

# WIKINGO Project Systematic Analysis

## Tables & Figures.

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Table 1: Participant characteristics

	[ALL] N=129	N
Age	66.0 (13.2)	129
Sex: Men	82 (63.6%)	129
Tumor level:		129
0-6cm	46 (35.7%)	
7-12cm	70 (54.3%)	
13-15cm	13 (10.1%)	
Tumor stage:		129
0	5 (3.88%)	
I	39 (30.2%)	
II	50 (38.8%)	
III	35 (27.1%)	
Neoadjuvant treatment	59 (45.7%)	129
Type of resection:		129
Abdominoperineal resection	24 (18.6%)	
Anterior resection	91 (70.5%)	
Hartmann	14 (10.9%)	
Perforation	1 (0.78%)	129
Invasion circumferential margin	9 (6.98%)	129
Mesorecto quality:		129
Satisfactory	59 (45.7%)	
Partial	53 (41.1%)	
No-satisfactory	17 (13.2%)	
Recidive	7 (5.43%)	129
Months to recidive	26.0 [16.0;42.0]	129
Metastasis	14 (10.9%)	129
Months to Metastasis	26.0 [15.0;42.0]	129
Exitus	27 (20.9%)	129
Months to exitus	27.0 [16.0;43.0]	129

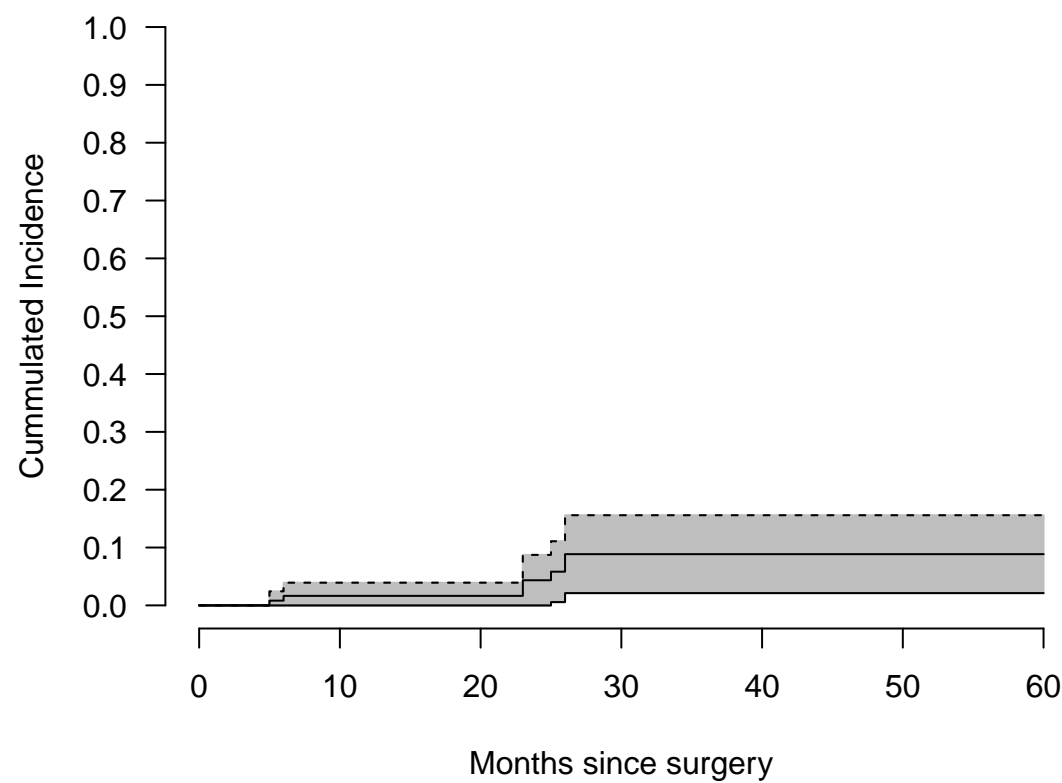
Table 2: According to Local Recurrence

	No event n= 122	Event n= 7	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.59 (1.26)	6.86 (2.26)	1.35 [0.70;2.62]	0.367	1.91 [0.64; 5.76]	0.248	12
