

WIKINGO Project Systematic Analysis

Tables & Figures.

Proyecto Vikingo

September 29, 2016

`proyectovikingo@proyectovikingo.es`

Contents

List of Tables

1	Participant characteristics	3
2	According to Local Recurrence	4
3	According to Metastasis	6
4	According to Exitus	8
5	Incidence by outcome [95% CI]	13

List of Figures

1	Local Recurrence	5
2	Metastasis	7
3	Exitus	9
4	Local Recurrence, according to Type of Resection:	10
5	Metastasis, according to Type of Resection:	11
6	Survival, according to Type of Resection:	12

Table 1: Participant characteristics

	[ALL] N=198	N
Age	66.7 (10.9)	198
Sex: Men	157 (79.3%)	198
Tumor level:		198
0-6cm	78 (39.4%)	
7-12cm	101 (51.0%)	
13-15cm	19 (9.60%)	
Tumor stage:		198
0	19 (9.60%)	
I	63 (31.8%)	
II	54 (27.3%)	
III	62 (31.3%)	
Neoadjuvant treatment	124 (62.6%)	198
Type of resection:		198
Abdominoperineal resection	54 (27.3%)	
Anterior resection	131 (66.2%)	
Hartmann	13 (6.57%)	
Perforation	5 (2.53%)	198
Invasion circumferential margin	18 (9.14%)	197
Mesorecto quality:		198
Satisfactory	144 (72.7%)	
Partial	51 (25.8%)	
No-satisfactory	3 (1.52%)	
Recidive	7 (3.54%)	198
Months to recidive	47.0 [25.0;60.0]	198
Metastasis	30 (15.2%)	198
Months to Metastasis	45.0 [19.0;60.0]	198
Exitus	37 (18.7%)	198
Months to exitus	48.5 [25.0;60.0]	198

