

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=217	N
Age	67.0 (11.2)	217
Sex: Men	145 (66.8%)	217
Tumor level:		217
0-6cm	77 (35.5%)	
7-12cm	119 (54.8%)	
13-15cm	21 (9.68%)	
Tumor stage:		217
0	11 (5.07%)	
I	72 (33.2%)	
II	61 (28.1%)	
III	73 (33.6%)	
Neoadjuvant treatment	116 (53.5%)	217
Type of resection:		217
Abdominoperineal resection	36 (16.6%)	
Anterior resection	168 (77.4%)	
Hartmann	13 (5.99%)	
Perforation	7 (3.23%)	217
Invasion circumferential margin	25 (11.5%)	217
Mesorecto quality:		217
Satisfactory	190 (87.6%)	
Partial	23 (10.6%)	
No-satisfactory	4 (1.84%)	
Recidive	2 (0.92%)	217
Months to recidive	13.0 [1.00;32.0]	217
Metastasis	13 (5.99%)	217
Months to Metastasis	13.0 [1.00;31.0]	217
Exitus	28 (12.9%)	217
Months to exitus	14.0 [1.00;32.0]	217

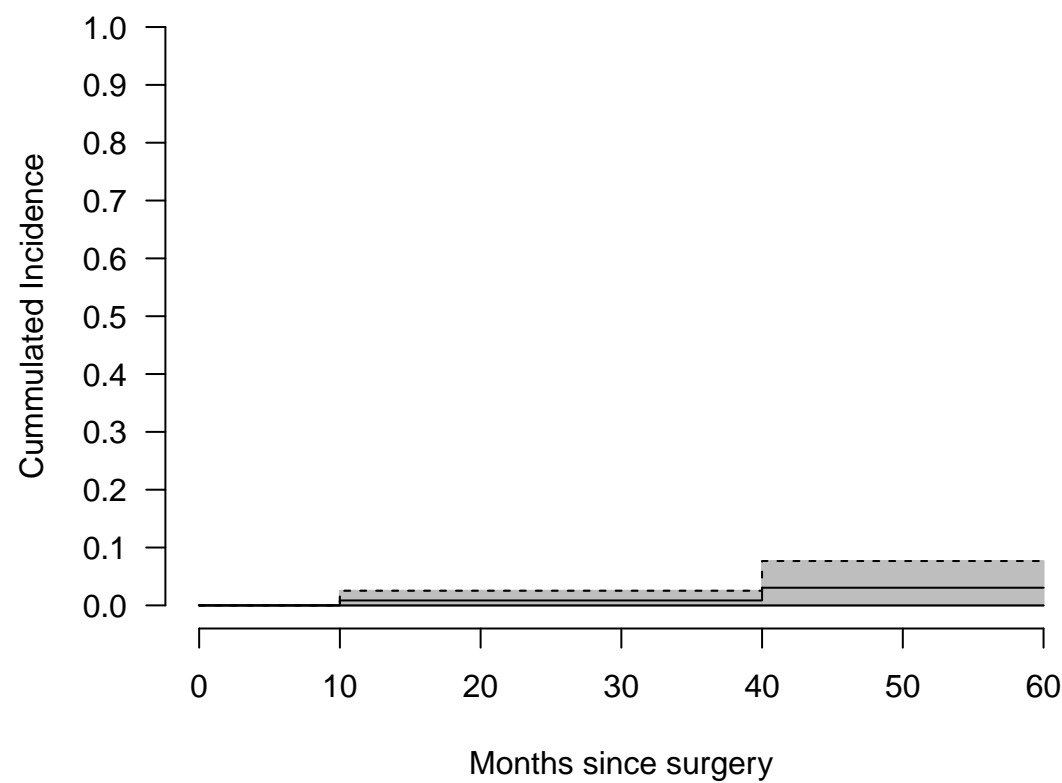
Table 2: According to Local Recurrence

	No event n= 215	Event n= 2	Crude HR	p-value	Multivariate HR
Age (10y)	6.72 (1.11)	5.50 (2.40)	0.55 [0.22;1.41]	0.213	0.00 [0; 7.567196e+06]
Sex: Men	143 (66.5%)	2 (100%)	312383791 [0.00;.]	0.999	11.70 [0; 2.301150e+91]
Tumor level:					
0-6cm	76 (35.3%)	1 (50.0%)	32397503 [0.00;.]	0.999	0.13 [0; Inf]
7-12cm	118 (54.9%)	1 (50.0%)	22441877 [0.00;.]	0.999	132.37 [0; Inf]
Tumor stage:					
0	11 (5.12%)	0 (0.00%)	1.00 [0.00;.]	1.000	7038136061.88 [0;5.004892e+109]
II	60 (27.9%)	1 (50.0%)	403215848 [0.00;.]	0.999	237919956281.51 [0; 1.367559e+68]
III	72 (33.5%)	1 (50.0%)	364384595 [0.00;.]	0.999	204.85 [0; 1.024833e+55]
Neoadjuvant treatment	115 (53.5%)	1 (50.0%)	0.57 [0.04;9.18]	0.694	0.00 [0; 3.644987e+16]
Type of resection:					
Abdominoperineal resection	35 (16.3%)	1 (50.0%)	3.56 [0.22;56.9]	0.369	7666888339335.99 [0;1.931279e+140]
Hartmann	13 (6.05%)	0 (0.00%)	0.00 [0.00;.]	0.999	5510183263.29 [0; Inf]
Perforation	7 (3.26%)	0 (0.00%)	0.00 [0.00;.]	0.999	0.00 [0; Inf]
Invasion circumferential margin	25 (11.6%)	0 (0.00%)	0.00 [0.00;.]	0.999	0.00 [0; 2.199008e+30]
Mesorrecto quality:					
Partial	23 (10.7%)	0 (0.00%)	0.00 [0.00;.]	0.999	29.88 [0; 2.258457e+56]
No-satisfactory	4 (1.86%)	0 (0.00%)	0.00 [0.00;.]	1.000	2047.65 [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:	217	113	76	50	30	12

