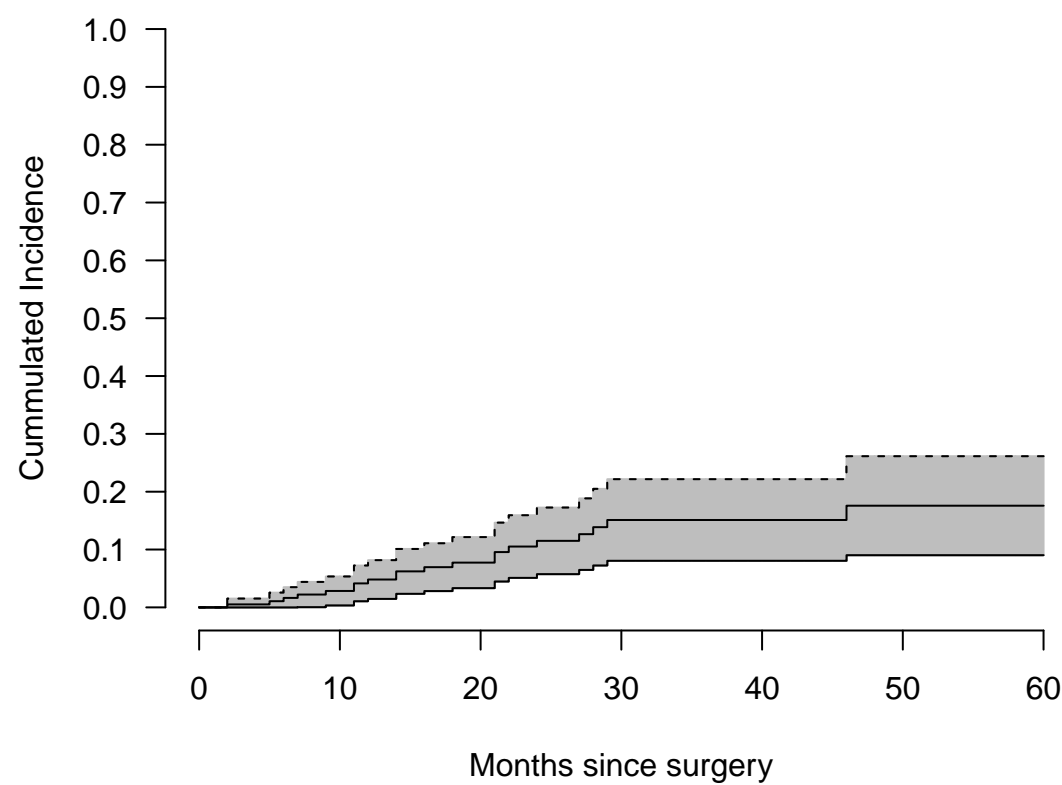
Table 2: According to Local Recurrence

	No event n= 184	Event n= 20	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.92 (1.02)	7.23 (1.42)	1.54 [0.94;2.52]	0.086	1.34 [0.75; 2.41]	0.327	204
Sex: Men	110 (59.8%)	10 (50.0%)	0.62 [0.26;1.48]	0.279	0.55 [0.18; 1.64]	0.279	204
Tumor level:							204
0-6cm	69 (37.5%)	8 (40.0%)	1.48 [0.39;5.57]	0.565	0.74 [0.09; 6.17]	0.779	
7-12cm	75 (40.8%)	9 (45.0%)	1.50 [0.40;5.52]	0.546	1.85 [0.41; 8.44]	0.424	
Tumor stage:							204
0	13 (7.07%)	1 (5.00%)	0.89 [0.10;8.00]	0.920	2.35 [0.21;25.95]	0.485	
II	49 (26.6%)	5 (25.0%)	1.40 [0.38;5.21]	0.617	1.16 [0.21; 6.34]	0.867	
III	69 (37.5%)	10 (50.0%)	2.01 [0.63;6.41]	0.239	1.65 [0.43; 6.25]	0.463	
Neoadjuvant treatment	52 (28.3%)	3 (15.0%)	0.35 [0.10;1.20]	0.095	0.36 [0.06; 2.03]	0.245	204
Type of resection:							204
Abdominoperineal resection	39 (21.2%)	4 (20.0%)	1.55 [0.49;4.95]	0.460	2.53 [0.34;18.64]	0.362	
Hartmann	17 (9.24%)	6 (30.0%)	5.51 [1.99;15.3]	0.001	4.09 [1.03;16.32]	0.046	
Perforation	7 (3.80%)	2 (10.0%)	2.71 [0.63;11.7]	0.182	2.69 [0.38;19.00]	0.322	204
Invasion circumferential margin	20 (10.9%)	4 (20.0%)	2.22 [0.74;6.65]	0.155	1.57 [0.38; 6.60]	0.535	204
Mesorecto quality:							190
Partial	24 (14.0%)	4 (22.2%)	2.38 [0.77;7.42]	0.134	1.62 [0.47; 5.59]	0.445	
No-satisfactory	8 (4.65%)	2 (11.1%)	7.60 [1.62;35.7]	0.010	3.04 [0.45;20.51]	0.254	