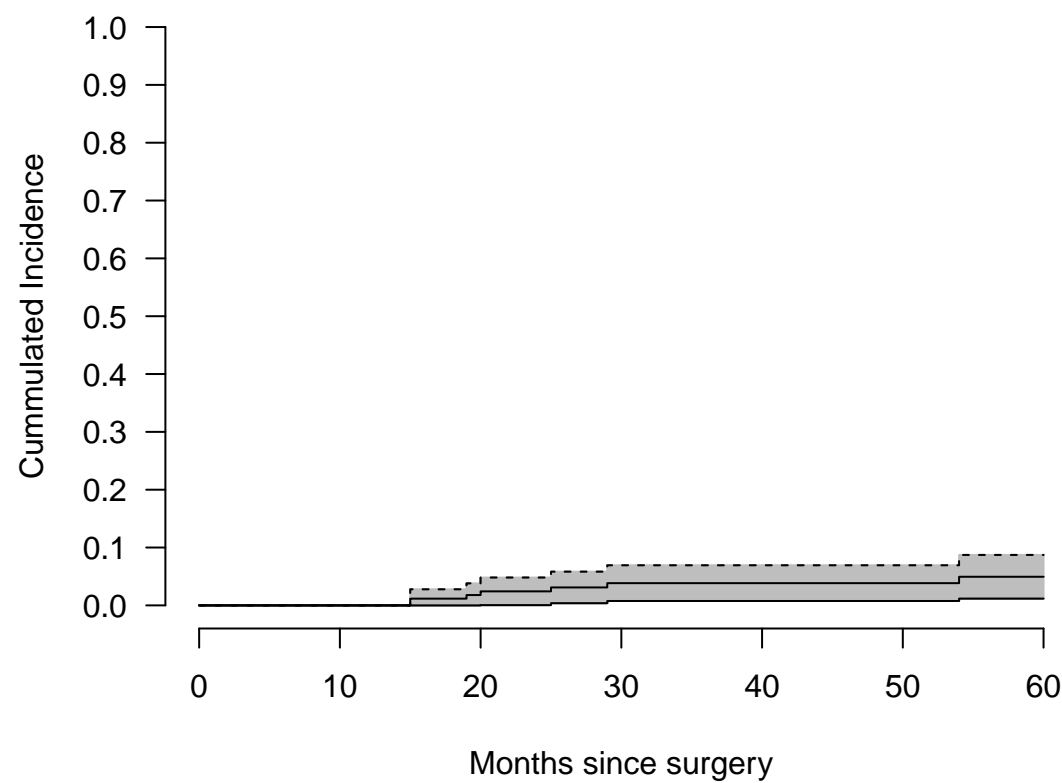
Table 2: According to Local Recurrence

	No event n= 191	Event n= 7	Crude HR	p-value	Multivariate HR	p-value
Age (10y)	6.68 (1.08)	6.30 (1.33)	0.75 [0.39;1.43]	0.378	1.03 [0.46; 2.32]	0.944
Sex: Men	151 (79.1%)	6 (85.7%)	1.61 [0.19;13.3]	0.661	5.21 [0.31; 87.24]	0.251
Tumor level:						
0-6cm	74 (38.7%)	4 (57.1%)	114873772 [0.00;.]	0.998	95806662.52 [0.00; Inf]	0.999
7-12cm	98 (51.3%)	3 (42.9%)	62054667 [0.00;.]	0.999	76627894.59 [0.00; Inf]	0.999
Tumor stage:						
0	19 (9.95%)	0 (0.00%)	0.00 [0.00;.]	0.999	0.00 [0.00; Inf]	0.999
II	52 (27.2%)	2 (28.6%)	1.14 [0.16;8.08]	0.898	1.62 [0.16; 16.30]	0.681
III	59 (30.9%)	3 (42.9%)	1.78 [0.30;10.6]	0.529	0.70 [0.05; 9.57]	0.792
Neoadjuvant treatment	118 (61.8%)	6 (85.7%)	4.06 [0.49;33.8]	0.194	16.66 [0.51; 541.24]	0.113
Type of resection:						
Abdominoperineal resection	51 (26.7%)	3 (42.9%)	2.52 [0.51;12.5]	0.259	0.89 [0.04; 17.72]	0.937
Hartmann	12 (6.28%)	1 (14.3%)	3.90 [0.40;37.9]	0.241	4.85 [0.35; 68.20]	0.241
Perforation	3 (1.57%)	2 (28.6%)	15.2 [2.93;78.6]	0.001	362.53 [10.47;12551.69]	0.001
Invasion circumferential margin	16 (8.42%)	2 (28.6%)	4.16 [0.80;21.6]	0.090	12.99 [0.81; 207.93]	0.07
Mesorrecto quality:						
Partial	50 (26.2%)	1 (14.3%)	0.44 [0.05;3.68]	0.450	0.06 [0.00; 2.33]	0.13
No-satisfactory	3 (1.57%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	0.999

