

WIKINGO Project Systematic Analysis

Tables & Figures.

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Table 1: Participant characteristics

	[ALL] N=174	N
Age	68.0 (11.9)	174
Sex: Men	120 (69.0%)	174
Tumor level:		174
0-6cm	53 (30.5%)	
7-12cm	91 (52.3%)	
13-15cm	30 (17.2%)	
Tumor stage:		174
0	10 (5.75%)	
I	58 (33.3%)	
II	57 (32.8%)	
III	49 (28.2%)	
Neoadjuvant treatment	72 (41.4%)	174
Type of resection:		174
Abdominoperineal resection	43 (24.7%)	
Anterior resection	108 (62.1%)	
Hartmann	23 (13.2%)	
Perforation	8 (4.60%)	174
Invasion circumferential margin	14 (8.05%)	174
Mesorecto quality:		168
Satisfactory	118 (70.2%)	
Partial	34 (20.2%)	
No-satisfactory	16 (9.52%)	
Recidive	3 (1.72%)	174
Months to recidive	32.0 [10.0;57.0]	174
Metastasis	14 (8.05%)	174
Months to Metastasis	29.5 [8.25;55.8]	174
Exitus	32 (18.4%)	174
Months to exitus	32.0 [12.0;57.0]	174

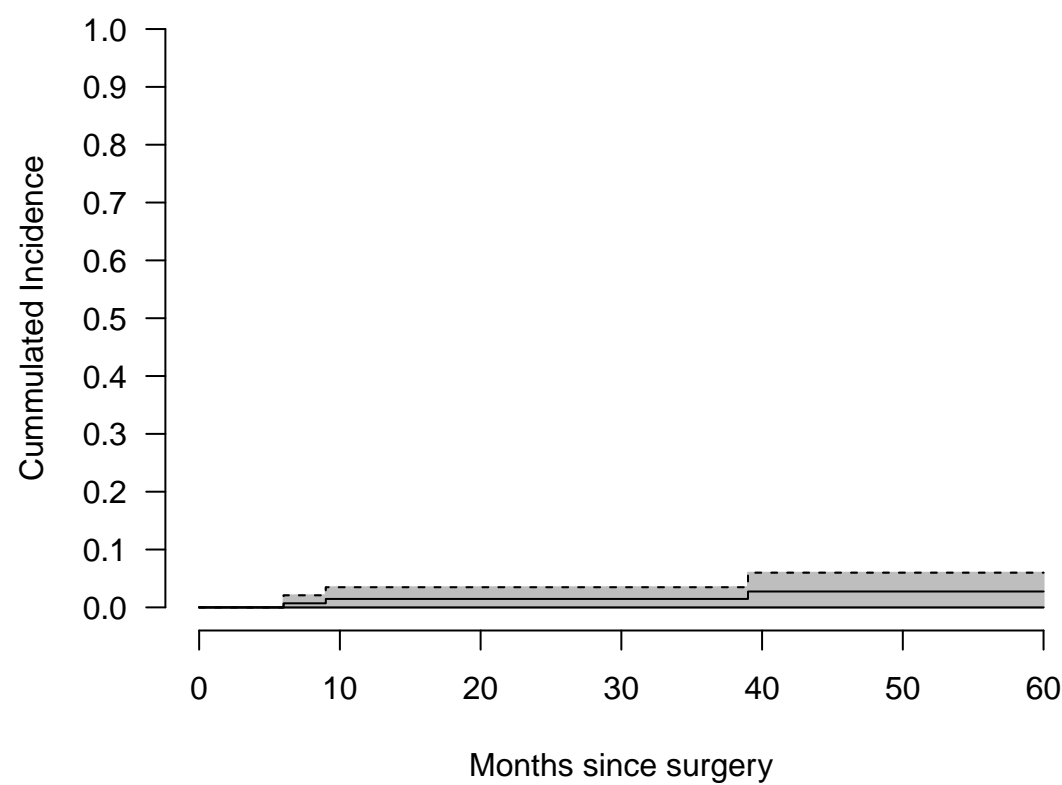
Table 2: According to Local Recurrence

	No event n= 171	Event n= 3	Crude HR	p-value	Multivariate HR	p-value
Age (10y)	6.80 (1.20)	7.00 (0.89)	1.24 [0.42;3.68]	0.699	1.46 [0.40; 5.28]	0.566
