

WIKINGO Project Systematic Analysis

Tables & Figures.

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Table 1: Participant characteristics

	[ALL] N=316	N
Age	73.5 (57.7)	316
Sex: Men	186 (58.9%)	316
Tumor level:		316
0-6cm	111 (35.1%)	
7-12cm	155 (49.1%)	
13-15cm	50 (15.8%)	
Tumor stage:		316
0	27 (8.54%)	
I	87 (27.5%)	
II	121 (38.3%)	
III	81 (25.6%)	
Neoadjuvant treatment	161 (50.9%)	316
Type of resection:		316
Abdominoperineal resection	62 (19.6%)	
Anterior resection	239 (75.6%)	
Hartmann	15 (4.75%)	
Perforation	19 (6.01%)	316
Invasion circumferential margin	22 (6.96%)	316
Mesorecto quality:		294
Satisfactory	208 (70.7%)	
Partial	45 (15.3%)	
No-satisfactory	41 (13.9%)	
Recidive	15 (4.75%)	316
Months to recidive	15.5 [3.00;35.0]	316
Metastasis	39 (12.3%)	316
Months to Metastasis	13.0 [3.00;31.2]	316
Exitus	51 (16.1%)	316
Months to exitus	17.5 [3.00;36.0]	316

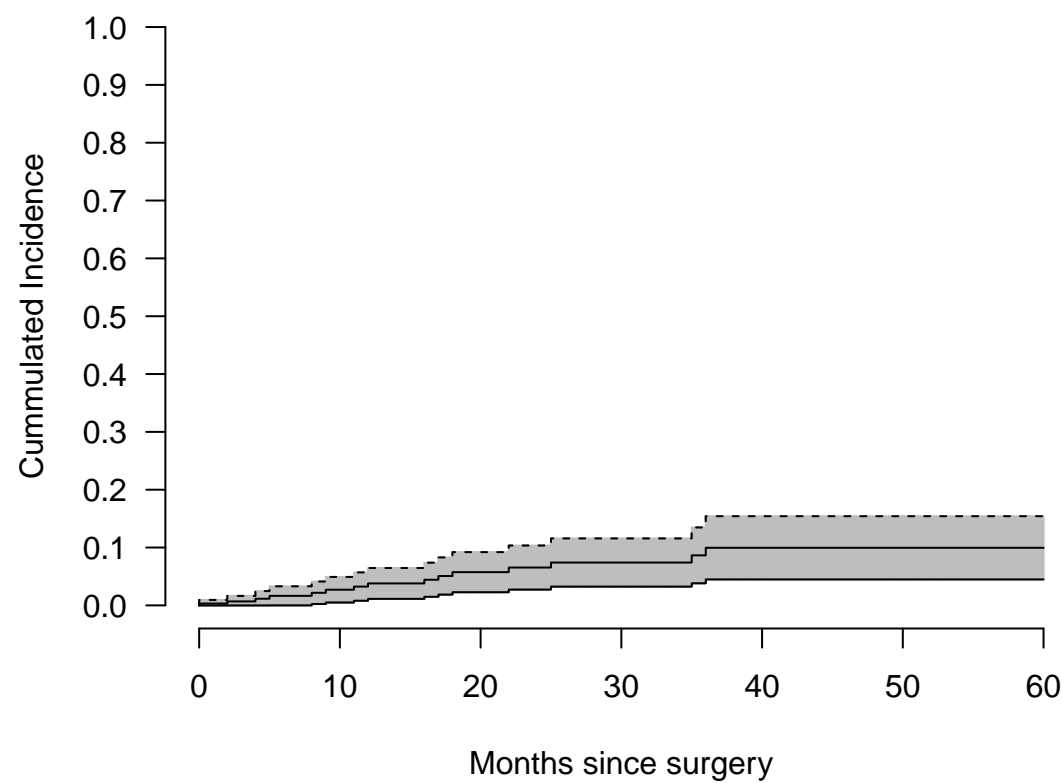
Table 2: According to Local Recurrence

	No event n= 301	Event n= 15	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	7.36 (5.90)	7.13 (1.27)	1.02 [0.92;1.14]	0.640	1.03 [0.86; 1.22]	0.77	316