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:	198	175	149	116	97	68

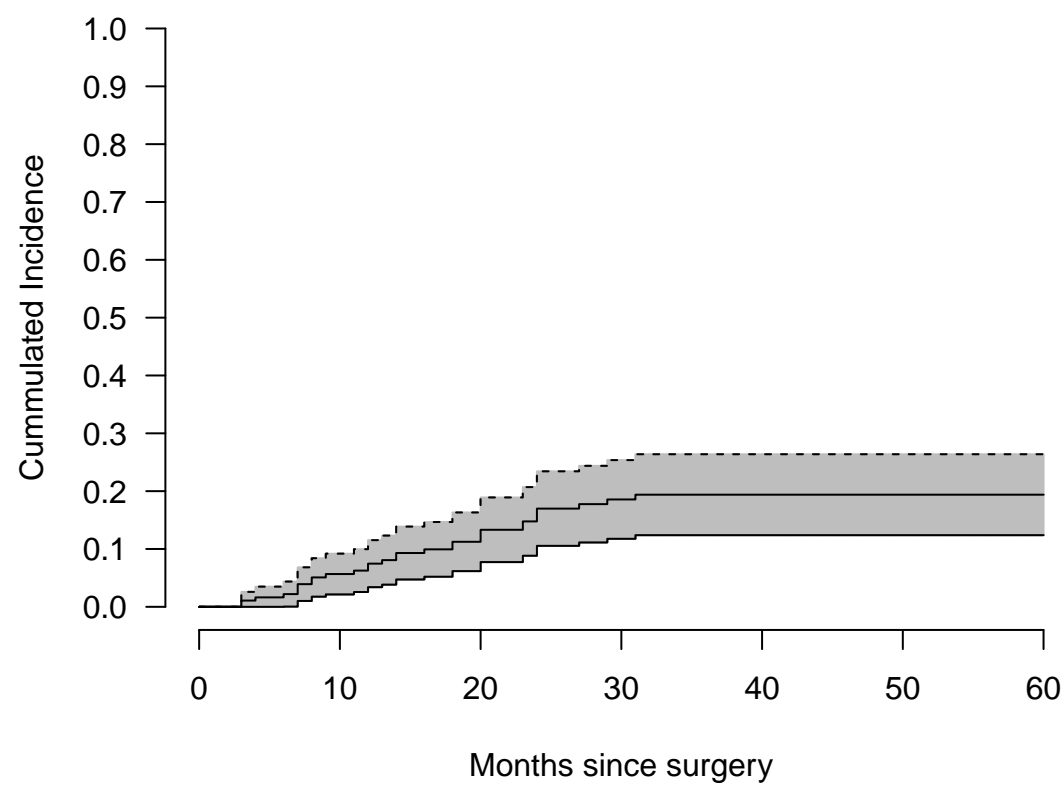
Table 3: According to Metastasis

	No event n= 168	Event n= 30	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.66 (1.07)	6.71 (1.18)	1.05 [0.75;1.46]	0.793	1.15 [0.81; 1.63]	0.45	198
Sex: Men	134 (79.8%)	23 (76.7%)	0.84 [0.36;1.96]	0.689	1.39 [0.53; 3.61]	0.501	198
Tumor level:							198
0-6cm	65 (38.7%)	13 (43.3%)	1.82 [0.41;8.05]	0.432	2.35 [0.36;15.43]	0.375	
7-12cm	86 (51.2%)	15 (50.0%)	1.53 [0.35;6.69]	0.572	1.55 [0.33; 7.38]	0.582	
Tumor stage:							198
0	19 (11.3%)	0 (0.00%)	0.00 [0.00;.]	0.997	0.00 [0.00; Inf]	0.997	
II	49 (29.2%)	5 (16.7%)	0.95 [0.29;3.12]	0.934	1.02 [0.29; 3.61]	0.981	
III	43 (25.6%)	19 (63.3%)	3.93 [1.57;9.85]	0.004	3.70 [1.35;10.13]	0.011	
Neoadjuvant treatment	104 (61.9%)	20 (66.7%)	1.32 [0.62;2.82]	0.476	1.47 [0.60; 3.64]	0.403	198
Type of resection:							198
Abdominoperineal resection	45 (26.8%)	9 (30.0%)	1.21 [0.54;2.69]	0.640	0.72 [0.21; 2.49]	0.603	
Hartmann	10 (5.95%)	3 (10.0%)	1.91 [0.56;6.47]	0.301	1.47 [0.39; 5.54]	0.568	
Perforation	3 (1.79%)	2 (6.67%)	2.59 [0.62;10.9]	0.193	2.83 [0.58;13.76]	0.196	198
Invasion circumferential margin	10 (5.99%)	8 (26.7%)	4.23 [1.88;9.52]	<0.001	2.53 [0.95; 6.73]	0.062	197
Mesorecto quality:							198
Partial	42 (25.0%)	9 (30.0%)	1.22 [0.56;2.66]	0.620	0.90 [0.38; 2.11]	0.8	
No-satisfactory	3 (1.79%)	0 (0.00%)	0.00 [0.00;.]	0.997	0.00 [0.00; Inf]	0.999	

