

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=197	N
Age	69.7 (11.7)	197
Sex: Men	146 (74.1%)	197
Tumor level:		197
0-6cm	82 (41.6%)	
7-12cm	100 (50.8%)	
13-15cm	15 (7.61%)	
Tumor stage:		197
0	9 (4.57%)	
I	60 (30.5%)	
II	49 (24.9%)	
III	79 (40.1%)	
Neoadjuvant treatment	44 (22.3%)	197
Type of resection:		197
Abdominoperineal resection	65 (33.0%)	
Anterior resection	118 (59.9%)	
Hartmann	14 (7.11%)	
Perforation	26 (13.2%)	197
Invasion circumferential margin	22 (11.2%)	197
Mesorecto quality:		197
Satisfactory	184 (93.4%)	
Partial	11 (5.58%)	
No-satisfactory	2 (1.02%)	
Recidive	6 (3.05%)	197
Months to recidive	32.0 [9.00;50.0]	197
Metastasis	16 (8.12%)	197
Months to Metastasis	32.0 [8.00;50.0]	197
Exitus	36 (18.3%)	197
Months to exitus	34.0 [9.00;51.0]	197

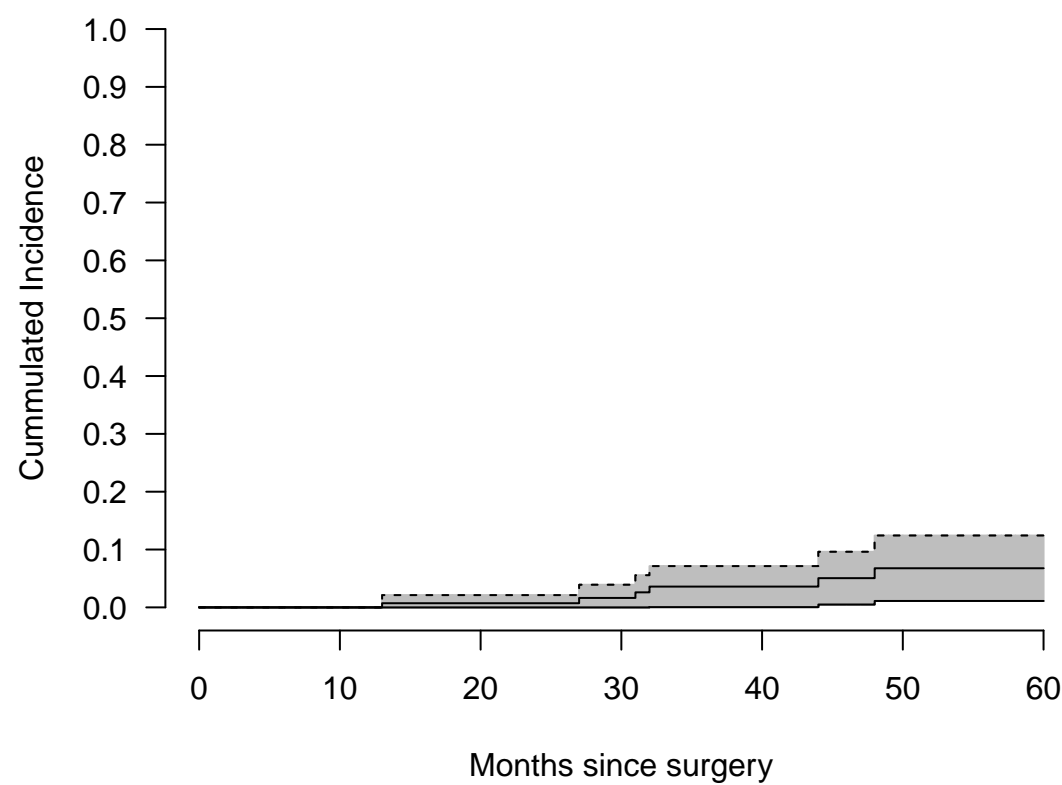
Table 2: According to Local Recurrence

	No event n= 191	Event n= 6	Crude HR	p-value	Multivariate HR	p-value
Age (10y)	7.00 (1.16)	6.07 (1.14)	0.61 [0.32;1.16]	0.131	0.44 [0.19; 1.02]	0.057
Sex: Men	142 (74.3%)	4 (66.7%)	0.70 [0.13;3.83]	0.681	0.72 [0.11; 4.84]	0.733
Tumor level:						