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:	204	145	98	64	33	17

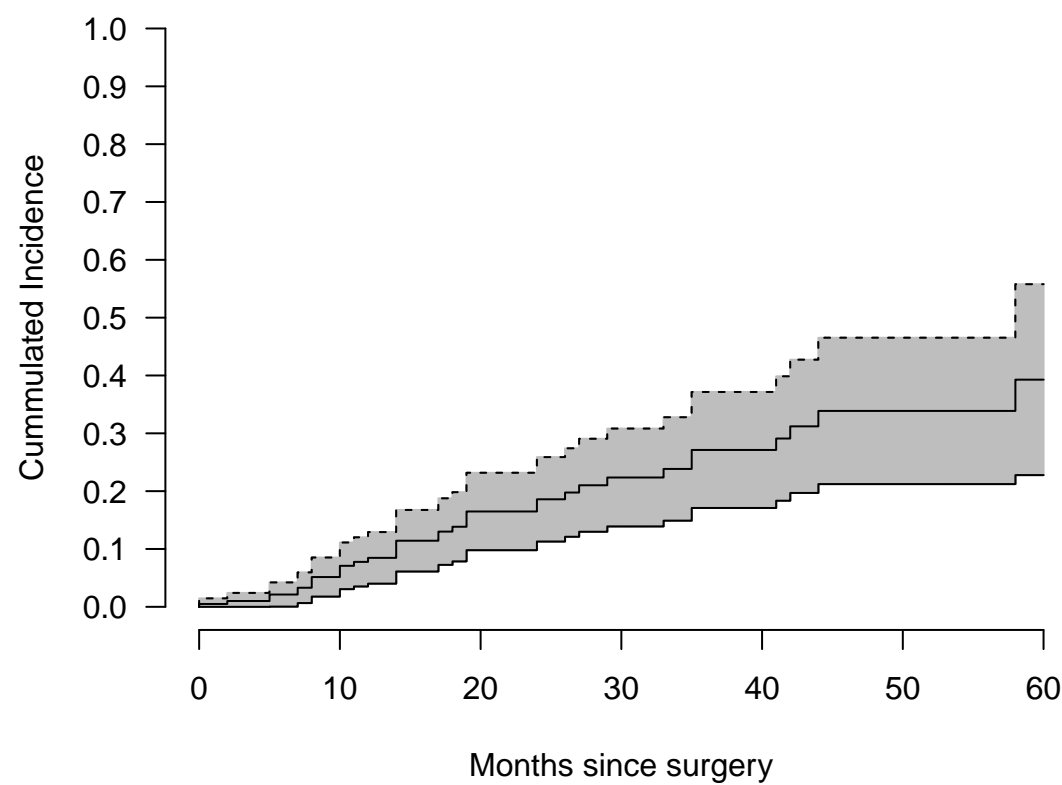
Table 3: According to Metastasis

	No event n= 168	Event n= 36	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.97 (1.05)	6.88 (1.12)	1.05 [0.76;1.44]	0.783	1.01 [0.69; 1.48]	0.967	204
Sex: Men	98 (58.3%)	22 (61.1%)	0.98 [0.50;1.93]	0.964	1.25 [0.55; 2.87]	0.597	204
Tumor level:							204
0-6cm	60 (35.7%)	17 (47.2%)	2.42 [0.81;7.20]	0.112	1.52 [0.33; 7.03]	0.591	
7-12cm	69 (41.1%)	15 (41.7%)	1.87 [0.62;5.65]	0.265	0.98 [0.29; 3.28]	0.977	
Tumor stage:							204
0	13 (7.74%)	1 (2.78%)	0.86 [0.10;7.74]	0.896	0.99 [0.11; 9.09]	0.995	
II	48 (28.6%)	6 (16.7%)	1.63 [0.46;5.77]	0.452	0.96 [0.23; 3.97]	0.951	
III	54 (32.1%)	25 (69.4%)	5.71 [1.98;16.4]	0.001	4.21 [1.38;12.82]	0.011	
Neoadjuvant treatment	46 (27.4%)	9 (25.0%)	0.64 [0.30;1.38]	0.255	0.70 [0.26; 1.92]	0.492	204
Type of resection:							204
Abdominoperineal resection	32 (19.0%)	11 (30.6%)	2.03 [0.98;4.19]	0.057	1.90 [0.54; 6.69]	0.318	
Hartmann	20 (11.9%)	3 (8.33%)	1.15 [0.34;3.88]	0.816	0.69 [0.15; 3.24]	0.64	
Perforation	7 (4.17%)	2 (5.56%)	1.53 [0.37;6.38]	0.560	0.57 [0.07; 4.70]	0.6	204
Invasion circumferential margin	13 (7.74%)	11 (30.6%)	4.13 [2.03;8.42]	<0.001	2.63 [0.93; 7.42]	0.069	204
Mesorecto quality:							190
Partial	17 (10.8%)	11 (33.3%)	4.42 [2.11;9.25]	<0.001	2.46 [1.03; 5.90]	0.044	
No-satisfactory	9 (5.73%)	1 (3.03%)	1.86 [0.25;14.1]	0.548	0.54 [0.06; 4.88]	0.583	