Sex: Men	175 (58.1%)	11 (73.3%)	1.86 [0.59;5.83]	0.290	3.01 [0.84;10.82]	0.092	316
Tumor level:							316
0-6cm	106 (35.2%)	5 (33.3%)	2.62 [0.31;22.4]	0.380	1.40 [0.08;23.18]	0.814	
7-12cm	146 (48.5%)	9 (60.0%)	2.85 [0.36;22.5]	0.320	3.69 [0.41;32.84]	0.242	
Tumor stage:							316
0	27 (8.97%)	0 (0.00%)	0.00 [0.00;.]	0.998	0.00 [0.00; Inf]	0.997	
II	116 (38.5%)	5 (33.3%)	1.01 [0.24;4.22]	0.990	0.61 [0.12; 2.94]	0.534	
III	74 (24.6%)	7 (46.7%)	2.48 [0.64;9.60]	0.188	2.71 [0.66;11.22]	0.168	
Neoadjuvant treatment	156 (51.8%)	5 (33.3%)	0.46 [0.16;1.36]	0.161	0.54 [0.17; 1.75]	0.304	316
Type of resection:							316
Abdominoperineal resection	58 (19.3%)	4 (26.7%)	1.86 [0.58;5.95]	0.296	1.90 [0.24;14.79]	0.541	
Hartmann	14 (4.65%)	1 (6.67%)	3.52 [0.44;28.0]	0.233	3.88 [0.36;42.18]	0.265	
Perforation	16 (5.32%)	3 (20.0%)	3.57 [1.01;12.7]	0.049	1.45 [0.32; 6.47]	0.63	316
Invasion circumferential margin	19 (6.31%)	3 (20.0%)	3.47 [0.97;12.4]	0.056	5.65 [1.03;31.13]	0.047	316
Mesorrecto quality:							294
Partial	43 (15.4%)	2 (13.3%)	1.61 [0.35;7.44]	0.542	1.17 [0.20; 6.87]	0.865	
No-satisfactory	38 (13.6%)	3 (20.0%)	1.23 [0.34;4.47]	0.756	0.75 [0.16; 3.38]	0.703	