0-6cm	80 (41.9%)	2 (33.3%)	53637118 [0.00;.]	0.999	128937352.91 [0.00; Inf]	0.999
7-12cm	96 (50.3%)	4 (66.7%)	103222780 [0.00;.]	0.999	148403520.20 [0.00; Inf]	0.999
Tumor stage:						
0	9 (4.71%)	0 (0.00%)	0.00 [0.00;.]	0.999	0.00 [0.00; Inf]	1
II	48 (25.1%)	1 (16.7%)	1.31 [0.08;21.0]	0.849	1.61 [0.09; 29.43]	0.749
III	75 (39.3%)	4 (66.7%)	3.50 [0.39;31.3]	0.262	0.85 [0.06; 12.73]	0.906
Neoadjuvant treatment	43 (22.5%)	1 (16.7%)	0.76 [0.09;6.53]	0.804	0.94 [0.08; 11.28]	0.958
Type of resection:						
Abdominoperineal resection	63 (33.0%)	2 (33.3%)	0.83 [0.15;4.56]	0.833	0.63 [0.06; 6.68]	0.7
Hartmann	14 (7.33%)	0 (0.00%)	0.00 [0.00;.]	0.999	0.00 [0.00; Inf]	0.999
Perforation	24 (12.6%)	2 (33.3%)	3.57 [0.65;19.5]	0.142	5.36 [0.68; 42.28]	0.111
Invasion circumferential margin	20 (10.5%)	2 (33.3%)	5.16 [0.94;28.3]	0.059	20.62 [1.56;272.38]	0.022
Mesorrecto quality:						
Partial	11 (5.76%)	0 (0.00%)	0.00 [0.00;.]	0.999	0.00 [0.00; Inf]	0.999
No-satisfactory	2 (1.05%)	0 (0.00%)	0.00 [0.00;.]	1.000	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:	197	140	111	89	56	24