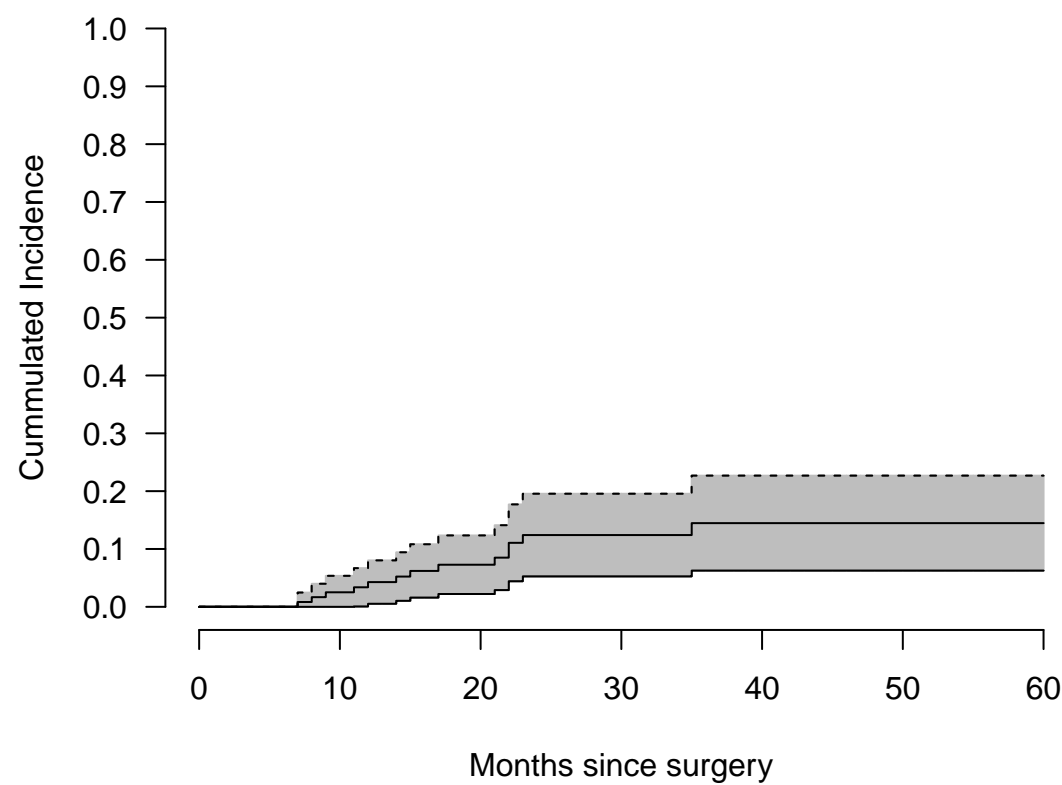
Table 3: According to Metastasis

	No event n= 204	Event n= 13	Crude HR	p-value	Multivariate HR	p-value
Age (10y)	6.74 (1.09)	6.20 (1.58)	0.78 [0.52;1.17]	0.234	0.90 [0.53; 1.51]	0.684
Sex: Men	136 (66.7%)	9 (69.2%)	0.87 [0.27;2.83]	0.818	0.83 [0.22; 3.09]	0.781
Tumor level:						
0-6cm	70 (34.3%)	7 (53.8%)	1.20 [0.15;9.77]	0.868	0.57 [0.03; 12.69]	0.722
7-12cm	114 (55.9%)	5 (38.5%)	0.56 [0.06;4.80]	0.596	0.12 [0.01; 2.32]	0.161
Tumor stage:						
0	11 (5.39%)	0 (0.00%)	1.00 [0.00;.]	1.000	1.06 [0.00; Inf]	1
II	59 (28.9%)	2 (15.4%)	190874046 [0.00;.]	0.998	98921846.40 [0.00; Inf]	0.998
III	62 (30.4%)	11 (84.6%)	1040486159 [0.00;.]	0.998	610612396.44 [0.00; Inf]	0.998
Neoadjuvant treatment	105 (51.5%)	11 (84.6%)	3.52 [0.78;15.9]	0.102	3.20 [0.34; 30.11]	0.309
Type of resection:						
Abdominoperineal resection	33 (16.2%)	3 (23.1%)	1.21 [0.33;4.39]	0.776	0.61 [0.12; 3.08]	0.552
Hartmann	13 (6.37%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	0.999
Perforation	7 (3.43%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	0.999
Invasion circumferential margin	22 (10.8%)	3 (23.1%)	2.19 [0.60;7.95]	0.235	1.30 [0.28; 6.00]	0.739
Mesorecto quality:						
Partial	21 (10.3%)	2 (15.4%)	2.16 [0.47;9.85]	0.321	2.38 [0.43; 13.21]	0.322
No-satisfactory	3 (1.47%)	1 (7.69%)	3.41 [0.44;26.7]	0.242	10.73 [0.96;119.84]	0.054