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:	204	139	91	57	28	13

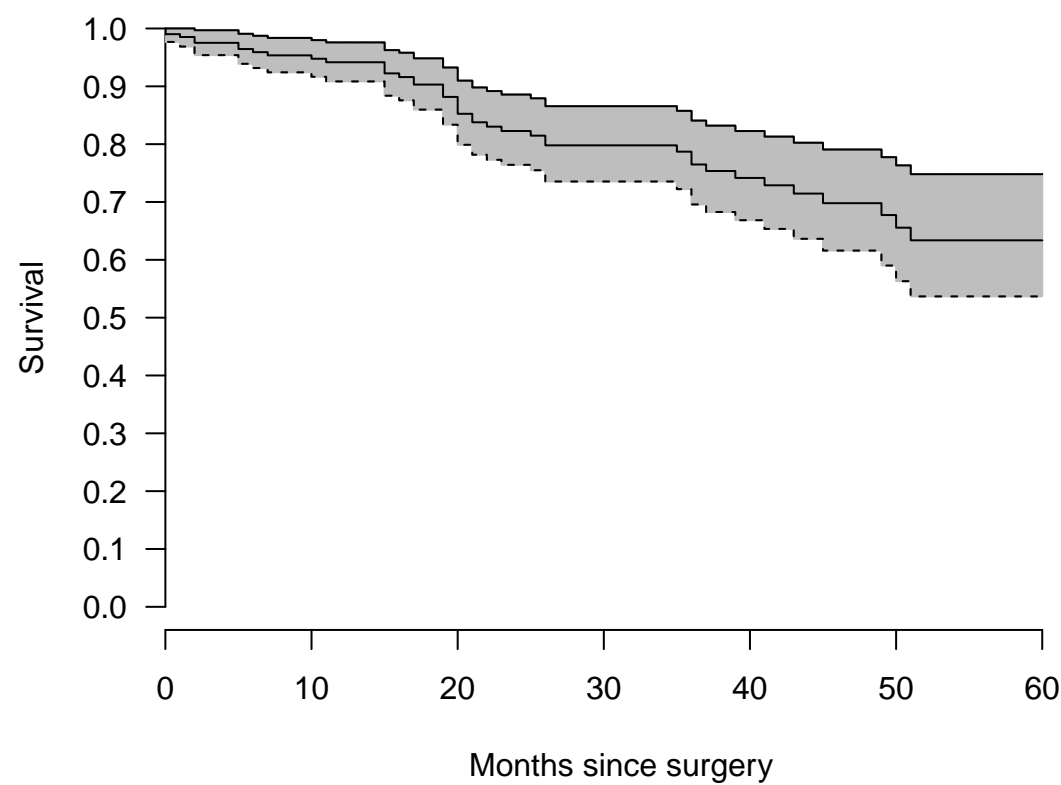
Table 4: According to Exitus

	No event n= 162	Event n= 42	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.80 (1.04)	7.53 (0.98)	2.43 [1.63;3.61]	<0.001	2.14 [1.30; 3.53]	0.003	204
Sex: Men	93 (57.4%)	27 (64.3%)	1.10 [0.59;2.07]	0.764	1.25 [0.54; 2.92]	0.602	204
Tumor level:							204
0-6cm	55 (34.0%)	22 (52.4%)	3.89 [1.16;13.0]	0.028	2.33 [0.47;11.46]	0.299	
7-12cm	67 (41.4%)	17 (40.5%)	2.86 [0.84;9.77]	0.093	2.73 [0.72;10.28]	0.138	
Tumor stage:							204
0	13 (8.02%)	1 (2.38%)	1.18 [0.12;11.3]	0.888	3.34 [0.31;35.42]	0.317	
II	41 (25.3%)	13 (31.0%)	4.46 [1.27;15.7]	0.020	2.41 [0.57;10.22]	0.233	
III	54 (33.3%)	25 (59.5%)	6.55 [1.98;21.7]	0.002	4.01 [1.15;14.01]	0.03	
Neoadjuvant treatment	50 (30.9%)	5 (11.9%)	0.25 [0.10;0.65]	0.004	0.43 [0.13; 1.50]	0.188	204
