

WIKINGO Project Systematic Analysis

Tables & Figures.

Proyecto Vikingo

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`proyectovikingo@proyectovikingo.es`

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Table 1: Participant characteristics

	[ALL] N=127	N
Age	62.7 (11.6)	127
Sex: Men	86 (67.7%)	127
Tumor level:		127
0-6cm	55 (43.3%)	
7-12cm	54 (42.5%)	
13-15cm	18 (14.2%)	
Tumor stage:		127
0	17 (13.4%)	
I	33 (26.0%)	
II	32 (25.2%)	
III	45 (35.4%)	
Neoadjuvant treatment	80 (63.0%)	127
Type of resection:		127
Abdominoperineal resection	40 (31.5%)	
Anterior resection	79 (62.2%)	
Hartmann	8 (6.30%)	
Perforation	4 (3.15%)	127
Invasion circumferential margin	8 (6.30%)	127
Mesorecto quality:		126
Satisfactory	97 (77.0%)	
Partial	20 (15.9%)	
No-satisfactory	9 (7.14%)	
Recidive	2 (1.57%)	127
Months to recidive	14.0 [5.00;36.0]	127
Metastasis	14 (11.0%)	127
Months to Metastasis	13.0 [5.00;30.5]	127
Exitus	16 (12.6%)	127
Months to exitus	14.0 [5.50;36.0]	127