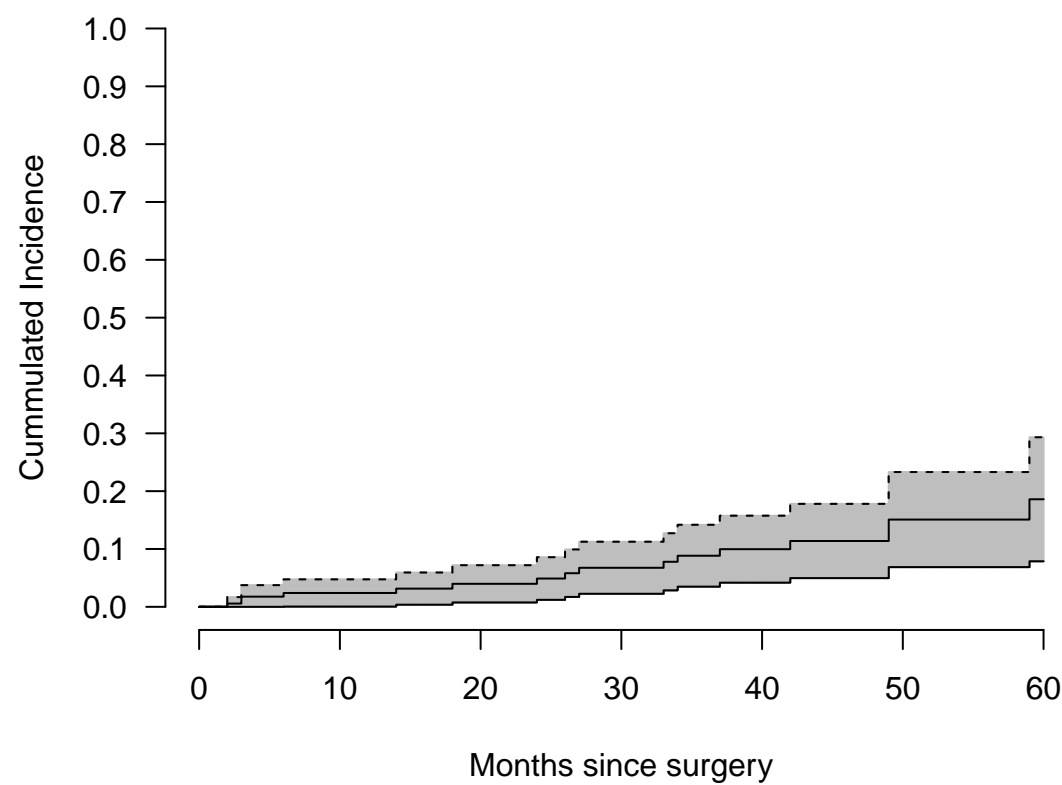
Table 3: According to Metastasis

	No event n= 181	Event n= 16	Crude HR	p-value	Multivariate HR	p-value
Age (10y)	7.01 (1.15)	6.50 (1.31)	0.77 [0.52;1.14]	0.195	0.71 [0.45; 1.11]	0.132
Sex: Men	134 (74.0%)	12 (75.0%)	1.09 [0.35;3.38]	0.882	1.63 [0.48; 5.47]	0.433
Tumor level:						
0-6cm	75 (41.4%)	7 (43.8%)	1.29 [0.16;10.5]	0.813	1.57 [0.12;20.05]	0.729
7-12cm	92 (50.8%)	8 (50.0%)	1.31 [0.16;10.5]	0.801	1.32 [0.13;13.64]	0.818
Tumor stage:						
0	9 (4.97%)	0 (0.00%)	1.01 [0.00;.]	1.000	0.29 [0.00; Inf]	1
II	44 (24.3%)	5 (31.2%)	319778126 [0.00;.]	0.998	447559846.93 [0.00; Inf]	0.998
III	68 (37.6%)	11 (68.8%)	482649754 [0.00;.]	0.998	532028051.50 [0.00; Inf]	0.998
Neoadjuvant treatment	39 (21.5%)	5 (31.2%)	1.91 [0.66;5.53]	0.230	2.94 [0.89; 9.67]	0.076
Type of resection:						
Abdominoperineal resection	60 (33.1%)	5 (31.2%)	1.02 [0.34;3.07]	0.969	0.95 [0.21; 4.33]	0.943
Hartmann	12 (6.63%)	2 (12.5%)	2.61 [0.56;12.2]	0.224	3.27 [0.54;19.92]	0.198
Perforation	24 (13.3%)	2 (12.5%)	1.05 [0.24;4.63]	0.949	0.56 [0.11; 2.72]	0.467
Invasion circumferential margin	19 (10.5%)	3 (18.8%)	1.86 [0.53;6.60]	0.334	1.87 [0.41; 8.42]	0.416
Mesorecto quality:						
Partial	10 (5.52%)	1 (6.25%)	0.88 [0.12;6.68]	0.903	0.85 [0.09; 8.35]	0.892
No-satisfactory	2 (1.10%)	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
- Mesorecto Quality, Satisfactory

