

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=375	N
Age	70.7 (10.9)	375
Sex: Men	249 (66.4%)	375
Tumor level:		375
0-6cm	180 (48.0%)	
7-12cm	173 (46.1%)	
13-15cm	22 (5.87%)	
Tumor stage:		375
0	34 (9.07%)	
I	106 (28.3%)	
II	109 (29.1%)	
III	126 (33.6%)	
Neoadjuvant treatment	216 (57.6%)	375
Type of resection:		375
Abdominoperineal resection	95 (25.3%)	
Anterior resection	249 (66.4%)	
Hartmann	31 (8.27%)	
Perforation	15 (4.00%)	375
Invasion circumferential margin	25 (6.67%)	375
Mesorecto quality:		374
Satisfactory	335 (89.6%)	
Partial	27 (7.22%)	
No-satisfactory	12 (3.21%)	
Recidive	18 (4.80%)	375
Months to recidive	36.0 [17.0;56.5]	375
Metastasis	62 (16.5%)	375
Months to Metastasis	31.0 [14.0;54.0]	375
Exitus	77 (20.5%)	375
Months to exitus	38.0 [17.0;57.0]	375

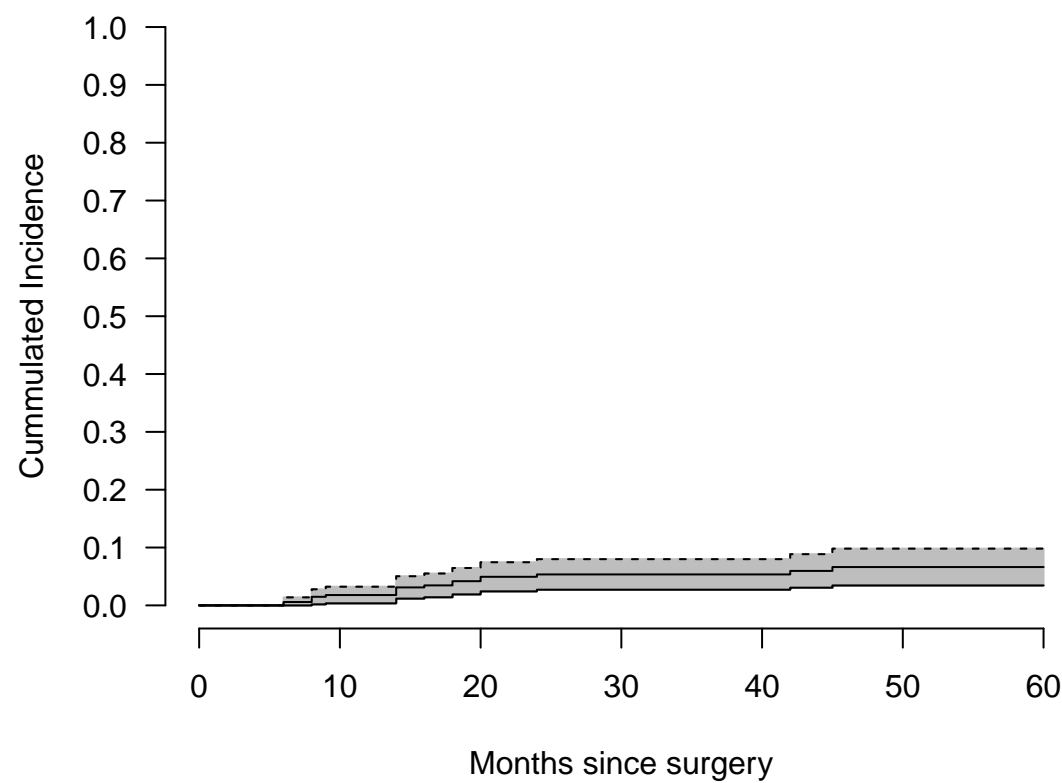
Table 2: According to Local Recurrence

	No event n= 357	Event n= 18	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	7.06 (1.09)	7.16 (1.13)	1.11 [0.70;1.77]	0.664	1.32 [0.78; 2.22]	0.297	375
Sex: Men	234 (65.5%)	15 (83.3%)	2.76 [0.80;9.55]	0.108	3.26 [0.85;12.47]	0.085	375
Tumor level:							375
0-6cm	172 (48.2%)	8 (44.4%)	1.14 [0.14;9.12]	0.902	0.41 [0.03; 5.15]	0.491	
7-12cm	164 (45.9%)	9 (50.0%)	1.37 [0.17;10.8]	0.765	1.38 [0.12;15.32]	0.792	
Tumor stage:							375
0	34 (9.52%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	0.998	
II	104 (29.1%)	5 (27.8%)	1.08 [0.31;3.72]	0.908	0.23 [0.05; 1.09]	0.064	
III	118 (33.1%)	8 (44.4%)	1.51 [0.49;4.62]	0.470	0.54 [0.14; 2.05]	0.362	
Neoadjuvant treatment	202 (56.6%)	14 (77.8%)	2.60 [0.86;7.91]	0.092	9.09 [2.02;41.04]	0.004	375
Type of resection:							375
Abdominoperineal resection	90 (25.2%)	5 (27.8%)	1.38 [0.47;4.04]	0.557	1.32 [0.21; 8.30]	0.769	
Hartmann	28 (7.84%)	3 (16.7%)	2.77 [0.76;10.1]	0.122	4.00 [0.89;18.00]	0.071	
Perforation	11 (3.08%)	4 (22.2%)	9.17 [3.02;27.9]	<0.001	4.18 [0.83;20.96]	0.082	375
Invasion circumferential margin	17 (4.76%)	8 (44.4%)	12.9 [5.10;32.8]	<0.001	23.13 [5.50;97.25]	<0.001	375
Mesorecto quality:							374
Partial	26 (7.30%)	1 (5.56%)	0.81 [0.11;6.11]	0.836	0.77 [0.09; 6.78]	0.813	
No-satisfactory	10 (2.81%)	2 (11.1%)	4.75 [1.08;20.9]	0.039	0.24 [0.03; 1.79]	0.165	