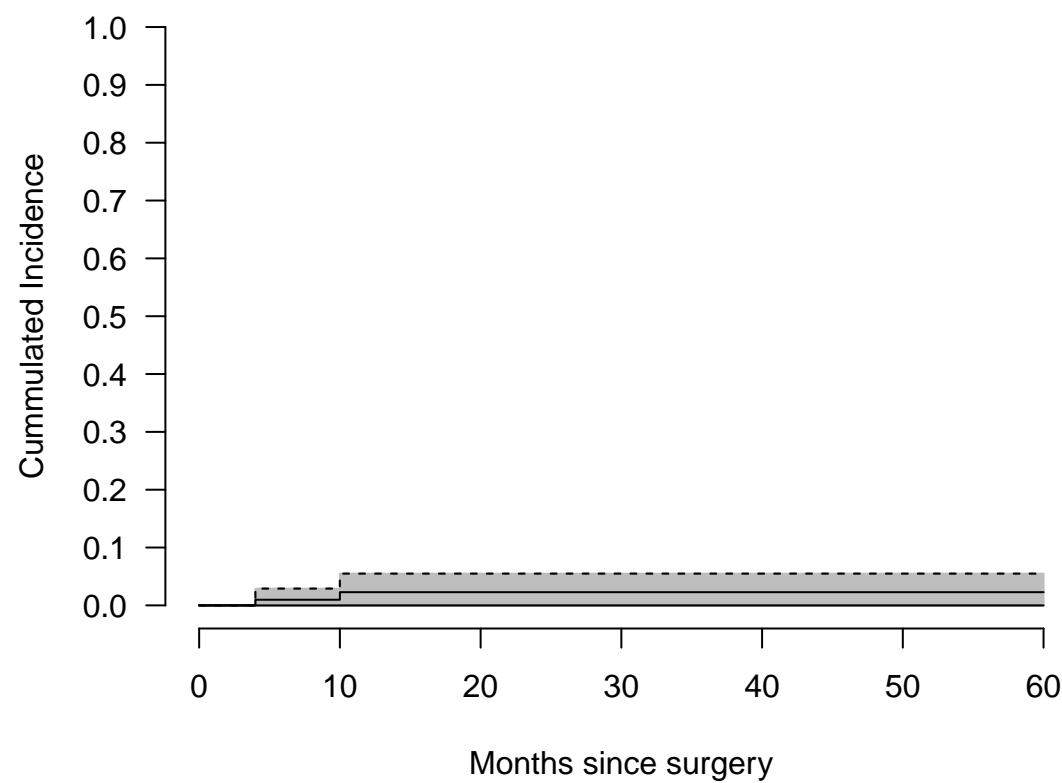
Table 2: According to Local Recurrence

	No event n= 125	Event n= 2	Crude HR	p-value	Multivariate HR
Age (10y)	6.26 (1.16)	7.00 (1.98)	1.78 [0.50;6.32]	0.374	3.85 [0;Inf]
Sex: Men	86 (68.8%)	0 (0.00%)	0.00 [0.00;.]	0.999	0.00 [0;Inf]
Tumor level:					
0-6cm	53 (42.4%)	2 (100%)	884324389 [0.00;.]	1.000	0.00 [0;Inf]
7-12cm	54 (43.2%)	0 (0.00%)	1.00 [0.00;.]	1.000	0.00 [0;Inf]
Tumor stage:					
0	17 (13.6%)	0 (0.00%)	1.00 [0.00;.]	1.000	0.00 [0;Inf]
II	32 (25.6%)	0 (0.00%)	1.00 [0.00;.]	1.000	0.00 [0;Inf]
III	43 (34.4%)	2 (100%)	998838807 [0.00;.]	0.999	0.42 [0;Inf]
Neoadjuvant treatment	79 (63.2%)	1 (50.0%)	0.47 [0.03;7.56]	0.596	81100442.06 [0;Inf]
Type of resection:					
Abdominoperineal resection	39 (31.2%)	1 (50.0%)	1.73 [0.11;27.6]	0.700	0.01 [0;Inf]
Hartmann	8 (6.40%)	0 (0.00%)	0.00 [0.00;.]	0.999	74731430839398608.00 [0;Inf]
Perforation	4 (3.20%)	0 (0.00%)	0.00 [0.00;.]	0.999	1.08 [0;Inf]
Invasion circumferential margin	7 (5.60%)	1 (50.0%)	14.1 [0.88;225]	0.062	600881134134.75 [0;Inf]
Mesorrecto quality:					
Partial	18 (14.5%)	2 (100%)	5608568976 [0.000000e+00;.]	0.999	17705673216.73 [0;Inf]
No-satisfactory	9 (7.26%)	0 (0.00%)	1.010000e+00 [0.000000e+00;.]	1.000	47629580.99 [0;Inf]