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:	217	110	67	46	28	10

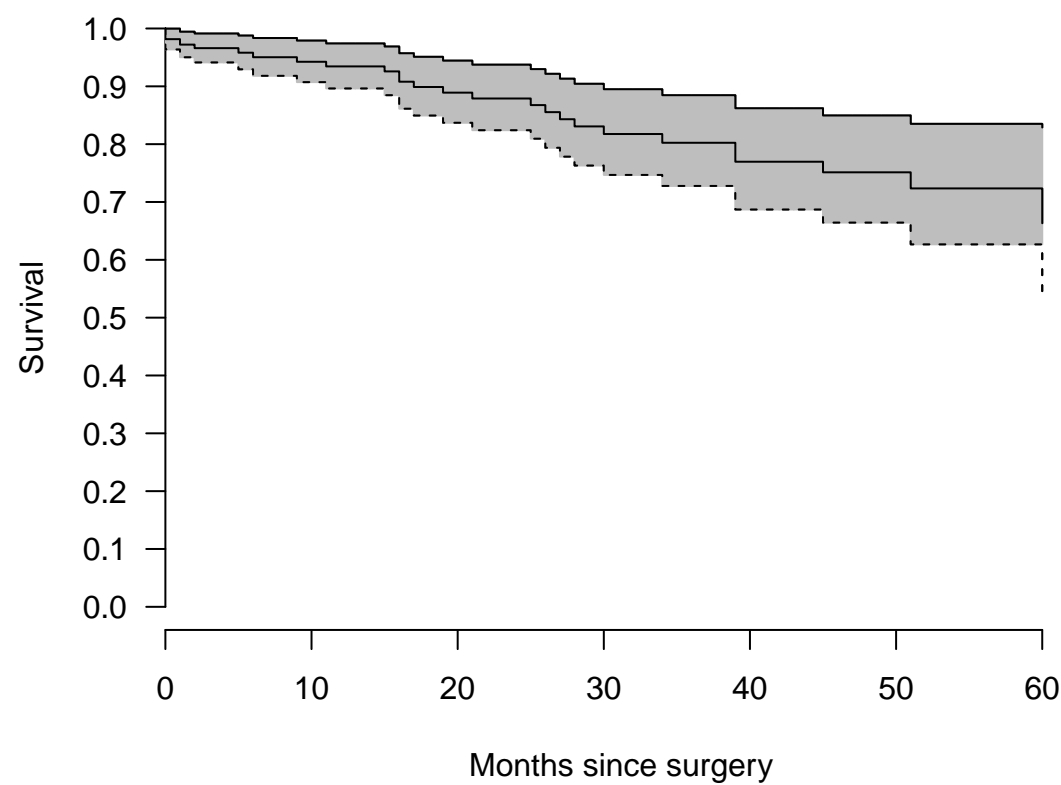
Table 4: According to Exitus

	No event n= 189	Event n= 28	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.65 (1.09)	7.08 (1.26)	1.53 [1.06;2.21]	0.025	1.61 [1.06; 2.46]	0.026	217
Sex: Men	123 (65.1%)	22 (78.6%)	1.49 [0.60;3.69]	0.385	1.71 [0.65; 4.47]	0.274	217
Tumor level:							217
0-6cm	63 (33.3%)	14 (50.0%)	2.15 [0.28;16.5]	0.461	3.33 [0.37;29.66]	0.28	
7-12cm	106 (56.1%)	13 (46.4%)	1.32 [0.17;10.2]	0.791	1.40 [0.17;11.49]	0.754	
Tumor stage:							217
0	10 (5.29%)	1 (3.57%)	0.64 [0.08;5.12]	0.673	0.76 [0.09; 6.46]	0.805	
II	55 (29.1%)	6 (21.4%)	0.75 [0.26;2.16]	0.592	0.72 [0.23; 2.24]	0.574	
III	60 (31.7%)	13 (46.4%)	1.42 [0.59;3.43]	0.439	1.66 [0.64; 4.32]	0.299	
Neoadjuvant treatment	100 (52.9%)	16 (57.1%)	0.83 [0.39;1.77]	0.633	1.08 [0.43; 2.68]	0.876	217
Type of resection:							217
Abdominoperineal resection	32 (16.9%)	4 (14.3%)	0.75 [0.26;2.18]	0.594	0.33 [0.09; 1.18]	0.089	
Hartmann	10 (5.29%)	3 (10.7%)	3.24 [0.94;11.1]	0.062	1.39 [0.32; 5.94]	0.659	
Perforation	6 (3.17%)	1 (3.57%)	1.47 [0.20;10.9]	0.707	2.81 [0.26;30.89]	0.399	217
Invasion circumferential margin	20 (10.6%)	5 (17.9%)	1.58 [0.60;4.16]	0.354	1.98 [0.64; 6.14]	0.237	217
Mesorecto quality:							217
Partial	20 (10.6%)	3 (10.7%)	1.08 [0.33;3.59]	0.899	0.94 [0.26; 3.39]	0.929	
No-satisfactory	4 (2.12%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	0.997	

Reference categories:

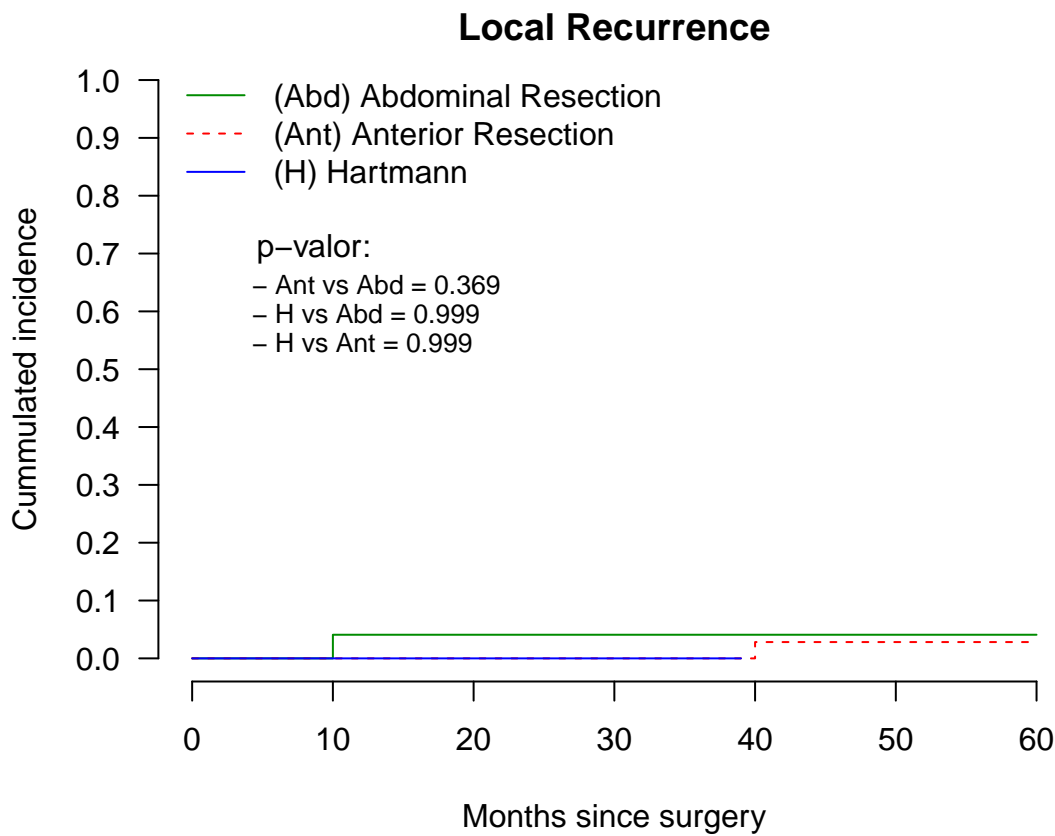
- Age, a decade
- Sex, Women
- Tumor level, 13-15cm
- Tumor stage: 1
- Neoadjuvant treatment, No
- Type of resection, Anterior resection
- Perforation, No