Sex: Men	118 (69.0%)	2 (66.7%)	1.12 [0.10;12.4]	0.926	0.51 [0.02; 15.93]	0.698
Tumor level:						
0-6cm	53 (31.0%)	0 (0.00%)	1.00 [0.00;.]	1.000	1.94 [0.00; Inf]	1
7-12cm	88 (51.5%)	3 (100%)	552371153 [0.00;.]	0.999	1571838061.39 [0.00; Inf]	0.999
Tumor stage:						
0	10 (5.85%)	0 (0.00%)	1.01 [0.00;.]	1.000	16.83 [0.00; Inf]	1
II	55 (32.2%)	2 (66.7%)	480222261 [0.00;.]	0.999	177620199.84 [0.00; Inf]	0.999
III	48 (28.1%)	1 (33.3%)	326595353 [0.00;.]	0.999	633693828.85 [0.00; Inf]	0.999
Neoadjuvant treatment	71 (41.5%)	1 (33.3%)	0.77 [0.07;8.48]	0.830	0.65 [0.03; 14.75]	0.788
Type of resection:						
Abdominoperineal resection	43 (25.1%)	0 (0.00%)	0.00 [0.00;.]	0.999	0.94 [0.00; Inf]	1
Hartmann	22 (12.9%)	1 (33.3%)	3.08 [0.27;35.3]	0.366	2.14 [0.03; 132.14]	0.717
Perforation	7 (4.09%)	1 (33.3%)	11.0 [0.97;126]	0.053	5.31 [0.09; 317.77]	0.424
Invasion circumferential margin	13 (7.60%)	1 (33.3%)	5.17 [0.47;57.2]	0.180	1.17 [0.03; 50.82]	0.935
Mesorecto quality:						
Partial	33 (20.0%)	1 (33.3%)	3.20 [0.20;51.3]	0.411	1.78 [0.05; 67.19]	0.756
No-satisfactory	15 (9.09%)	1 (33.3%)	7.87 [0.49;128]	0.147	10.19 [0.05;2102.65]	0.393