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:	127	72	45	31	12	4

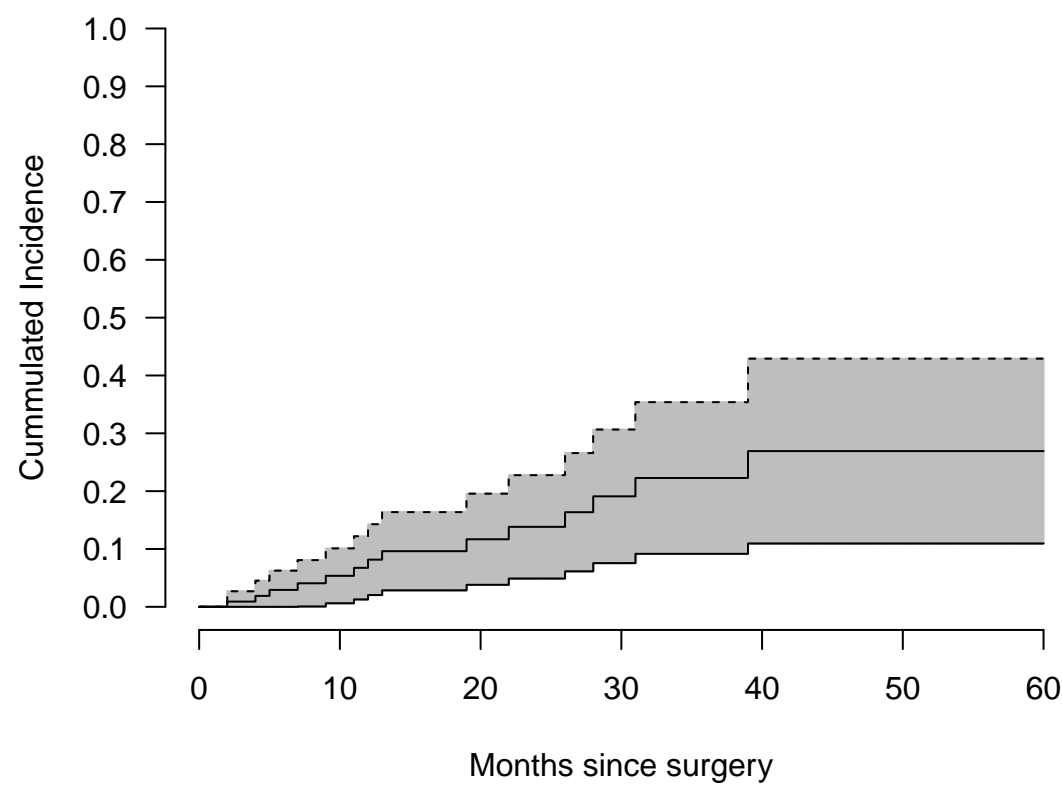
Table 3: According to Metastasis

	No event n= 113	Event n= 14	Crude HR	p-value	Multivariate HR	p-value
Age (10y)	6.19 (1.14)	6.95 (1.21)	1.74 [1.07;2.83]	0.025	1.92 [1.00; 3.68]	0.05
Sex: Men	76 (67.3%)	10 (71.4%)	1.30 [0.41;4.15]	0.657	4.18 [0.78; 22.45]	0.096
Tumor level:						
0-6cm	47 (41.6%)	8 (57.1%)	1.13 [0.24;5.32]	0.878	1.82 [0.12; 28.70]	0.671
7-12cm	50 (44.2%)	4 (28.6%)	0.51 [0.09;2.78]	0.435	1.68 [0.12; 23.01]	0.698
Tumor stage:						
0	17 (15.0%)	0 (0.00%)	1.01 [0.00;.]	1.000	0.39 [0.00; Inf]	1
II	29 (25.7%)	3 (21.4%)	238081720 [0.00;.]	0.998	100628875.74 [0.00; Inf]	0.999
III	34 (30.1%)	11 (78.6%)	656712835 [0.00;.]	0.998	1740374468.51 [0.00; Inf]	0.999
Neoadjuvant treatment	71 (62.8%)	9 (64.3%)	0.90 [0.30;2.69]	0.853	1.39 [0.18; 10.68]	0.749
Type of resection:						
Abdominoperineal resection	33 (29.2%)	7 (50.0%)	1.78 [0.60;5.32]	0.300	3.06 [0.47; 19.81]	0.24
Hartmann	7 (6.19%)	1 (7.14%)	1.79 [0.22;14.9]	0.590	0.61 [0.03; 13.11]	0.755
Perforation	4 (3.54%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	0.999
Invasion circumferential margin	5 (4.42%)	3 (21.4%)	3.90 [1.09;14.0]	0.037	5.43 [0.87; 33.76]	0.069
Mesorecto quality:						
Partial	13 (11.6%)	7 (50.0%)	7.67 [2.41;24.4]	0.001	25.47 [3.20;202.74]	0.002
No-satisfactory	7 (6.25%)	2 (14.3%)	2.50 [0.48;12.9]	0.276	5.50 [0.51; 59.11]	0.159