Sex: Men	79 (64.8%)	3 (42.9%)	0.50 [0.11;2.25]	0.369	0.37 [0.03; 5.41]	0.467	12
Tumor level:							12
0-6cm	44 (36.1%)	2 (28.6%)	0.17 [0.02;1.25]	0.081	0.00 [0.00; Inf]	0.999	
7-12cm	67 (54.9%)	3 (42.9%)	0.16 [0.03;0.98]	0.047	0.00 [0.00; 0.25]	0.019	
Tumor stage:							12
0	5 (4.10%)	0 (0.00%)	0.00 [0.00;.]	0.999	0.00 [0.00; Inf]	1	
II	48 (39.3%)	2 (28.6%)	1.40 [0.13;15.4]	0.784	0.46 [0.01; 32.19]	0.721	
III	31 (25.4%)	4 (57.1%)	4.58 [0.51;41.0]	0.173	205.06 [0.33; 127444.93]	0.105	
Neoadjuvant treatment	57 (46.7%)	2 (28.6%)	0.44 [0.09;2.27]	0.328	0.29 [0.00; 18.71]	0.564	12
Type of resection:							12
Abdominoperineal resection	22 (18.0%)	2 (28.6%)	3.12 [0.52;18.7]	0.213	6538476.69 [0.00; Inf]	1	
Hartmann	12 (9.84%)	2 (28.6%)	8.40 [1.37;51.5]	0.021	69.40 [0.99; 4845.90]	0.05	
Perforation	0 (0.00%)	1 (14.3%)	Ref.	Ref.	NA [ NA; NA]		12
Invasion circumferential margin	7 (5.74%)	2 (28.6%)	10.2 [1.95;53.0]	0.006	925.40 [0.07;11944819.70]	0.157	12
Mesorrecto quality:							12
Partial	48 (39.3%)	5 (71.4%)	6.49 [0.76;55.6]	0.088	122.48 [2.20; 6817.74]	0.019	
No-satisfactory	16 (13.1%)	1 (14.3%)	3.91 [0.24;62.6]	0.335	0.00 [0.00; Inf]	1	