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:	174	127	101	83	58	40

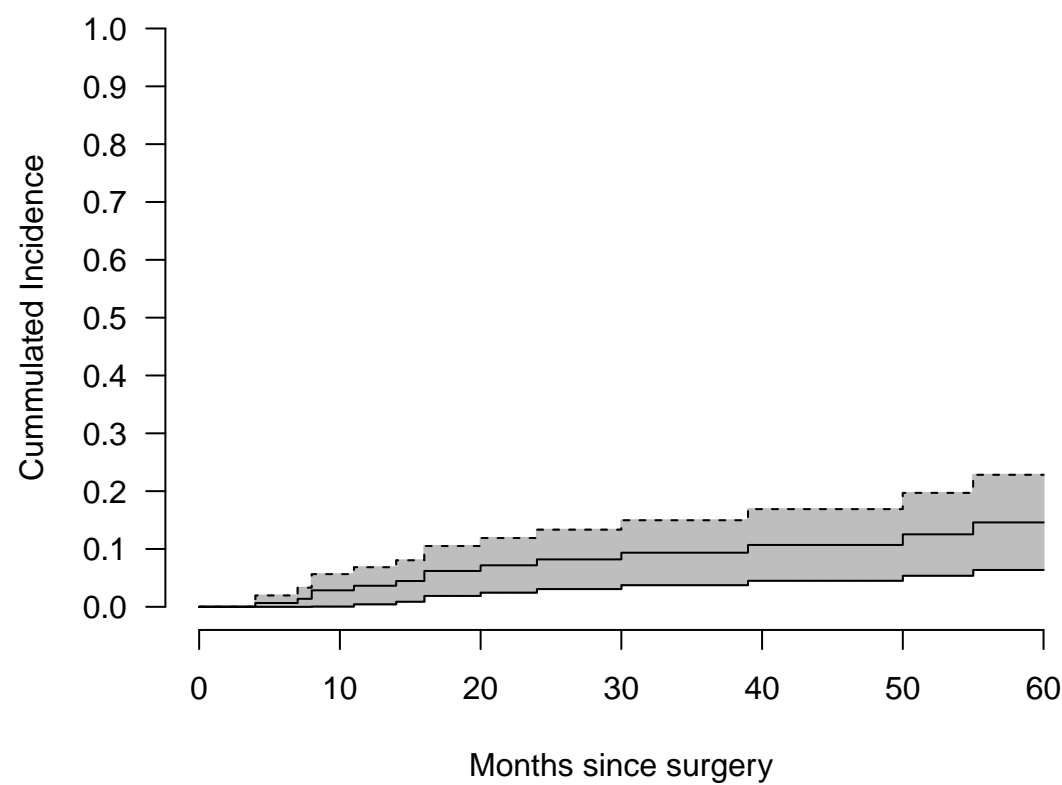
Table 3: According to Metastasis

	No event n= 160	Event n= 14	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.77 (1.21)	7.16 (0.94)	1.55 [0.89;2.71]	0.125	1.60 [0.88; 2.91]	0.12	174
Sex: Men	112 (70.0%)	8 (57.1%)	0.73 [0.25;2.10]	0.555	0.72 [0.21; 2.46]	0.601	174
Tumor level:							174
0-6cm	51 (31.9%)	2 (14.3%)	0.20 [0.04;1.03]	0.054	0.30 [0.00; 26.14]	0.594	
7-12cm	84 (52.5%)	7 (50.0%)	0.44 [0.14;1.39]	0.161	0.92 [0.19; 4.49]	0.923	
Tumor stage:							174
0	10 (6.25%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	1	
II	55 (34.4%)	2 (14.3%)	2.10 [0.19;23.2]	0.543	2.34 [0.19; 29.15]	0.51	
III	38 (23.8%)	11 (78.6%)	16.2 [2.08;126]	0.008	16.26 [1.89;140.02]	0.011	
Neoadjuvant treatment	67 (41.9%)	5 (35.7%)	0.83 [0.28;2.48]	0.742	1.37 [0.32; 5.82]	0.671	174
Type of resection:							174
Abdominoperineal resection	41 (25.6%)	2 (14.3%)	0.54 [0.12;2.44]	0.422	1.35 [0.02;112.77]	0.895	
Hartmann	22 (13.8%)	1 (7.14%)	0.59 [0.08;4.57]	0.611	0.00 [0.00; Inf]	0.999	
Perforation	8 (5.00%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	0.999	174
Invasion circumferential margin	14 (8.75%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	0.999	174
Mesorecto quality:							168
Partial	32 (20.6%)	2 (15.4%)	0.64 [0.14;2.94]	0.570	1.54 [0.29; 8.33]	0.615	
No-satisfactory	15 (9.68%)	1 (7.69%)	0.80 [0.10;6.25]	0.829	1.79 [0.15; 22.15]	0.649	