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:	127	69	41	25	10	3

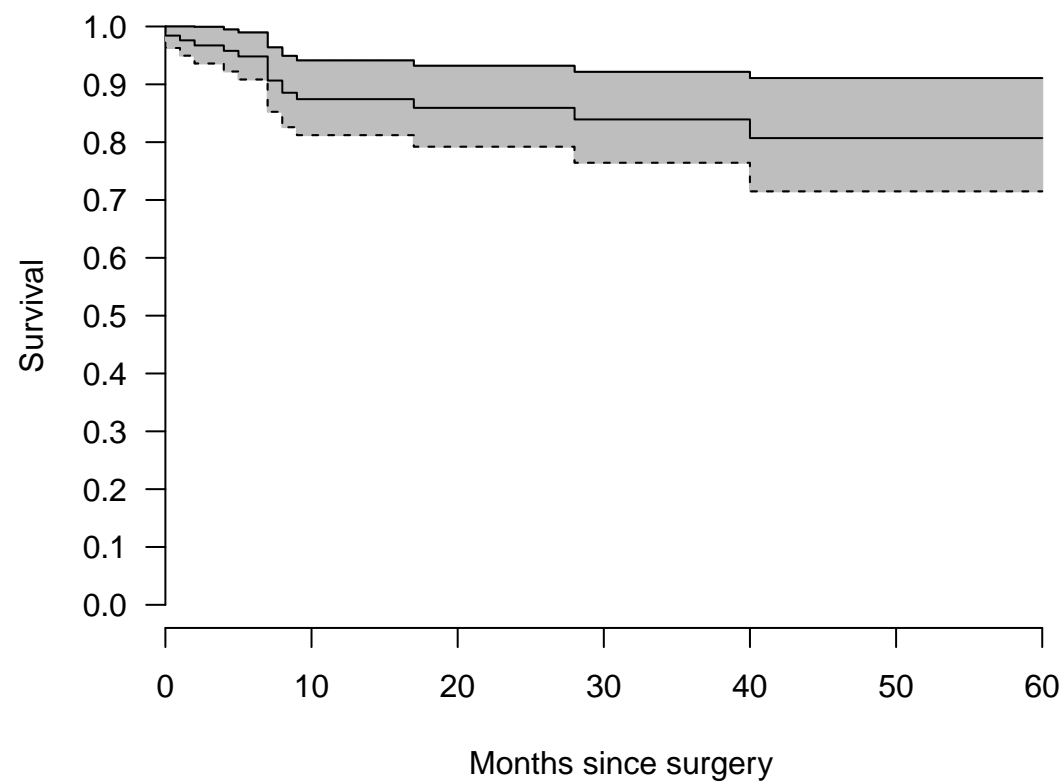
Table 4: According to Exitus

	No event n= 111	Event n= 16	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.22 (1.12)	6.66 (1.40)	1.36 [0.88;2.10]	0.165	1.57 [0.88; 2.81]	0.126	127
Sex: Men	75 (67.6%)	11 (68.8%)	1.05 [0.36;3.01]	0.933	0.85 [0.26; 2.72]	0.778	127
Tumor level:							127
0-6cm	44 (39.6%)	11 (68.8%)	0.82 [0.26;2.57]	0.728	2.10 [0.20;22.51]	0.54	
7-12cm	53 (47.7%)	1 (6.25%)	0.07 [0.01;0.64]	0.018	0.04 [0.00; 0.75]	0.031	
Tumor stage:							127
0	17 (15.3%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	0.998	
II	29 (26.1%)	3 (18.8%)	1.50 [0.25;8.99]	0.656	2.41 [0.29;19.86]	0.413	
III	34 (30.6%)	11 (68.8%)	3.40 [0.75;15.3]	0.112	3.85 [0.72;20.69]	0.116	
Neoadjuvant treatment	73 (65.8%)	7 (43.8%)	0.38 [0.14;1.03]	0.057	0.57 [0.11; 2.98]	0.506	127
Type of resection:							127
Abdominoperineal resection	32 (28.8%)	8 (50.0%)	2.16 [0.75;6.23]	0.155	1.21 [0.20; 7.38]	0.833	
Hartmann	6 (5.41%)	2 (12.5%)	3.90 [0.79;19.4]	0.096	6.89 [0.52;90.69]	0.142	
Perforation	4 (3.60%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	0.999	127
Invasion circumferential margin	5 (4.50%)	3 (18.8%)	3.01 [0.86;10.6]	0.086	1.87 [0.32;10.86]	0.486	127
Mesorecto quality:							126
Partial	17 (15.5%)	3 (18.8%)	1.13 [0.32;4.03]	0.846	0.46 [0.09; 2.31]	0.346	
No-satisfactory	8 (7.27%)	1 (6.25%)	0.62 [0.08;4.78]	0.643	0.46 [0.04; 4.90]	0.519	

Reference categories:

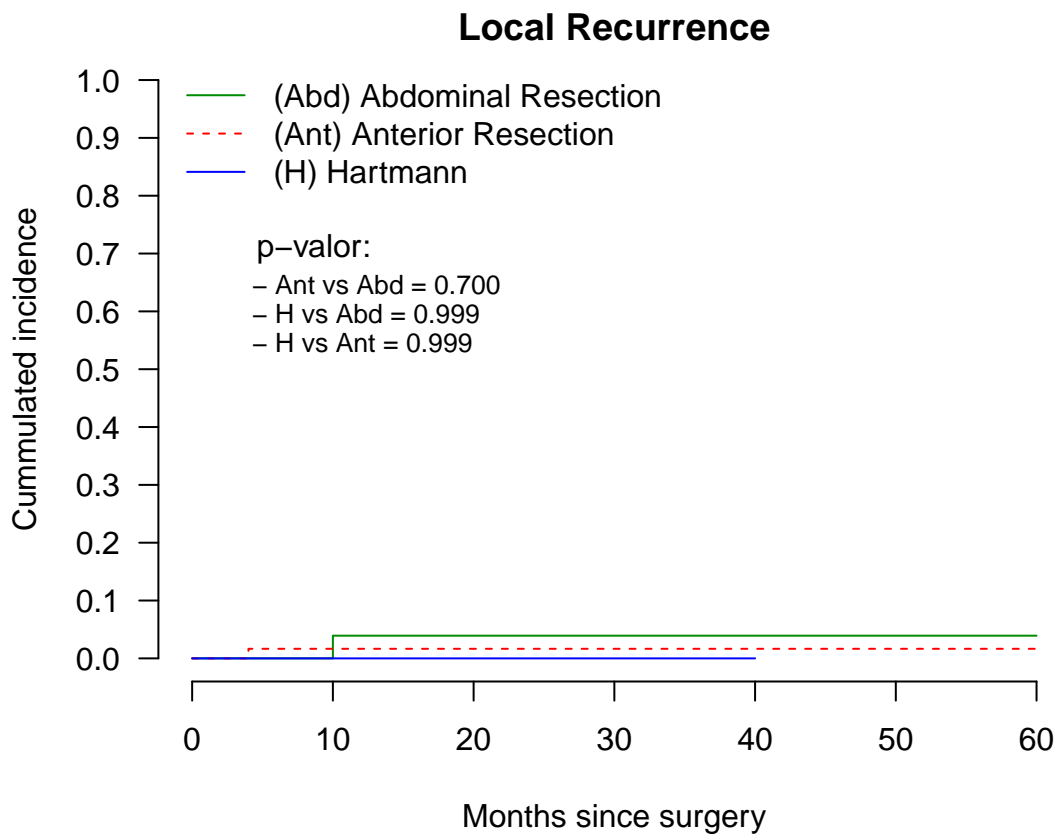
- Age, a decade
- Sex, Women
- Tumor level, 13-15cm
- Tumor stage: 1
- Neoadjuvant treatment, No
- Type of resection, Anterior resection
- Perforation, No
- Invasion circumferential margin, No
- Mesorecto Quality, Satisfactory

Figure 3: Exitus



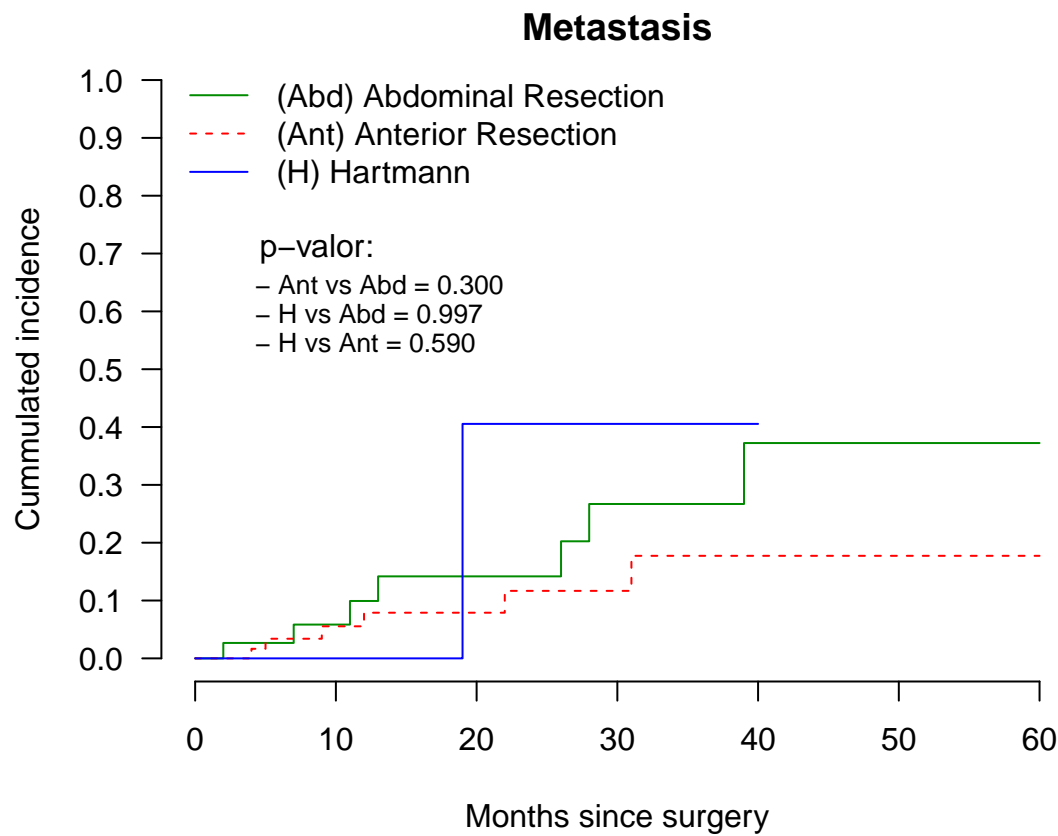
Months	0	12	24	36	48	60
N:	127	73	46	31	12	4