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:	129	107	68	41	20	4

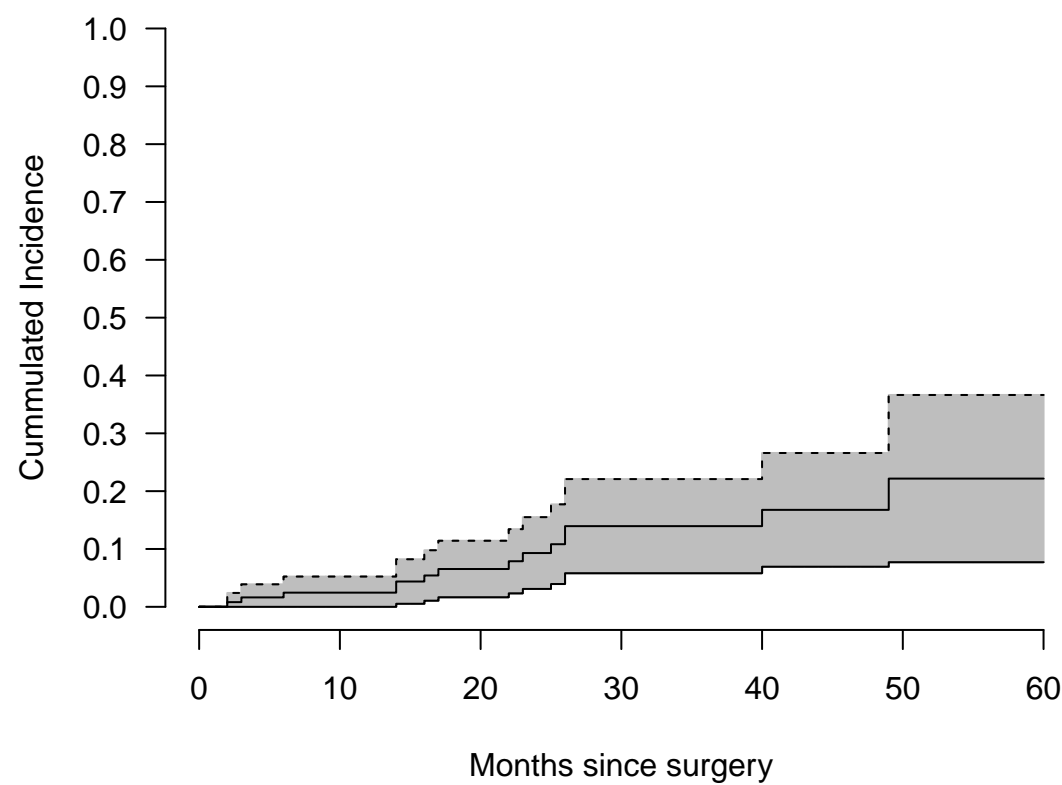
Table 3: According to Metastasis

	No event n= 115	Event n= 14	Crude HR	p-value	Multivariate HR	p-value
Age (10y)	6.58 (1.30)	6.79 (1.53)	1.28 [0.81;2.01]	0.291	1.45 [0.98; 2.16]	0.064
Sex: Men	75 (65.2%)	7 (50.0%)	0.68 [0.24;1.94]	0.469	0.47 [0.12; 1.84]	0.279
Tumor level:						
0-6cm	38 (33.0%)	8 (57.1%)	0.49 [0.13;1.88]	0.297	0.02 [0.00; 0.39]	0.011
7-12cm	67 (58.3%)	3 (21.4%)	0.11 [0.02;0.57]	0.009	0.01 [0.00; 0.15]	<0.001
Tumor stage:						
0	5 (4.35%)	0 (0.00%)	0.99 [0.00;.]	1.000	0.11 [0.00; Inf]	1
II	43 (37.4%)	7 (50.0%)	328031302 [0.00;.]	0.998	203184215.27 [0.00; Inf]	0.998
III	28 (24.3%)	7 (50.0%)	480537306 [0.00;.]	0.998	559797221.66 [0.00; Inf]	0.998
Neoadjuvant treatment	50 (43.5%)	9 (64.3%)	2.36 [0.79;7.10]	0.126	15.36 [2.11;111.93]	0.007
Type of resection:						
Abdominoperineal resection	17 (14.8%)	7 (50.0%)	5.53 [1.85;16.5]	0.002	3.11 [0.27; 35.94]	0.363
Hartmann	13 (11.3%)	1 (7.14%)	1.70 [0.20;14.3]	0.623	8.46 [0.54;131.46]	0.127
Perforation	1 (0.87%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	1
Invasion circumferential margin	7 (6.09%)	2 (14.3%)	3.49 [0.77;15.8]	0.104	0.73 [0.12; 4.63]	0.742
Mesorrecto quality:						
Partial	45 (39.1%)	8 (57.1%)	3.81 [1.00;14.5]	0.050	6.06 [1.07; 34.41]	0.042
No-satisfactory	14 (12.2%)	3 (21.4%)	4.48 [0.90;22.3]	0.067	5.39 [0.73; 39.73]	0.098