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:	375	310	240	185	131	83

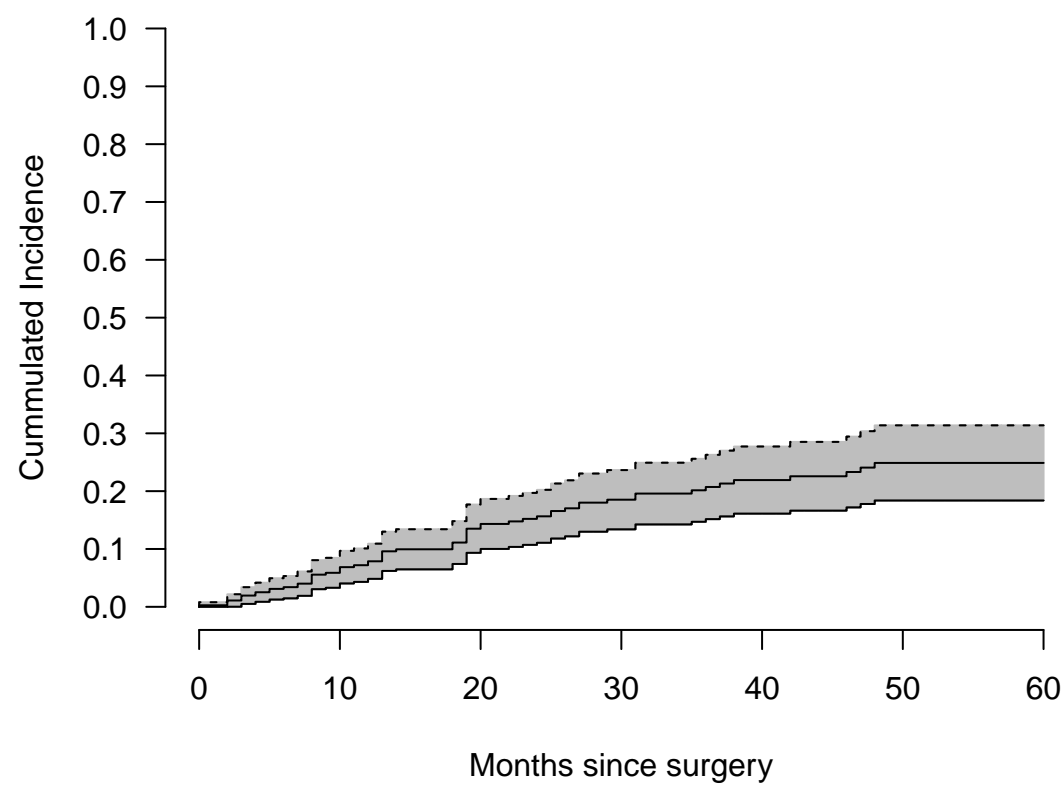
Table 3: According to Metastasis

	No event n= 313	Event n= 62	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	7.08 (1.09)	7.02 (1.08)	0.95 [0.75;1.21]	0.689	0.99 [0.76; 1.28]	0.916	375
Sex: Men	201 (64.2%)	48 (77.4%)	1.89 [1.04;3.42]	0.037	1.70 [0.93; 3.12]	0.086	375
Tumor level:							375
0-6cm	148 (47.3%)	32 (51.6%)	2.49 [0.60;10.4]	0.211	2.30 [0.48;10.94]	0.295	
7-12cm	145 (46.3%)	28 (45.2%)	2.26 [0.54;9.49]	0.266	2.38 [0.54;10.51]	0.251	
Tumor stage:							375
0	33 (10.5%)	1 (1.61%)	0.35 [0.04;2.77]	0.320	0.27 [0.03; 2.16]	0.217	
II	89 (28.4%)	20 (32.3%)	2.46 [1.12;5.41]	0.025	1.79 [0.79; 4.08]	0.162	
III	94 (30.0%)	32 (51.6%)	3.59 [1.71;7.52]	0.001	3.22 [1.50; 6.92]	0.003	
Neoadjuvant treatment	174 (55.6%)	42 (67.7%)	1.67 [0.98;2.85]	0.059	1.57 [0.87; 2.84]	0.132	375
Type of resection:							375
Abdominoperineal resection	76 (24.3%)	19 (30.6%)	1.49 [0.85;2.58]	0.161	1.43 [0.65; 3.15]	0.373	
Hartmann	25 (7.99%)	6 (9.68%)	1.44 [0.61;3.40]	0.412	1.38 [0.54; 3.49]	0.5	
Perforation	12 (3.83%)	3 (4.84%)	1.53 [0.48;4.87]	0.476	0.61 [0.17; 2.28]	0.465	375
Invasion circumferential margin	15 (4.79%)	10 (16.1%)	3.15 [1.60;6.21]	0.001	2.66 [1.22; 5.76]	0.013	375
Mesorecto quality:							374
Partial	21 (6.73%)	6 (9.68%)	1.51 [0.65;3.52]	0.335	1.37 [0.55; 3.43]	0.505	
No-satisfactory	10 (3.21%)	2 (3.23%)	1.38 [0.33;5.66]	0.658	0.51 [0.10; 2.58]	0.412	