- Invasion circumferential margin, No
- Mesorecto Quality, Satisfactory

Figure 3: Exitus



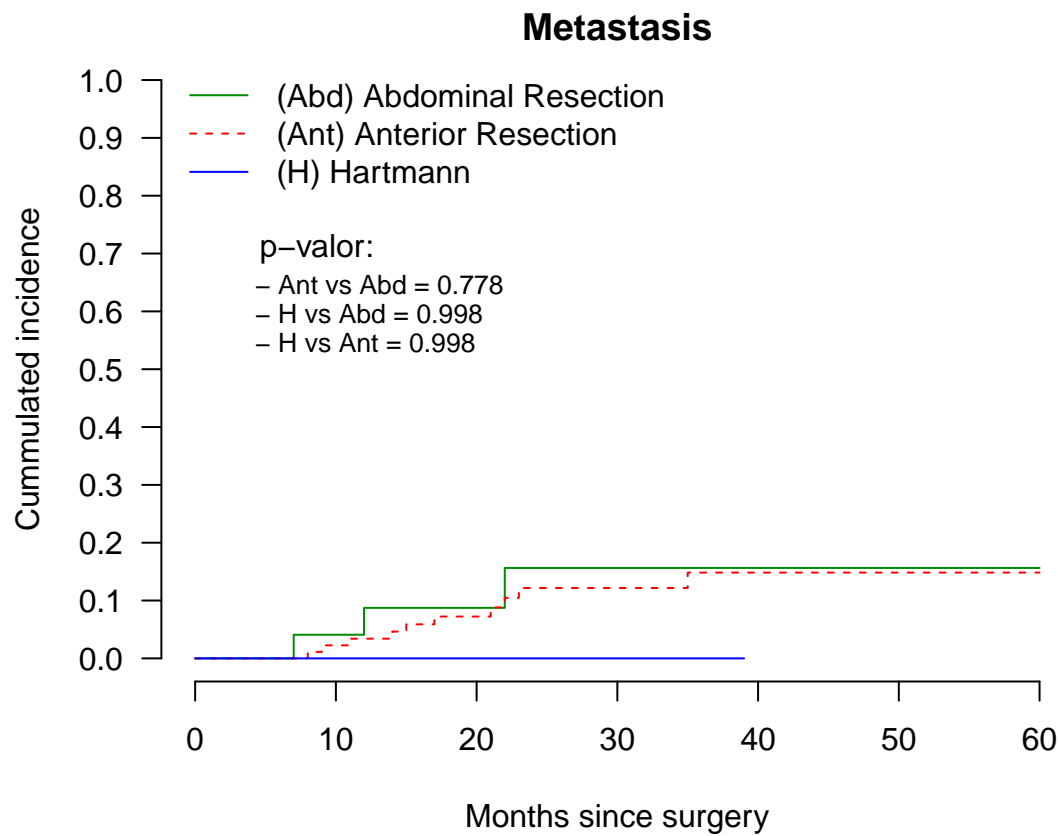
Months	0	12	24	36	48	60
N:	217	114	77	50	30	12