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:	174	124	94	80	56	38

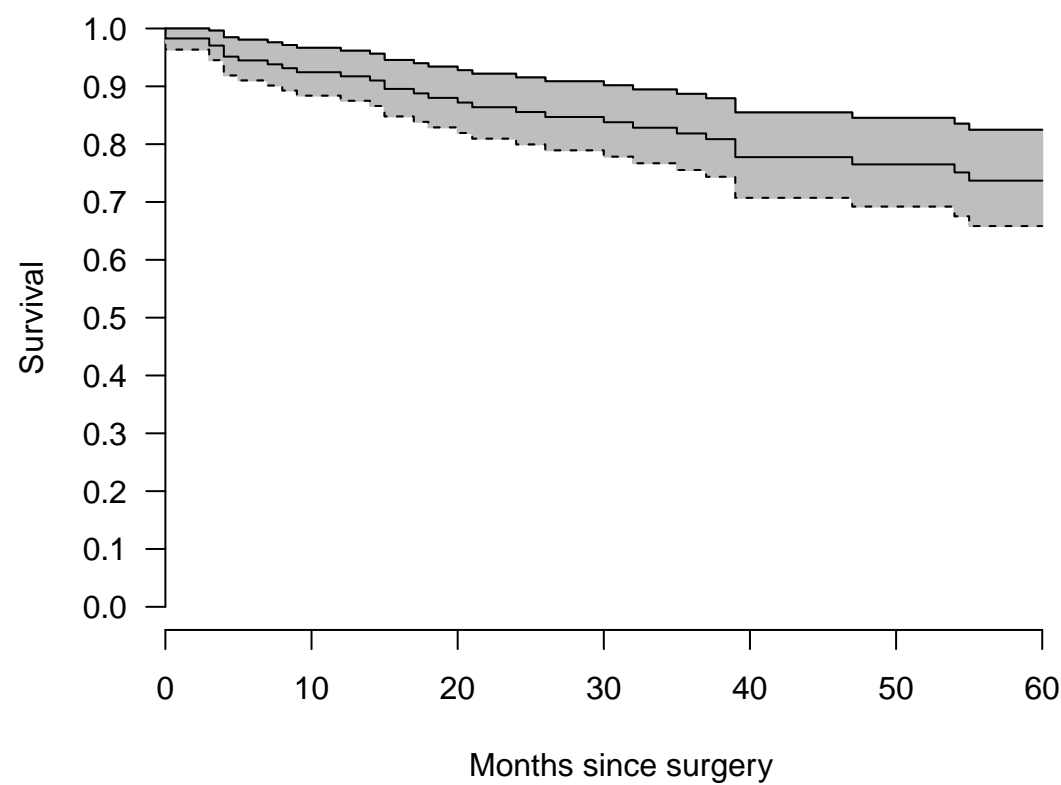
Table 4: According to Exitus

	No event n= 142	Event n= 32	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.61 (1.18)	7.64 (0.85)	2.91 [1.86;4.54]	<0.001	2.43 [1.50; 3.95]	<0.001	174
Sex: Men	97 (68.3%)	23 (71.9%)	1.41 [0.65;3.05]	0.386	0.93 [0.40; 2.19]	0.876	174
Tumor level:							174
0-6cm	39 (27.5%)	14 (43.8%)	1.46 [0.53;4.07]	0.465	0.65 [0.11; 3.86]	0.631	
7-12cm	78 (54.9%)	13 (40.6%)	0.84 [0.30;2.36]	0.744	1.72 [0.50; 5.88]	0.385	
Tumor stage:							174
0	10 (7.04%)	0 (0.00%)	0.00 [0.00;.]	0.997	0.00 [0.00; Inf]	0.997	
II	50 (35.2%)	7 (21.9%)	0.80 [0.30;2.15]	0.659	1.21 [0.39; 3.75]	0.736	
III	33 (23.2%)	16 (50.0%)	2.35 [1.04;5.34]	0.040	3.98 [1.48;10.68]	0.006	
Neoadjuvant treatment	65 (45.8%)	7 (21.9%)	0.42 [0.18;0.98]	0.044	0.44 [0.17; 1.15]	0.095	174
Type of resection:							174
Abdominoperineal resection	29 (20.4%)	14 (43.8%)	3.76 [1.70;8.28]	0.001	7.94 [1.45;43.40]	0.017	
Hartmann	16 (11.3%)	7 (21.9%)	4.23 [1.63;11.0]	0.003	2.46 [0.73; 8.27]	0.146	
Perforation	6 (4.23%)	2 (6.25%)	1.63 [0.39;6.84]	0.507	1.66 [0.26;10.66]	0.592	174
Invasion circumferential margin	9 (6.34%)	5 (15.6%)	2.02 [0.78;5.24]	0.150	1.20 [0.37; 3.89]	0.764	174
Mesorecto quality:							168
Partial	26 (19.0%)	8 (25.8%)	1.59 [0.69;3.69]	0.278	1.26 [0.48; 3.29]	0.636	
No-satisfactory	10 (7.30%)	6 (19.4%)	2.92 [1.15;7.42]	0.025	0.77 [0.22; 2.70]	0.681	

Reference categories:

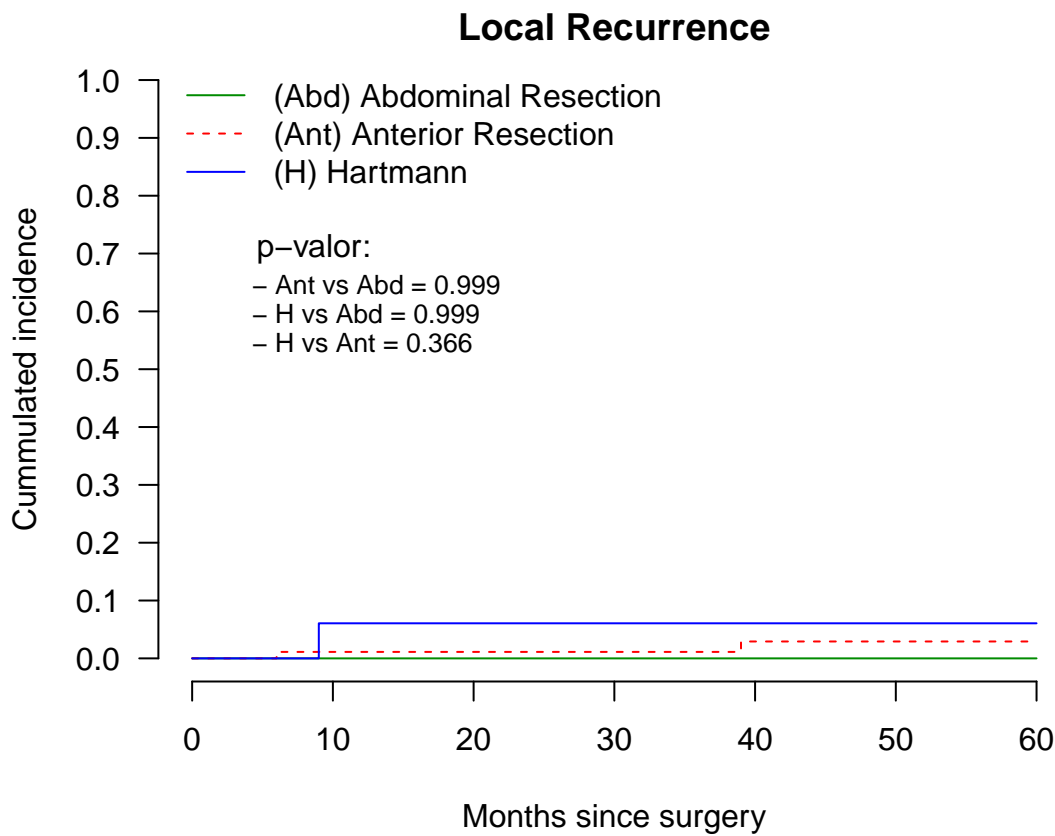
- Age, a decade
- Sex, Women
- Tumor level, 13-15cm
- Tumor stage: 1
- Neoadjuvant treatment, No
- Type of resection, Anterior resection
- Perforation, No
- Invasion circumferential margin, No
- Mesorecto Quality, Satisfactory

Figure 3: Exitus



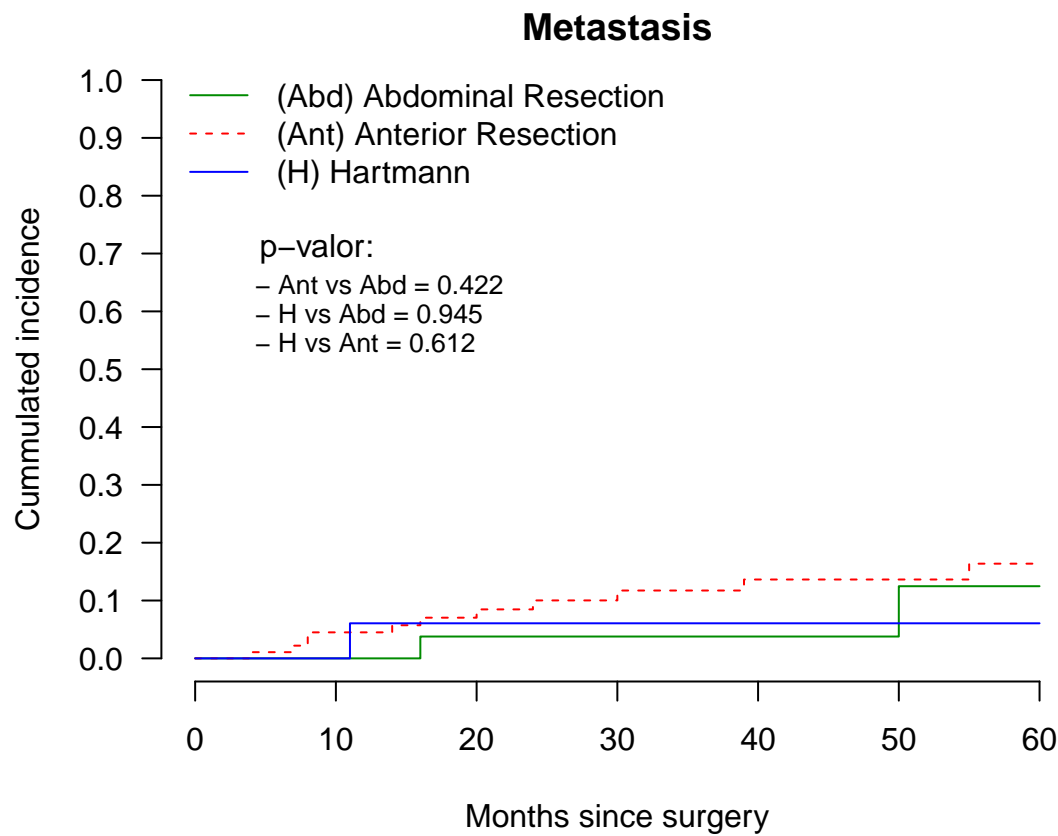
Months	0	12	24	36	48	60
N:	174	128	101	83	59	40