Figure 2: Metastasis



Months	0	12	24	36	48	60
N:	197	139	109	89	55	24

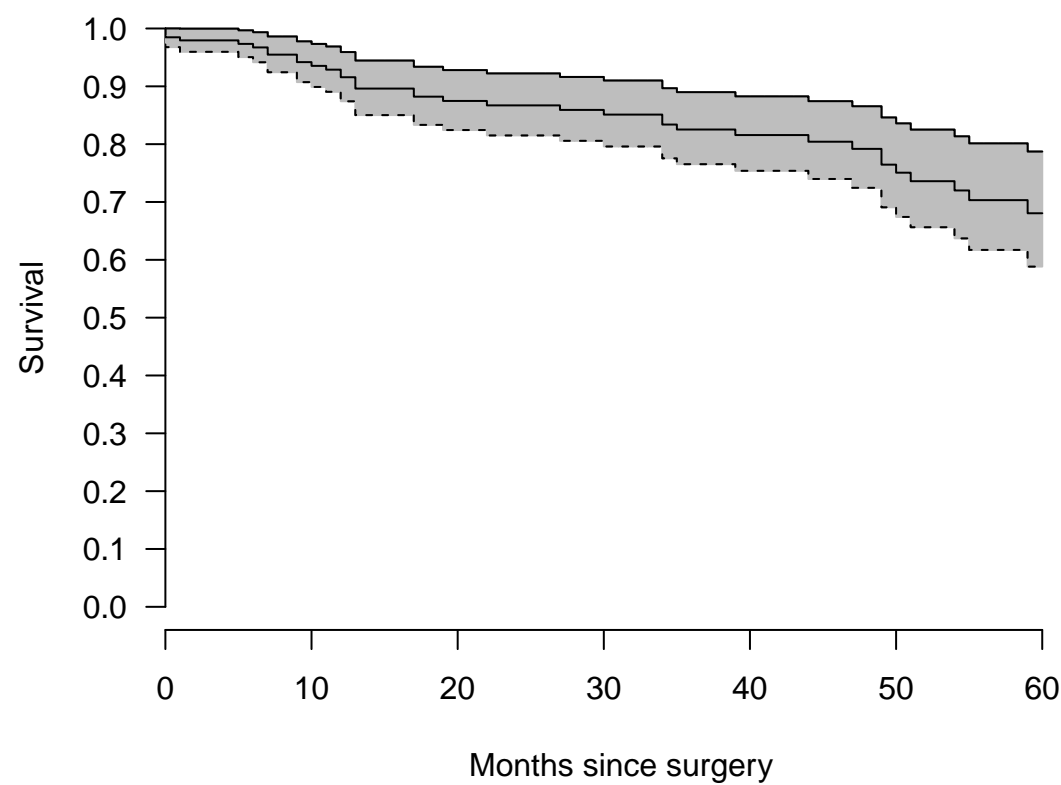
Table 4: According to Exitus

	No event n= 161	Event n= 36	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	6.83 (1.16)	7.58 (1.03)	1.77 [1.28;2.44]	0.001	2.03 [1.34;3.06]	<0.001	197
Sex: Men	118 (73.3%)	28 (77.8%)	1.21 [0.55;2.65]	0.640	1.69 [0.66;4.32]	0.269	197
Tumor level:							197
0-6cm	70 (43.5%)	12 (33.3%)	0.57 [0.19;1.78]	0.338	0.54 [0.12;2.46]	0.424	
7-12cm	80 (49.7%)	20 (55.6%)	0.85 [0.29;2.49]	0.764	0.95 [0.31;2.89]	0.923	
Tumor stage:							197
0	9 (5.59%)	0 (0.00%)	0.00 [0.00;.]	0.997	0.00 [0.00; Inf]	0.997	
II	45 (28.0%)	4 (11.1%)	0.53 [0.17;1.71]	0.290	0.36 [0.11;1.24]	0.107	
III	57 (35.4%)	22 (61.1%)	1.92 [0.91;4.05]	0.088	1.68 [0.74;3.81]	0.216	
Neoadjuvant treatment	42 (26.1%)	2 (5.56%)	0.24 [0.06;0.98]	0.047	0.49 [0.11;2.19]	0.354	197
Type of resection:							197
Abdominoperineal resection	53 (32.9%)	12 (33.3%)	1.03 [0.51;2.10]	0.937	1.60 [0.48;5.33]	0.44	
Hartmann	11 (6.83%)	3 (8.33%)	1.52 [0.45;5.12]	0.498	1.03 [0.29;3.72]	0.96	
Perforation	19 (11.8%)	7 (19.4%)	1.66 [0.73;3.79]	0.230	1.64 [0.67;4.05]	0.28	197
Invasion circumferential margin	15 (9.32%)	7 (19.4%)	1.96 [0.86;4.48]	0.112	1.11 [0.43;2.86]	0.825	197
Mesorecto quality:							197
Partial	7 (4.35%)	4 (11.1%)	1.78 [0.63;5.05]	0.275	1.37 [0.41;4.59]	0.614	
No-satisfactory	2 (1.24%)	0 (0.00%)	0.00 [0.00;.]	0.997	0.00 [0.00; Inf]	0.998	

Reference categories:

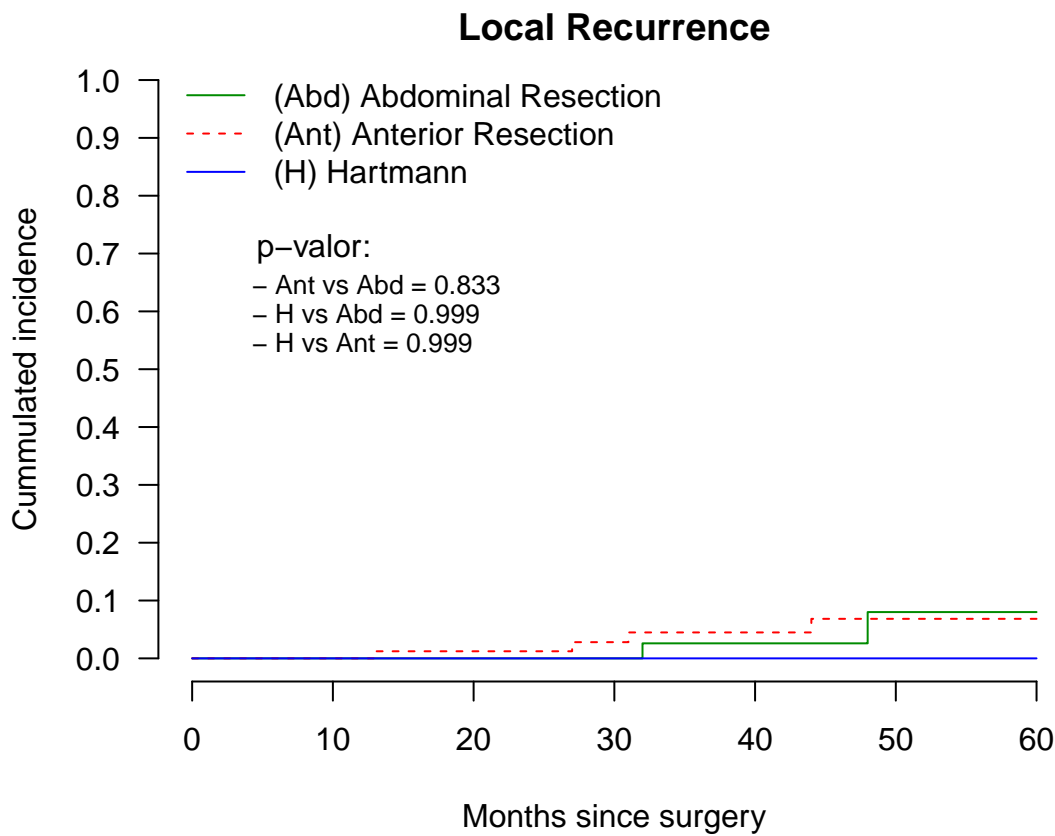
- Age, a decade
- Sex, Women
- Tumor level, 13-15cm
- Tumor stage: 1
- Neoadjuvant treatment, No
- Type of resection, Anterior resection
- Perforation, No
- Invasion circumferential margin, No
- Mesorecto Quality, Satisfactory

Figure 3: Exitus



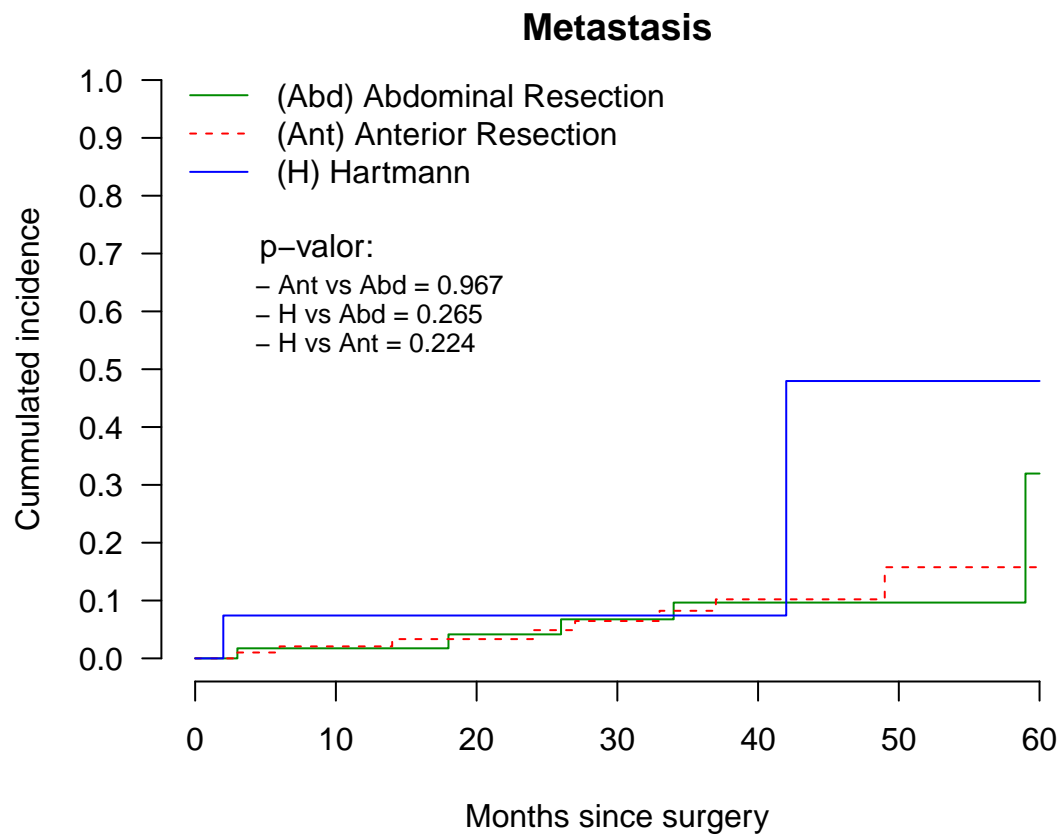
Months	0	12	24	36	48	60
N:	197	140	112	92	58	26