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:	198	165	134	110	95	68

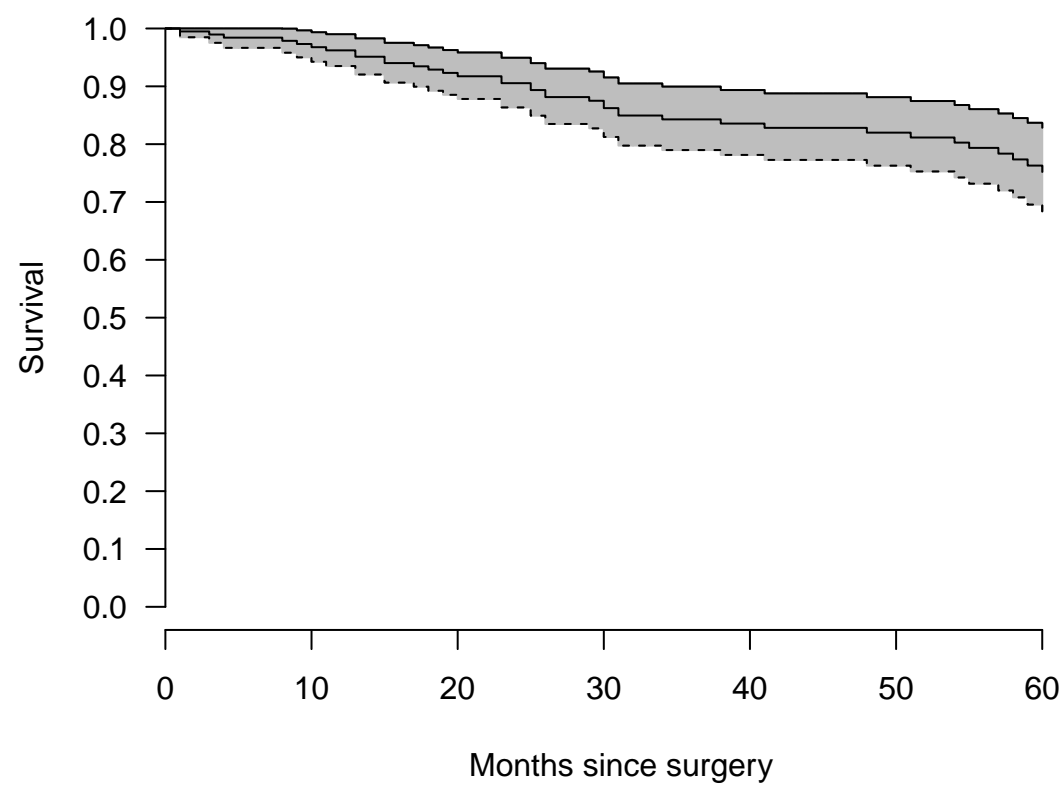
Table 4: According to Exitus

	No event n= 161	Event n= 37	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.60 (1.05)	6.98 (1.20)	1.36 [0.99;1.88]	0.061	1.30 [0.91; 1.86]	0.154	198
Sex: Men	129 (80.1%)	28 (75.7%)	0.85 [0.40;1.81]	0.677	1.35 [0.56; 3.26]	0.501	198
Tumor level:							198
0-6cm	60 (37.3%)	18 (48.6%)	1.81 [0.53;6.16]	0.340	1.44 [0.24; 8.62]	0.688	
7-12cm	85 (52.8%)	16 (43.2%)	1.16 [0.34;3.99]	0.811	1.28 [0.33; 4.88]	0.721	
Tumor stage:							198
0	19 (11.8%)	0 (0.00%)	0.00 [0.00;.]	0.997	0.00 [0.00; Inf]	0.996	
II	47 (29.2%)	7 (18.9%)	1.12 [0.39;3.19]	0.831	1.25 [0.40; 3.90]	0.698	
III	39 (24.2%)	23 (62.2%)	3.84 [1.65;8.96]	0.002	4.05 [1.58;10.39]	0.004	
Neoadjuvant treatment	98 (60.9%)	26 (70.3%)	1.64 [0.81;3.32]	0.171	1.35 [0.57; 3.19]	0.497	198