Type of resection:							204
Abdominoperineal resection	28 (17.3%)	15 (35.7%)	3.06 [1.55;6.03]	0.001	1.13 [0.29; 4.45]	0.859	
Hartmann	15 (9.26%)	8 (19.0%)	3.50 [1.52;8.03]	0.003	0.77 [0.24; 2.47]	0.661	
Perforation	4 (2.47%)	5 (11.9%)	3.20 [1.26;8.17]	0.015	4.77 [1.44;15.76]	0.01	204
Invasion circumferential margin	8 (4.94%)	16 (38.1%)	5.04 [2.70;9.42]	<0.001	2.02 [0.86; 4.77]	0.107	204
Mesorrecto quality:							190
Partial	15 (9.87%)	13 (34.2%)	4.78 [2.37;9.65]	<0.001	2.83 [1.31; 6.13]	0.008	
No-satisfactory	5 (3.29%)	5 (13.2%)	12.6 [4.45;35.8]	<0.001	3.53 [0.92;13.58]	0.067	

Reference categories:

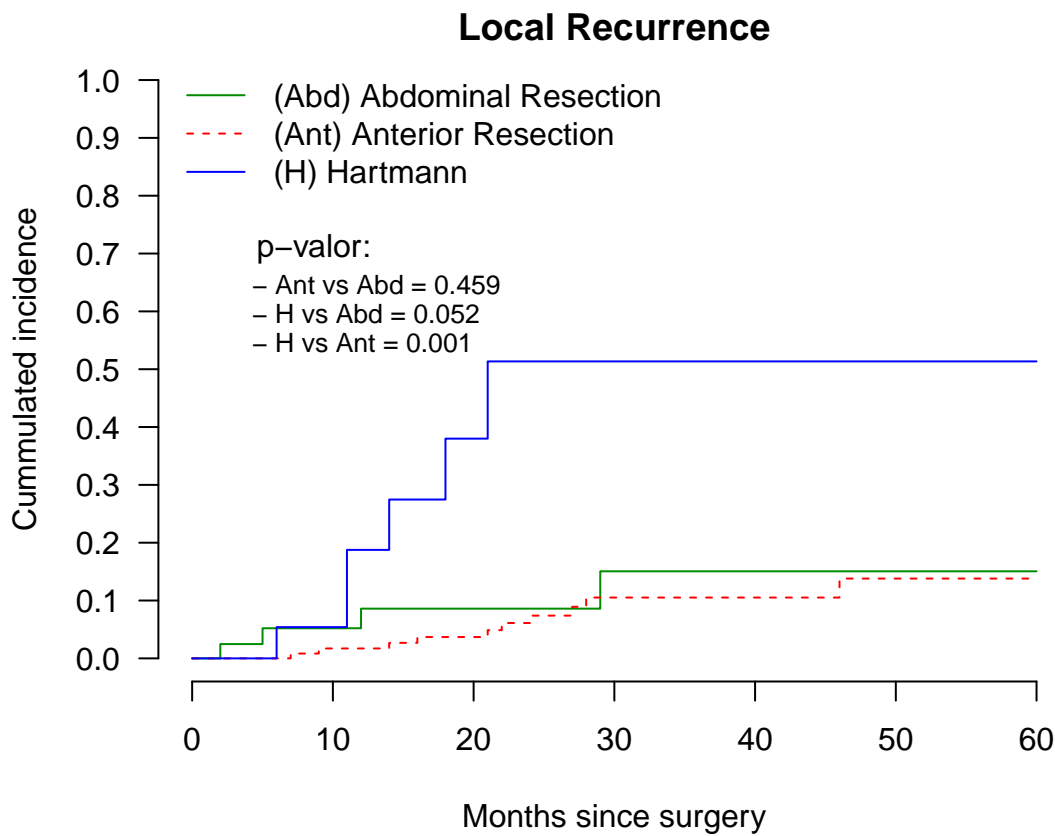
- Age, a decade
- Sex, Women
- Tumor level, 13-15cm
- Tumor stage: 1
- Neoadjuvant treatment, No
- Type of resection, Anterior resection
- Perforation, No
- Invasion circumferential margin, No
- Mesorrecto Quality, Satisfactory