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 2: Metastasis



Months	0	12	24	36	48	60
N:	129	106	66	41	19	4

Table 4: According to Exitus

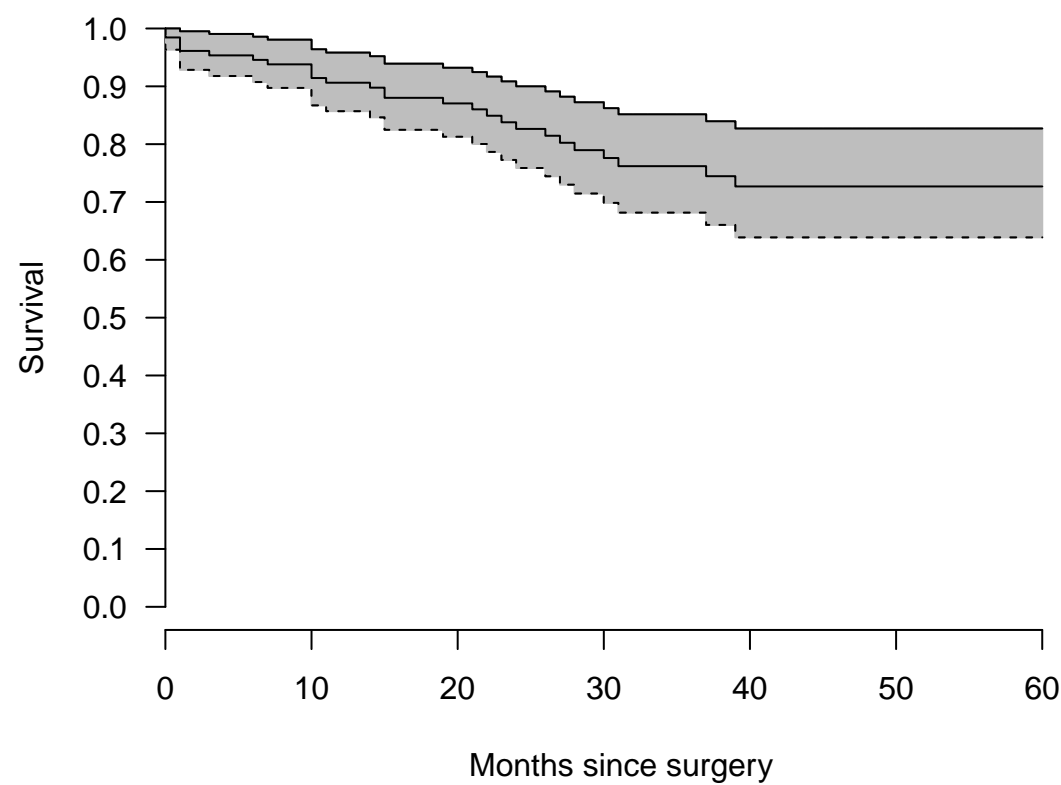
	No event n= 102	Event n= 27	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.42 (1.28)	7.31 (1.24)	1.93 [1.34;2.80]	<0.001	1.73 [1.13; 2.65]	0.012	129
Sex: Men	62 (60.8%)	20 (74.1%)	1.84 [0.78;4.36]	0.165	1.94 [0.76; 4.93]	0.165	129
Tumor level:							129
0-6cm	36 (35.3%)	10 (37.0%)	0.76 [0.21;2.78]	0.679	0.19 [0.03; 1.37]	0.099	
7-12cm	56 (54.9%)	14 (51.9%)	0.68 [0.19;2.38]	0.548	0.36 [0.09; 1.45]	0.15	
Tumor stage:							129
0	5 (4.90%)	0 (0.00%)	0.00 [0.00;.]	0.997	0.00 [0.00; Inf]	0.997	
II	43 (42.2%)	7 (25.9%)	0.63 [0.23;1.75]	0.379	0.42 [0.13; 1.39]	0.156	
III	23 (22.5%)	12 (44.4%)	1.70 [0.69;4.15]	0.247	1.61 [0.54; 4.82]	0.395	
Neoadjuvant treatment	48 (47.1%)	11 (40.7%)	0.81 [0.37;1.74]	0.580	1.58 [0.58; 4.28]	0.367	129
Type of resection:							129
Abdominoperineal resection	16 (15.7%)	8 (29.6%)	2.71 [1.12;6.54]	0.027	3.11 [0.52;18.69]	0.214	
Hartmann	8 (7.84%)	6 (22.2%)	4.70 [1.77;12.5]	0.002	2.25 [0.63; 8.11]	0.214	
Perforation	1 (0.98%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	0.999	129
Invasion circumferential margin	6 (5.88%)	3 (11.1%)	2.23 [0.67;7.43]	0.191	1.74 [0.42; 7.24]	0.444	129
Mesorecto quality:							129
Partial	38 (37.3%)	15 (55.6%)	2.40 [1.02;5.66]	0.046	1.71 [0.64; 4.60]	0.288	
No-satisfactory	13 (12.7%)	4 (14.8%)	2.07 [0.62;6.88]	0.237	1.30 [0.33; 5.08]	0.704	