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:	375	293	220	169	120	77

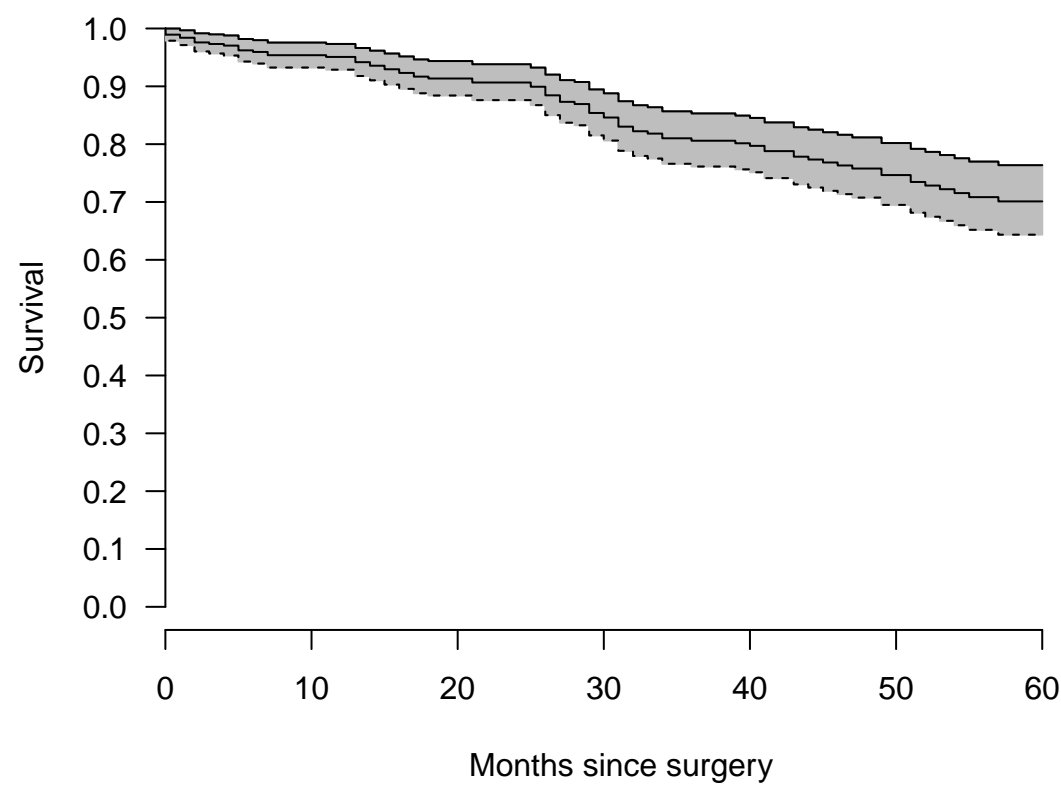
Table 4: According to Exitus

	No event n= 298	Event n= 77	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.94 (1.09)	7.54 (0.92)	1.68 [1.31;2.16]	<0.001	1.52 [1.16;2.00]	0.003	375
Sex: Men	198 (66.4%)	51 (66.2%)	1.11 [0.69;1.78]	0.673	1.29 [0.79;2.12]	0.314	375
Tumor level:							375
0-6cm	141 (47.3%)	39 (50.6%)	1.57 [0.56;4.41]	0.387	1.78 [0.57;5.53]	0.32	
7-12cm	139 (46.6%)	34 (44.2%)	1.42 [0.50;4.02]	0.504	1.59 [0.54;4.64]	0.399	
Tumor stage:							375
0	34 (11.4%)	0 (0.00%)	0.00 [0.00;.]	0.996	0.00 [0.00; Inf]	0.995	
II	84 (28.2%)	25 (32.5%)	1.88 [0.99;3.57]	0.054	1.77 [0.91;3.44]	0.091	
III	89 (29.9%)	37 (48.1%)	2.35 [1.29;4.27]	0.005	2.16 [1.15;4.04]	0.016	
Neoadjuvant treatment	180 (60.4%)	36 (46.8%)	0.71 [0.45;1.11]	0.134	0.77 [0.46;1.29]	0.329	375
Type of resection:							375
Abdominoperineal resection	75 (25.2%)	20 (26.0%)	1.44 [0.84;2.46]	0.183	1.29 [0.63;2.66]	0.488	
Hartmann	14 (4.70%)	17 (22.1%)	3.89 [2.20;6.86]	<0.001	2.06 [1.07;3.98]	0.031	
Perforation	9 (3.02%)	6 (7.79%)	2.67 [1.16;6.15]	0.021	0.81 [0.23;2.84]	0.748	375
Invasion circumferential margin	14 (4.70%)	11 (14.3%)	2.51 [1.33;4.76]	0.005	1.39 [0.57;3.41]	0.467	375
Mesorecto quality:							374
Partial	21 (7.07%)	6 (7.79%)	1.26 [0.54;2.90]	0.594	1.13 [0.46;2.80]	0.788	
No-satisfactory	5 (1.68%)	7 (9.09%)	4.77 [2.17;10.5]	<0.001	2.09 [0.63;6.94]	0.229	

Reference categories:

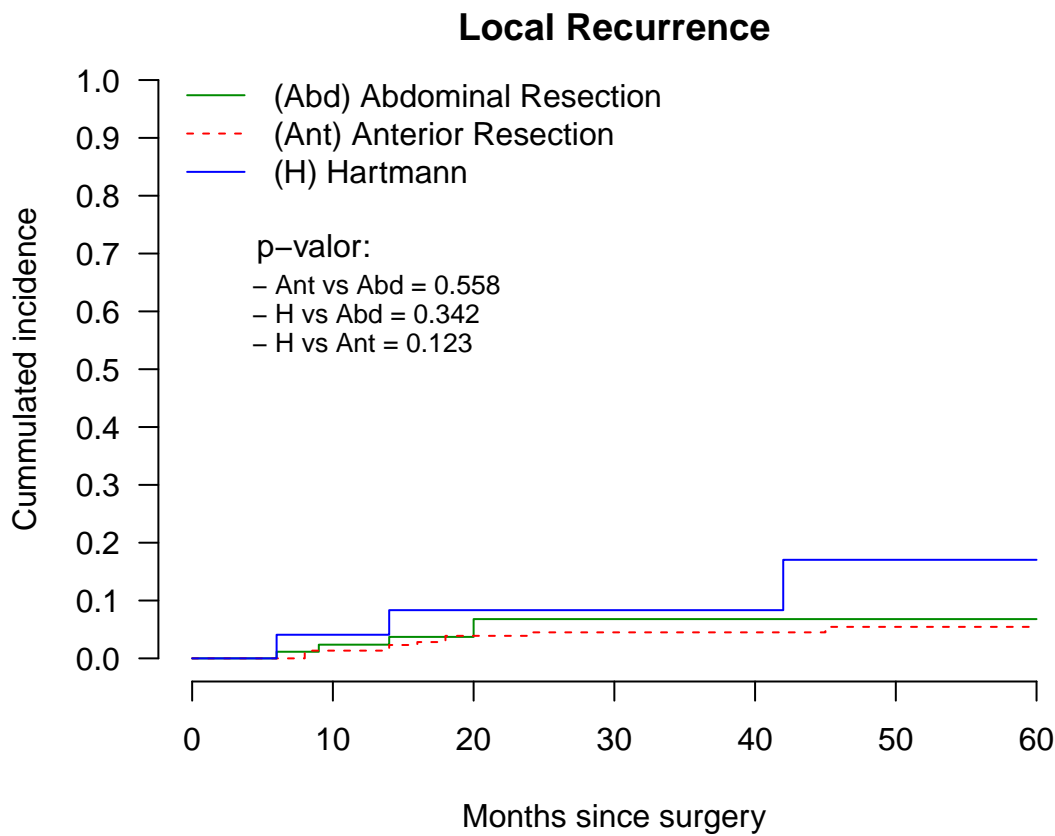
- Age, a decade
- Sex, Women
- Tumor level, 13-15cm
- Tumor stage: 1
- Neoadjuvant treatment, No
- Type of resection, Anterior resection
- Perforation, No