Type of resection:							198
Abdominoperineal resection	39 (24.2%)	15 (40.5%)	2.20 [1.10;4.41]	0.026	1.97 [0.53; 7.33]	0.311	
Hartmann	8 (4.97%)	5 (13.5%)	4.12 [1.50;11.3]	0.006	2.60 [0.73; 9.24]	0.139	
Perforation	4 (2.48%)	1 (2.70%)	0.83 [0.11;6.04]	0.851	0.82 [0.10; 6.98]	0.856	198
Invasion circumferential margin	10 (6.21%)	8 (22.2%)	3.02 [1.38;6.65]	0.006	1.42 [0.54; 3.77]	0.479	197
Mesorecto quality:							198
Partial	38 (23.6%)	13 (35.1%)	1.41 [0.71;2.80]	0.320	0.88 [0.41; 1.89]	0.738	
No-satisfactory	2 (1.24%)	1 (2.70%)	1.41 [0.19;10.5]	0.736	0.31 [0.03; 2.88]	0.302	

Reference categories:

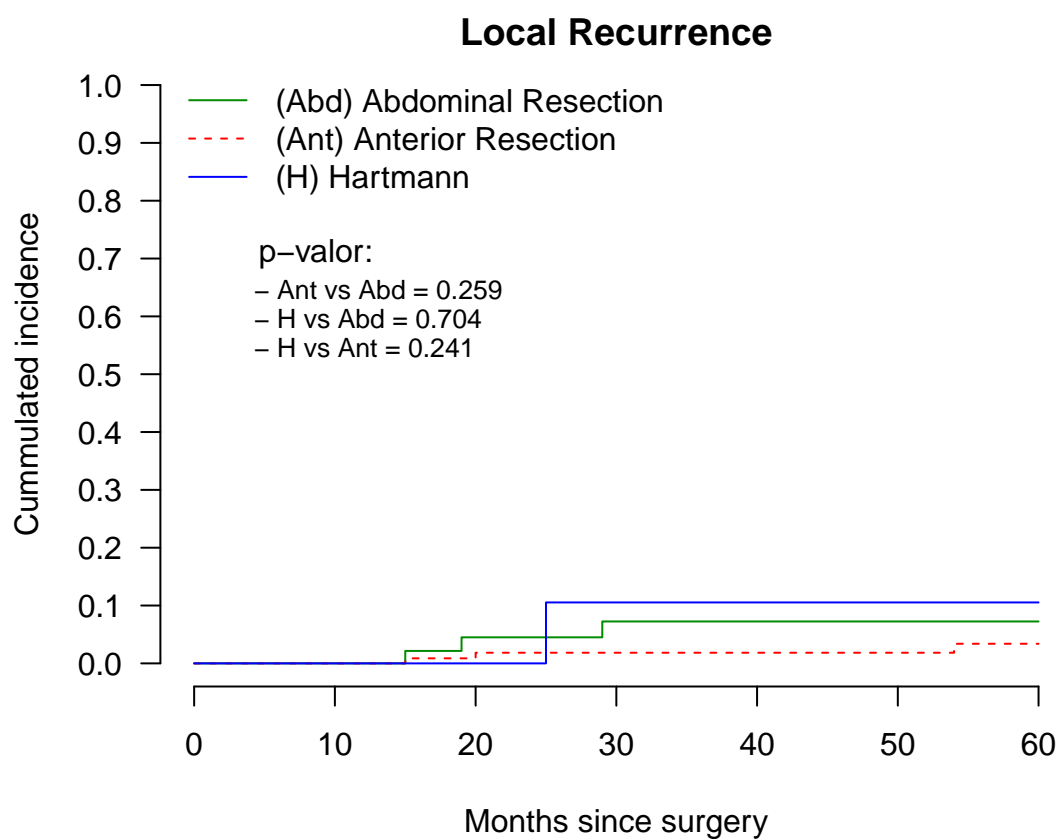
- Age, a decade
- Sex, Women
- Tumor level, 13-15cm
- Tumor stage: 1
- Neoadjuvant treatment, No
- Type of resection, Anterior resection
- Perforation, No
- Invasion circumferential margin, No
- Mesorecto Quality, Satisfactory