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



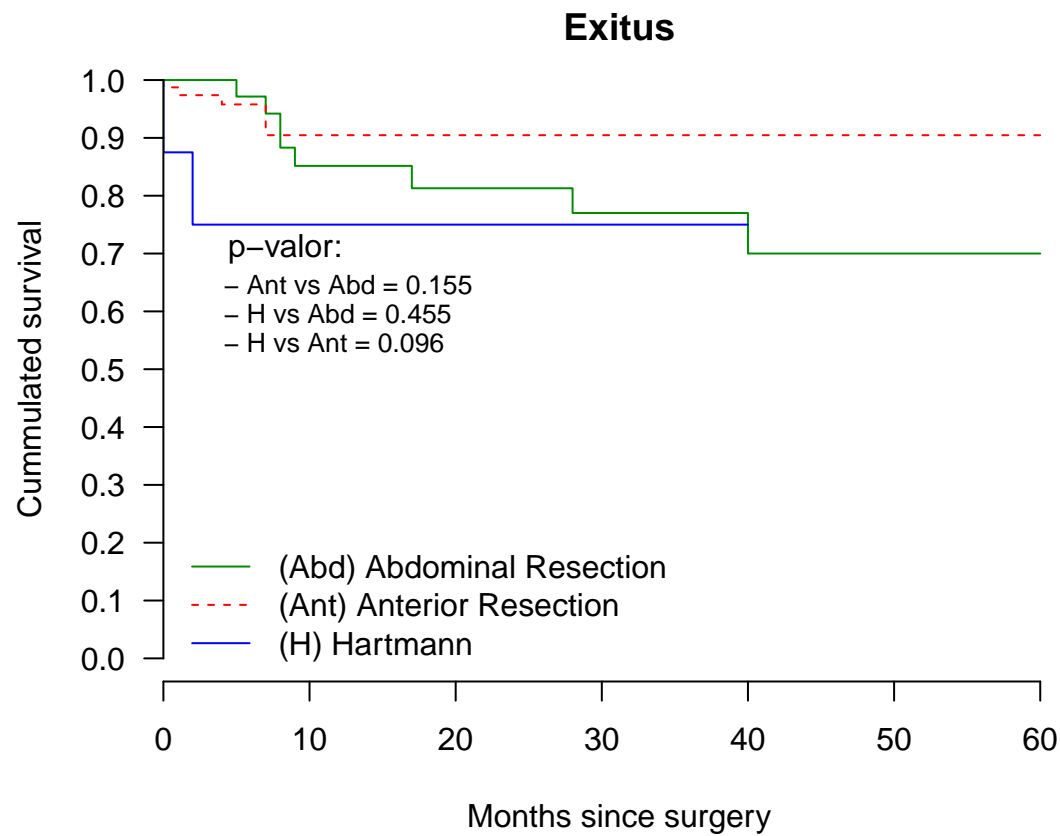
Tiempo	0	12	24	36	48	60
Abd	40	25	19	14	6	2
Ant	79	44	27	18	7	2
H	8	4	2	1	0	0

Figure 5: Metastasis, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	40	24	18	12	6	2
Ant	79	43	24	14	5	1
H	8	4	2	1	0	0

Figure 6: Survival, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	40	26	20	14	6	2
Ant	79	44	27	18	7	2
H	8	4	2	1	0	0

Table 5: Incidence by outcome [95% CI]

Months	Local Recurrence	Metastasis	Exitus
12	2.26 [5.33; 0]	7.83 [13.3; 2.02]	12.56 [18.78; 5.87]
24	2.26 [5.33; 0]	12.92 [20.36; 4.78]	14.07 [20.78; 6.8]
36	2.26 [5.33; 0]	19.97 [29.8; 8.76]	16.07 [23.56; 7.85]
48	2.26 [5.33; 0]	23.61 [34.88; 10.38]	19.3 [28.49; 8.92]
60	2.26 [5.33; 0]	23.61 [34.88; 10.38]	19.3 [28.49; 8.92]