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:	316	177	116	73	39	14

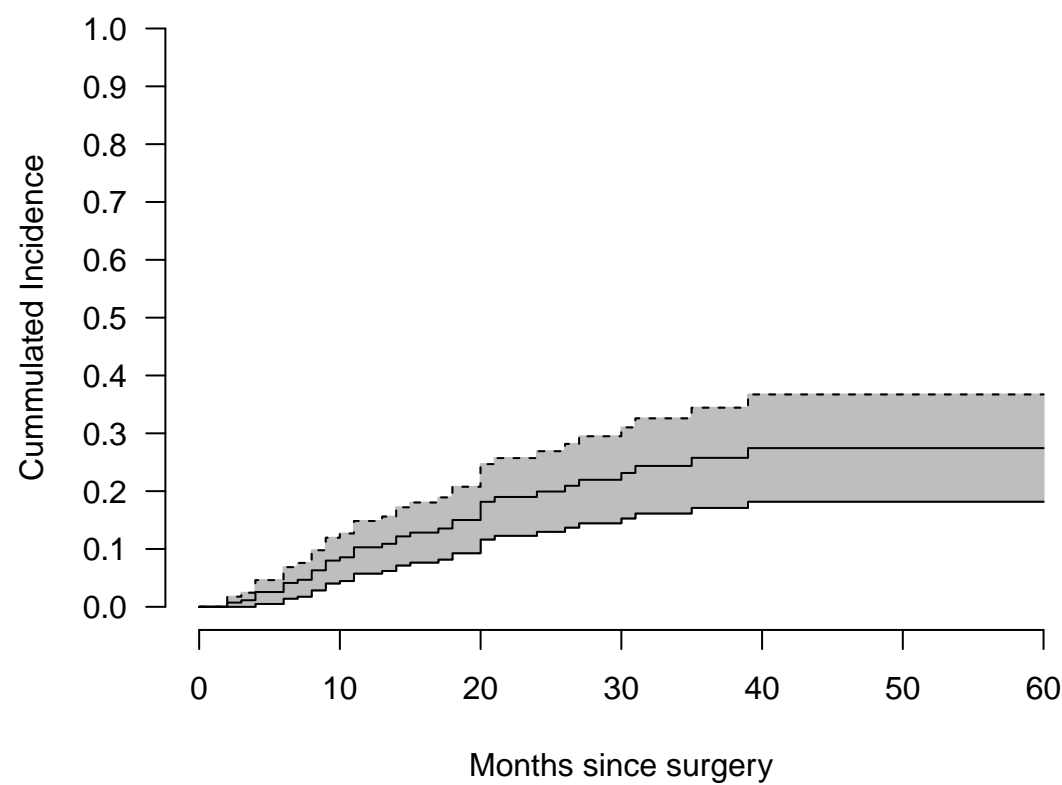
Table 3: According to Metastasis

	No event n= 277	Event n= 39	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	7.39 (6.15)	7.06 (1.14)	1.16 [0.88;1.53]	0.278	1.36 [0.98; 1.89]	0.064	316
Sex: Men	162 (58.5%)	24 (61.5%)	1.07 [0.56;2.04]	0.835	1.11 [0.52; 2.37]	0.795	316
Tumor level:							316
0-6cm	98 (35.4%)	13 (33.3%)	1.06 [0.40;2.78]	0.913	2.10 [0.42;10.59]	0.367	
7-12cm	135 (48.7%)	20 (51.3%)	1.04 [0.42;2.58]	0.940	1.28 [0.33; 4.90]	0.723	
Tumor stage:							316
0	26 (9.39%)	1 (2.56%)	0.61 [0.07;5.48]	0.661	0.00 [0.00; Inf]	0.997	
II	105 (37.9%)	16 (41.0%)	2.71 [0.91;8.11]	0.075	1.91 [0.56; 6.51]	0.299	
III	63 (22.7%)	18 (46.2%)	5.92 [2.00;17.5]	0.001	5.81 [1.80;18.75]	0.003	
Neoadjuvant treatment	141 (50.9%)	20 (51.3%)	0.98 [0.52;1.84]	0.947	2.28 [0.96; 5.44]	0.062	316
Type of resection:							316
Abdominoperineal resection	53 (19.1%)	9 (23.1%)	1.39 [0.66;2.94]	0.391	0.89 [0.28; 2.81]	0.838	
Hartmann	14 (5.05%)	1 (2.56%)	1.07 [0.15;7.89]	0.945	4.22 [0.40;44.02]	0.229	
Perforation	11 (3.97%)	8 (20.5%)	4.24 [1.95;9.25]	<0.001	6.65 [2.33;18.93]	<0.001	316
Invasion circumferential margin	16 (5.78%)	6 (15.4%)	2.39 [1.00;5.72]	0.051	1.44 [0.49; 4.26]	0.509	316
Mesorrecto quality:							294
Partial	43 (16.4%)	2 (6.25%)	0.73 [0.17;3.13]	0.673	0.26 [0.05; 1.40]	0.118	
No-satisfactory	32 (12.2%)	9 (28.1%)	1.70 [0.78;3.72]	0.183	1.06 [0.44; 2.58]	0.891	