- Invasion circumferential margin, No
- Mesorecto Quality, Satisfactory

Figure 3: Exitus



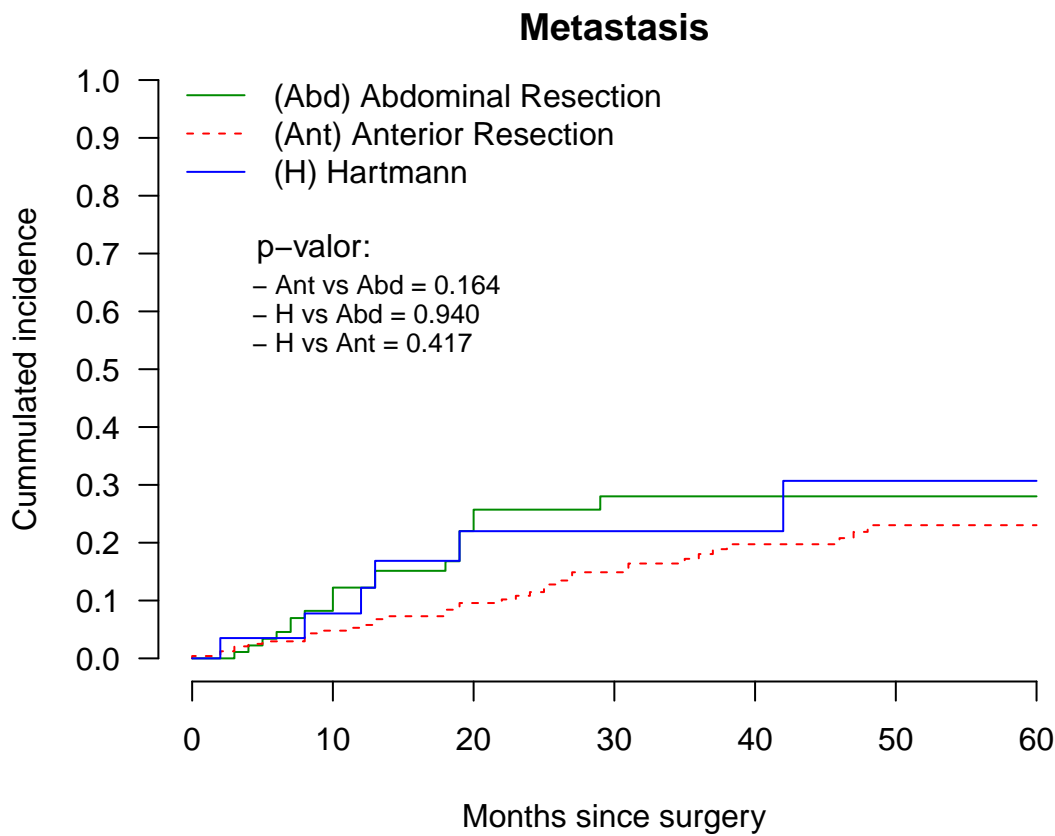
Months	0	12	24	36	48	60
N:	375	315	248	188	134	84