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

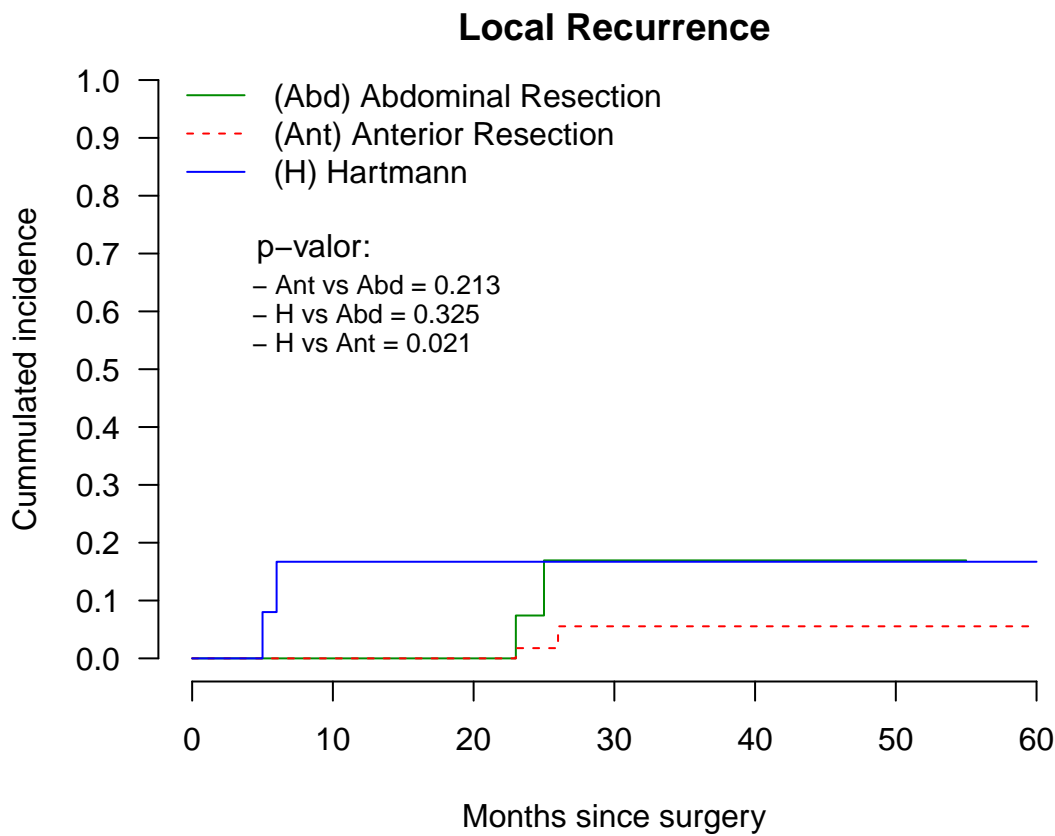


Figure 3: Exitus



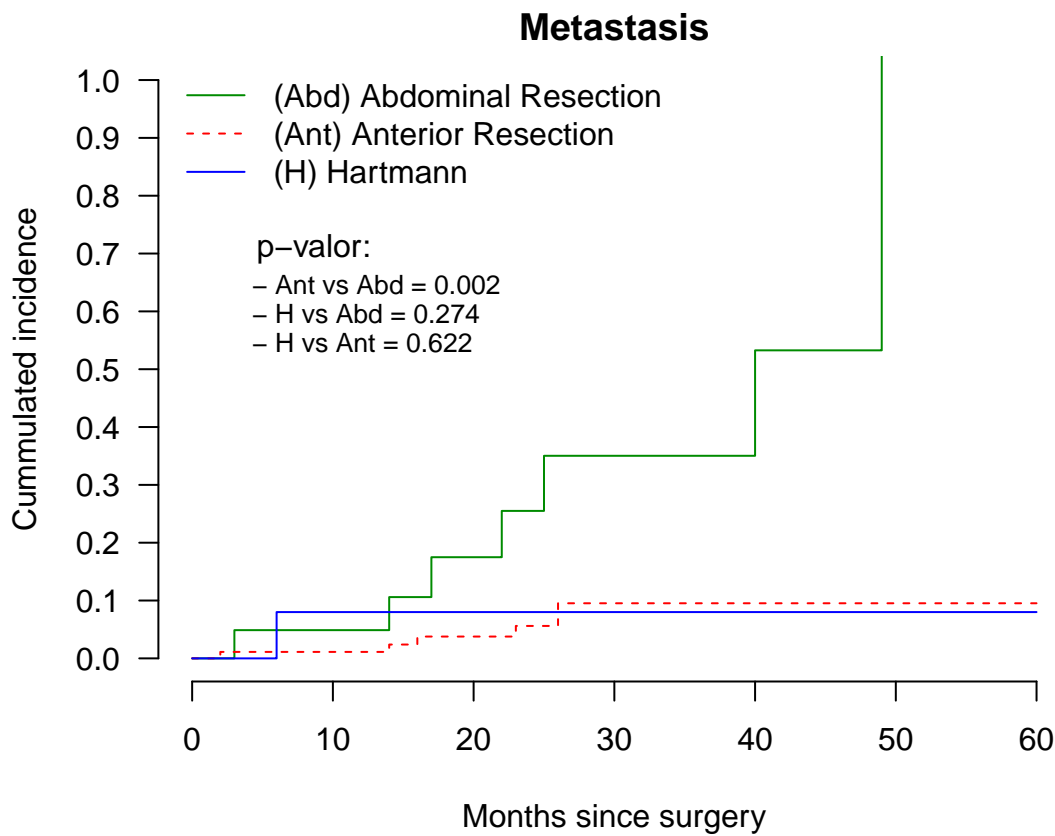
Months	0	12	24	36	48	60
N:	129	107	70	44	20	4