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



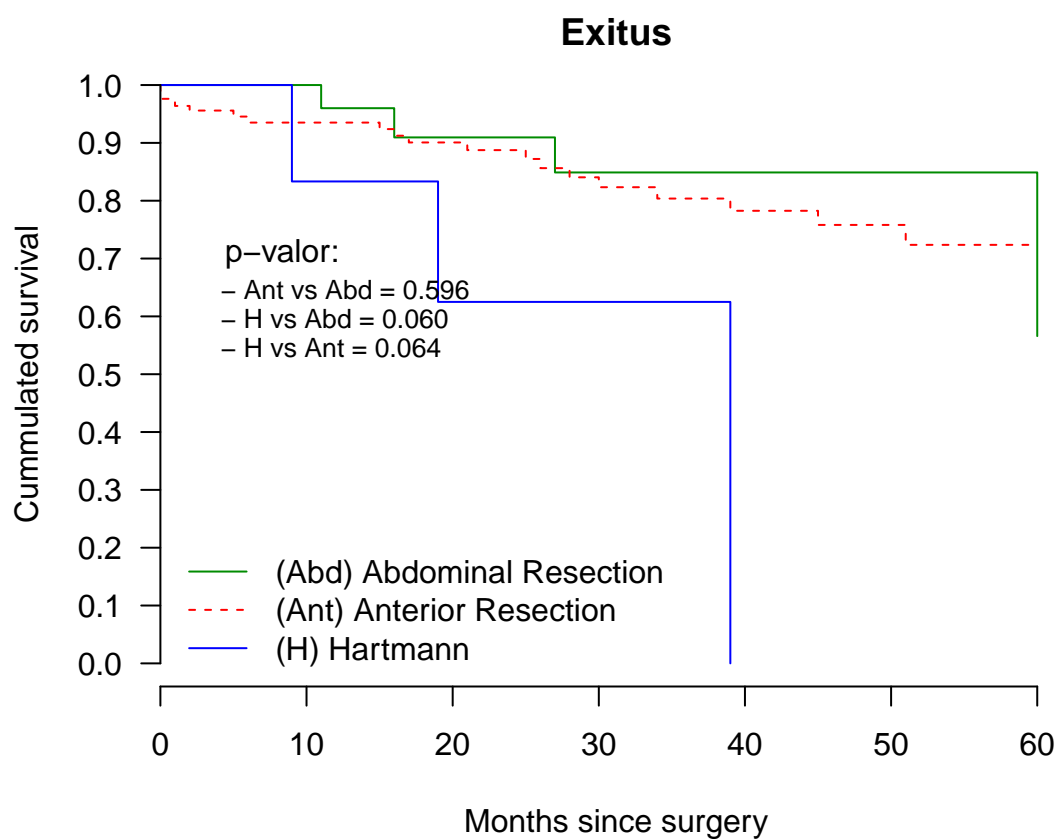
Tiempo	0	12	24	36	48	60
Abd	36	22	16	10	7	3
Ant	168	87	62	41	28	9
H	13	5	2	1	0	0

Figure 5: Metastasis, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	36	22	14	9	6	2
Ant	168	85	55	37	26	8
H	13	5	2	1	0	0

Figure 6: Survival, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	36	23	17	10	7	3
Ant	168	87	62	41	28	9
H	13	5	2	1	0	0

Table 5: Incidence by outcome [95% CI]

Months	Local Recurrence	Metastasis	Exitus
12	0.85 [2.49; 0]	4.18 [7.71; 0.52]	6.55 [10.35; 2.59]
24	0.85 [2.49; 0]	11.67 [17.75; 5.13]	12.1 [17.58; 6.26]
36	0.85 [2.49; 0]	13.47 [20.29; 6.08]	19.76 [27.22; 11.53]
48	3 [7.38; 0]	13.47 [20.29; 6.08]	24.87 [33.56; 15.05]
60	3 [7.38; 0]	13.47 [20.29; 6.08]	33.68 [46.93; 17.12]