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



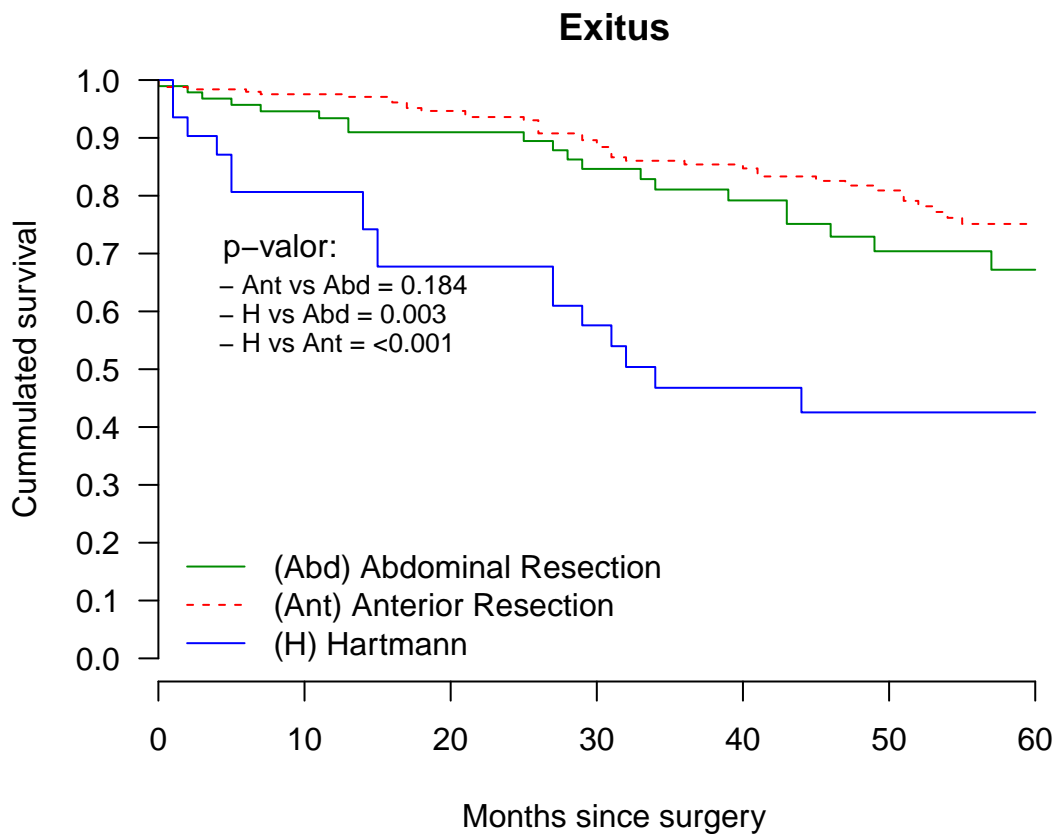
Tiempo	0	12	24	36	48	60
Abd	95	76	59	44	30	19
Ant	249	211	166	132	95	58
H	31	24	19	13	9	6

Figure 5: Metastasis, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	95	70	49	39	28	17
Ant	249	203	157	122	87	54
H	31	23	19	13	9	6

Figure 6: Survival, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	95	77	61	44	30	19
Ant	249	214	171	135	98	59
H	31	25	20	13	9	6

Table 5: Incidence by outcome [95% CI]

Months	Local Recurrence	Metastasis	Exitus
12	1.77 [3.16; 0.36]	7.57 [10.33; 4.72]	4.92 [7.11; 2.68]
24	5.21 [7.68; 2.68]	14.49 [18.31; 10.49]	9.34 [12.38; 6.19]
36	5.21 [7.68; 2.68]	18.72 [23.11; 14.07]	19.41 [23.86; 14.7]
48	6.41 [9.33; 3.39]	22.03 [26.93; 16.8]	24.21 [29.23; 18.84]
60	6.41 [9.33; 3.39]	22.03 [26.93; 16.8]	29.9 [35.65; 23.64]