Figure 3: Exitus



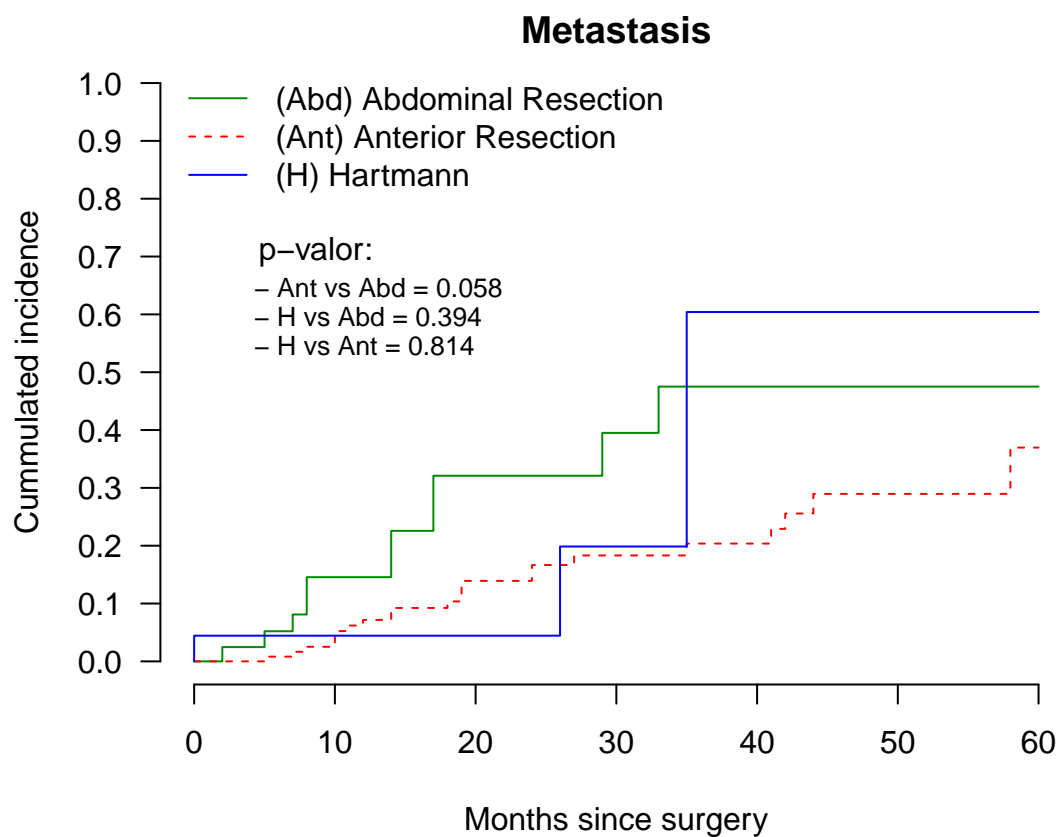
Months	0	12	24	36	48	60
N:	204	150	103	68	34	17