Figure 3: Exitus



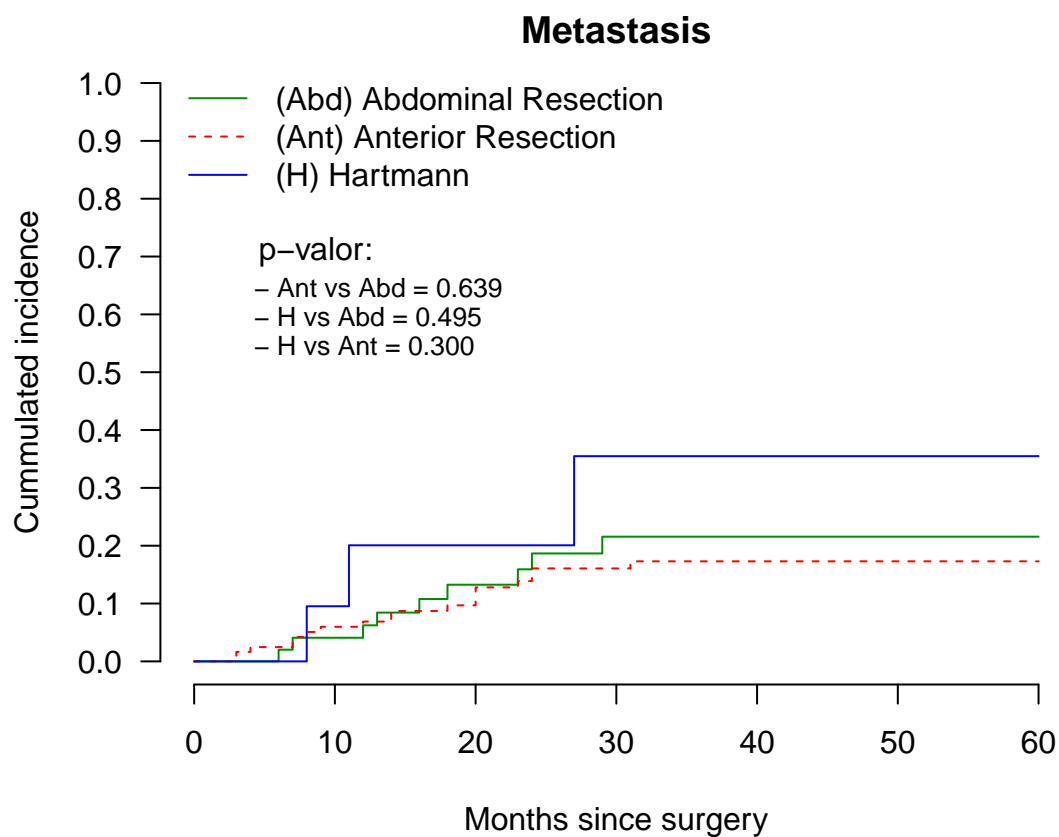
Months	0	12	24	36	48	60
N:	198	175	152	119	99	69