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



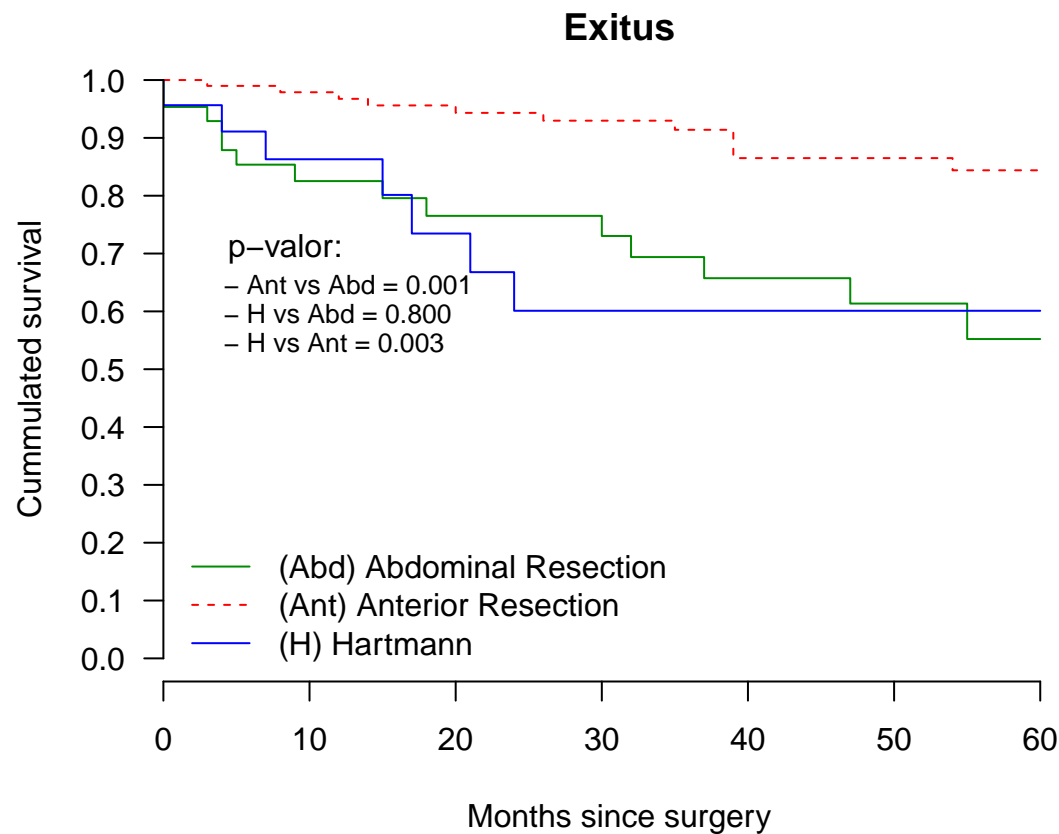
Tiempo	0	12	24	36	48	60
Abd	43	28	24	19	14	5
Ant	108	85	70	58	43	33
H	23	16	10	6	3	2

Figure 5: Metastasis, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	43	28	23	19	14	5
Ant	108	82	65	55	41	31
H	23	16	10	6	3	2

Figure 6: Survival, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	43	28	24	19	14	5
Ant	108	86	70	58	44	33
H	23	17	10	6	3	2

Table 5: Incidence by outcome [95% CI]

Months	Local Recurrence	Metastasis	Exitus
12	1.45 [3.42; 0]	3.58 [6.61; 0.44]	8.27 [12.49; 3.84]
24	1.45 [3.42; 0]	7.87 [12.48; 3.03]	14.44 [20.03; 8.47]
35	1.45 [3.42; 0]	8.93 [13.9; 3.68]	18.15 [24.47; 11.3]
48	2.71 [5.81; 0]	10.15 [15.54; 4.41]	23.5 [30.78; 15.45]
60	2.71 [5.81; 0]	13.58 [20.4; 6.17]	26.31 [34.16; 17.52]