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



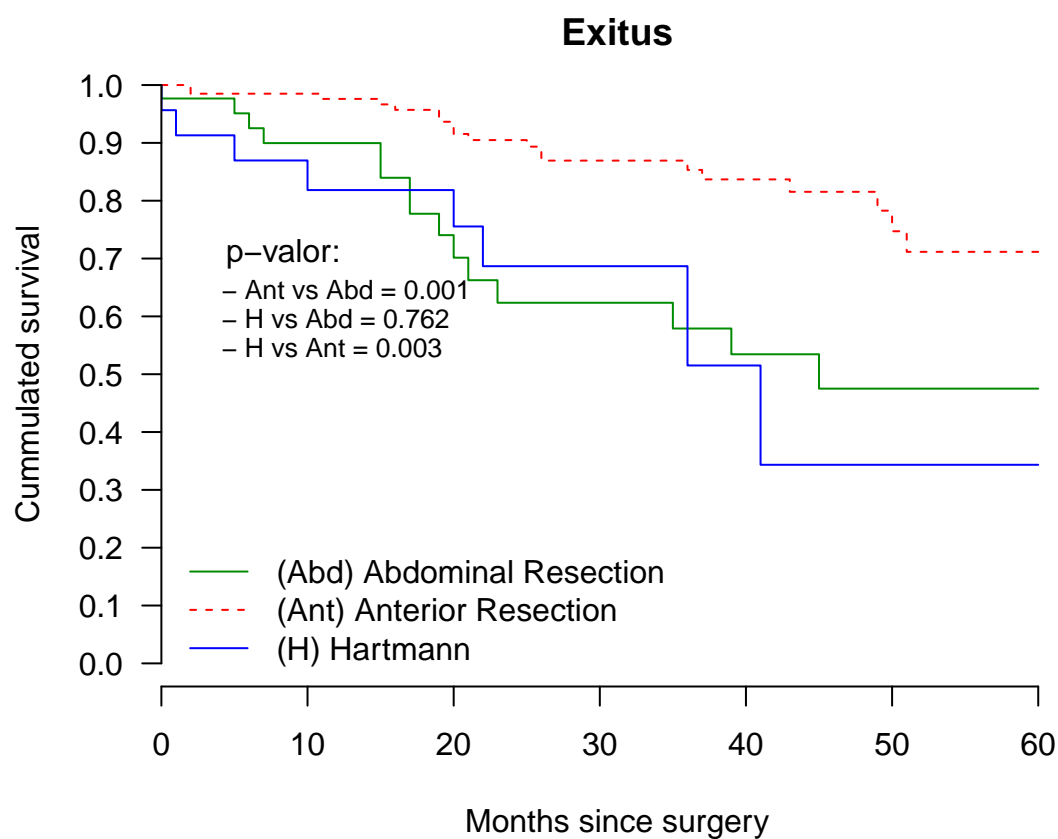
Tiempo	0	12	24	36	48	60
Abd	43	30	16	12	8	5
Ant	138	107	79	52	25	10
H	23	13	7	3	2	2

Figure 5: Metastasis, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	43	27	14	10	7	4
Ant	138	103	74	47	21	8
H	23	14	8	2	1	1

Figure 6: Survival, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	43	31	16	13	8	5
Ant	138	108	82	54	26	10
H	23	15	8	4	2	2

Table 5: Incidence by outcome [95% CI]

Months	Local Recurrence	Metastasis	Exitus
12	4.7 [7.84; 1.45]	8.12 [12.12; 3.93]	5.84 [9.14; 2.42]
24	10.86 [15.84; 5.59]	16.96 [22.81; 10.68]	17.73 [23.57; 11.44]
36	14.02 [19.88; 7.74]	23.75 [31.03; 15.71]	23.52 [30.41; 15.94]
48	16.12 [23; 8.63]	28.73 [37.2; 19.12]	30.21 [38.39; 20.94]
60	16.12 [23; 8.63]	32.48 [42.75; 20.37]	36.63 [46.32; 25.19]