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



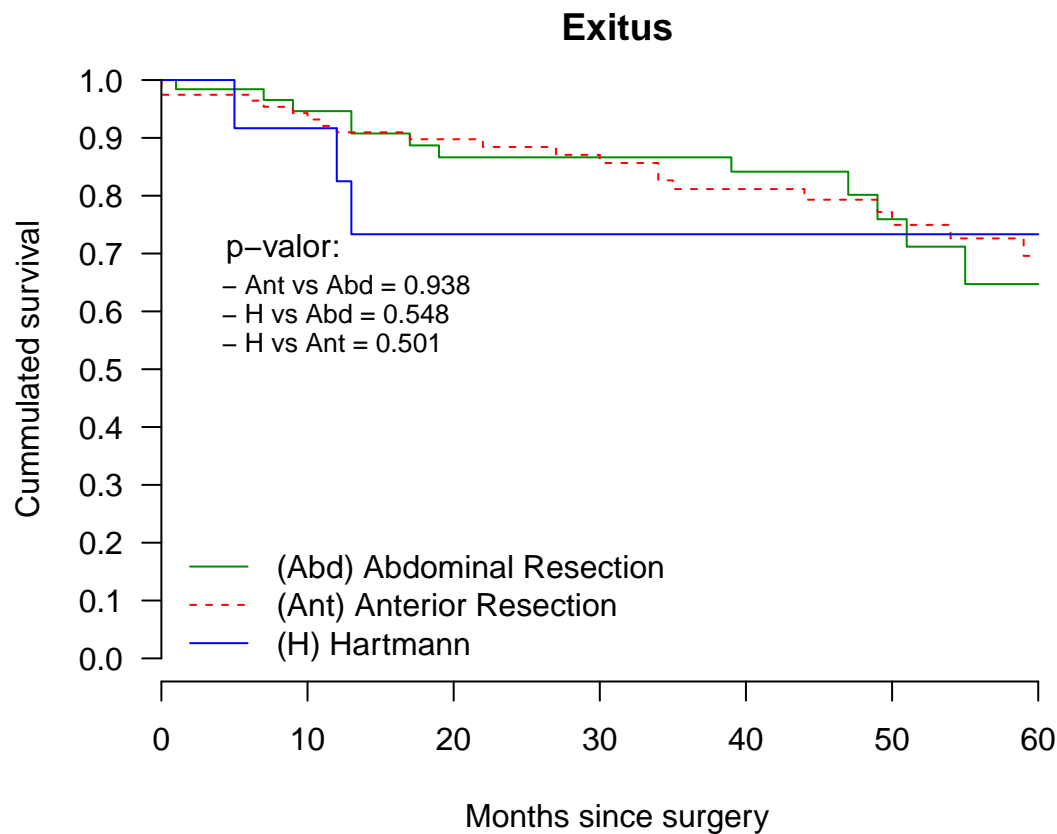
Tiempo	0	12	24	36	48	60
Abd	65	49	41	36	19	4
Ant	118	83	64	51	38	19
H	14	10	6	4	2	1

Figure 5: Metastasis, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	65	48	39	34	17	4
Ant	118	83	65	53	39	19
H	14	10	6	4	1	1

Figure 6: Survival, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	65	49	41	37	19	5
Ant	118	83	65	53	40	20
H	14	10	6	4	2	1

Table 5: Incidence by outcome [95% CI]

Months	Local Recurrence	Metastasis	Exitus
12	0 [0; 0]	2.36 [4.63; 0.05]	8.43 [12.58; 4.07]
22	0.71 [2.1; 0]	4.77 [8.21; 1.2]	13.3 [18.48; 7.78]
36	3.53 [6.89; 0.05]	8.45 [13.22; 3.43]	17.47 [23.46; 11.01]
48	6.54 [11.68; 1.1]	10.76 [16.3; 4.85]	20.81 [27.55; 13.45]
60	6.54 [11.68; 1.1]	16.97 [25.41; 7.58]	31.95 [41.16; 21.29]