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



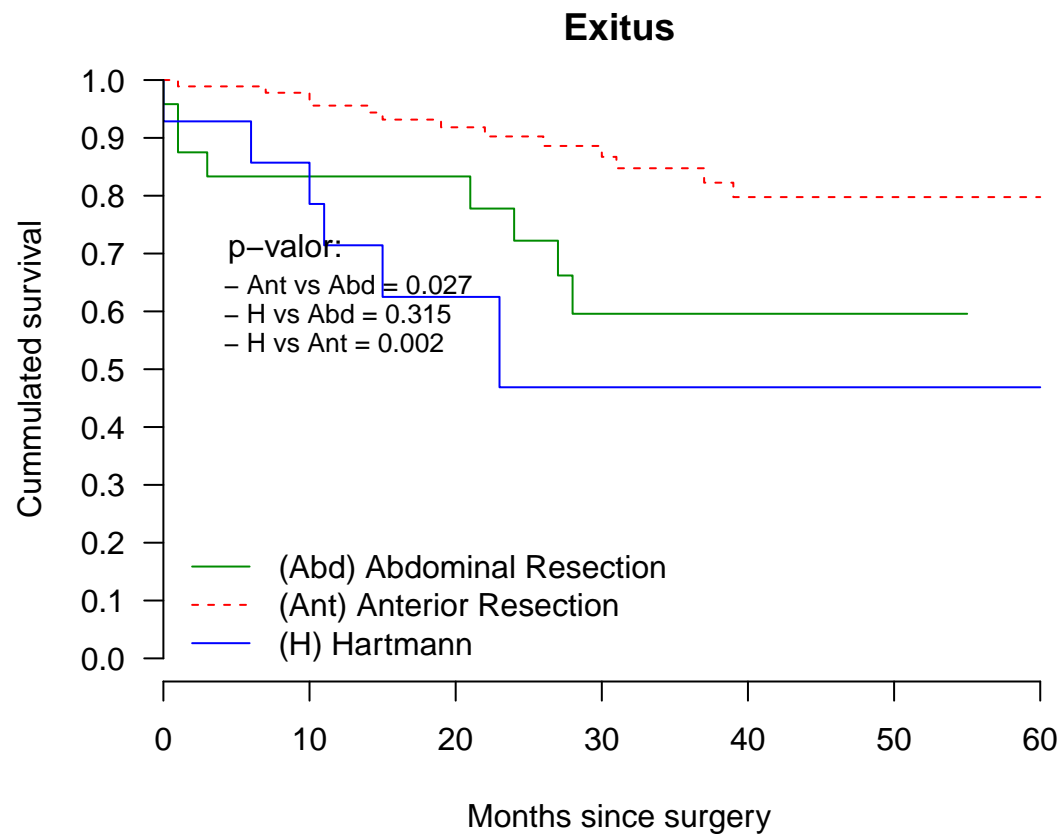
Tiempo	0	12	24	36	48	60
Abd	24	18	13	6	2	0
Ant	91	83	55	33	18	3
H	14	8	3	2	2	1

Figure 5: Metastasis, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	24	18	12	8	2	0
Ant	91	82	53	31	17	3
H	14	8	3	2	2	1

Figure 6: Survival, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	24	18	14	8	2	0
Ant	91	83	56	34	18	3
H	14	8	3	2	2	1

Table 5: Incidence by outcome [95% CI]

Months	Local Recurrence	Metastasis	Exitus
12	1.63 [3.84; 0]	2.42 [5.09; 0]	9.38 [14.29; 4.18]
24	4.25 [8.35; 0]	8.88 [14.36; 3.05]	17.36 [24.12; 10.01]
35	8.47 [14.43; 2.1]	13.02 [19.81; 5.65]	23.81 [31.83; 14.84]
48	8.47 [14.43; 2.1]	15.44 [23.35; 6.7]	27.31 [36.11; 17.3]
60	8.47 [14.43; 2.1]	19.89 [30.67; 7.43]	27.31 [36.11; 17.3]