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



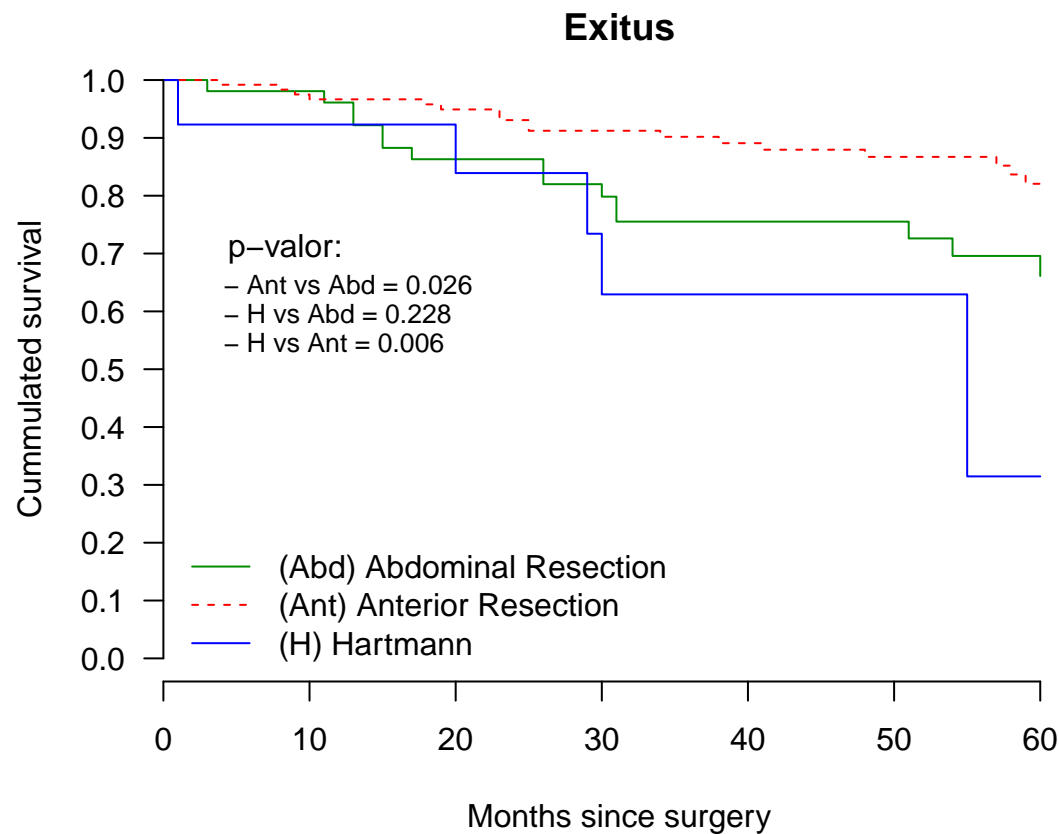
Tiempo	0	12	24	36	48	60
Abd	54	49	40	30	26	20
Ant	131	115	99	82	70	47
H	13	11	10	4	2	1

Figure 5: Metastasis, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	54	47	37	31	27	20
Ant	131	111	92	75	66	47
H	13	9	8	4	2	1

Figure 6: Survival, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	54	49	41	32	27	20
Ant	131	115	101	83	71	48
H	13	11	10	4	2	1

Table 5: Incidence by outcome [95% CI]

Months	Local Recurrence	Metastasis	Exitus
11	0 [0; 0]	7.19 [10.89; 3.35]	3.78 [6.49; 0.99]
23	2.4 [4.69; 0.05]	15.62 [20.88; 10.01]	9.45 [13.64; 5.07]
35	3.77 [6.69; 0.75]	17.62 [23.19; 11.66]	15.72 [21.02; 10.06]
48	3.77 [6.69; 0.75]	17.62 [23.19; 11.66]	18.01 [23.71; 11.88]
60	4.83 [8.35; 1.17]	17.62 [23.19; 11.66]	24.81 [31.74; 17.17]