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 2: Metastasis



Months	0	12	24	36	48	60
N:	316	166	104	66	34	12

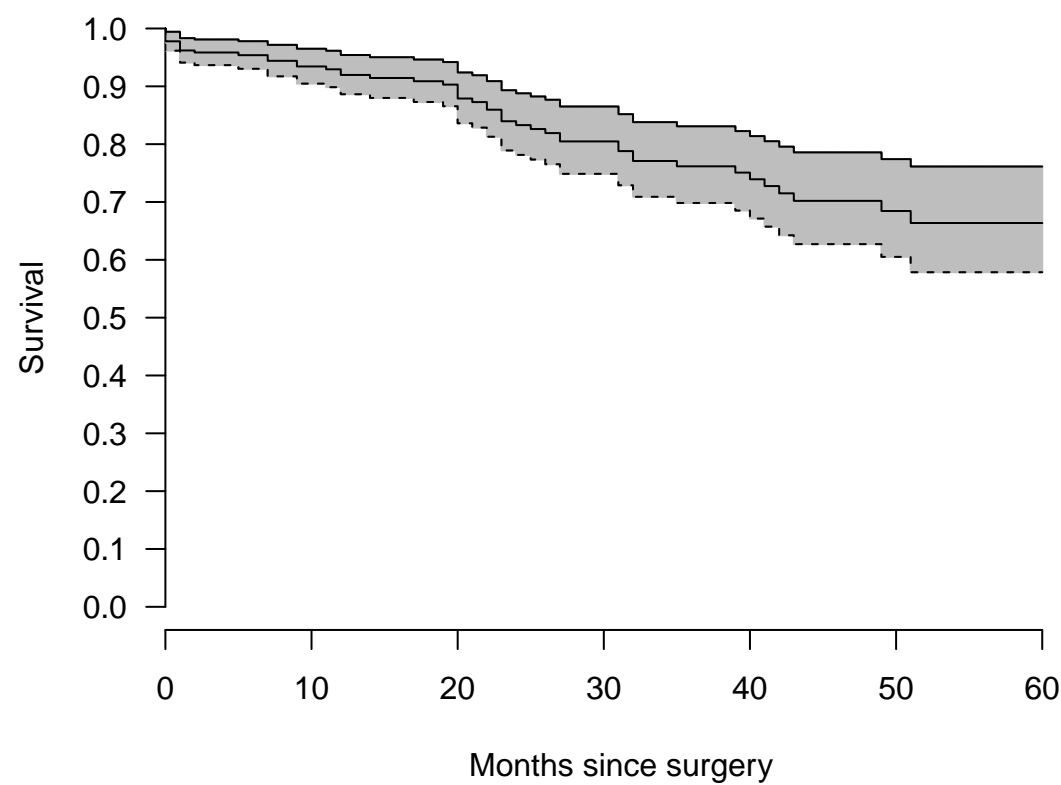
Table 4: According to Exitus

	No event n= 265	Event n= 51	Crude HR	p-value	Multivariate HR	p-value	N
Age (10y)	7.30 (6.28)	7.62 (1.13)	1.02 [0.99;1.06]	0.158	1.03 [0.99; 1.08]	0.129	316
Sex: Men	153 (57.7%)	33 (64.7%)	1.25 [0.71;2.23]	0.442	1.29 [0.67; 2.47]	0.44	316
Tumor level:							316
0-6cm	90 (34.0%)	21 (41.2%)	1.66 [0.71;3.92]	0.244	2.96 [0.88; 9.95]	0.079	
7-12cm	132 (49.8%)	23 (45.1%)	1.02 [0.44;2.37]	0.968	1.81 [0.63; 5.18]	0.27	
Tumor stage:							316
0	25 (9.43%)	2 (3.92%)	0.68 [0.14;3.39]	0.639	0.90 [0.17; 4.77]	0.898	
II	97 (36.6%)	24 (47.1%)	2.58 [1.05;6.31]	0.038	2.17 [0.83; 5.69]	0.116	
III	62 (23.4%)	19 (37.3%)	3.35 [1.34;8.39]	0.010	3.11 [1.18; 8.23]	0.022	
Neoadjuvant treatment	144 (54.3%)	17 (33.3%)	0.45 [0.25;0.81]	0.008	0.54 [0.27; 1.06]	0.075	316
Type of resection:							316
Abdominoperineal resection	51 (19.2%)	11 (21.6%)	1.42 [0.72;2.79]	0.306	0.76 [0.29; 2.03]	0.589	
Hartmann	13 (4.91%)	2 (3.92%)	1.67 [0.40;6.98]	0.482	1.23 [0.26; 5.88]	0.794	
Perforation	13 (4.91%)	6 (11.8%)	1.98 [0.85;4.66]	0.115	0.80 [0.27; 2.38]	0.691	316
Invasion circumferential margin	11 (4.15%)	11 (21.6%)	4.09 [2.08;8.03]	<0.001	4.43 [1.86;10.54]	<0.001	316
Mesorecto quality:							294
Partial	38 (15.3%)	7 (15.2%)	1.72 [0.75;3.94]	0.199	0.95 [0.37; 2.44]	0.911	
No-satisfactory	34 (13.7%)	7 (15.2%)	0.96 [0.42;2.17]	0.918	0.60 [0.24; 1.48]	0.27	

Reference categories:

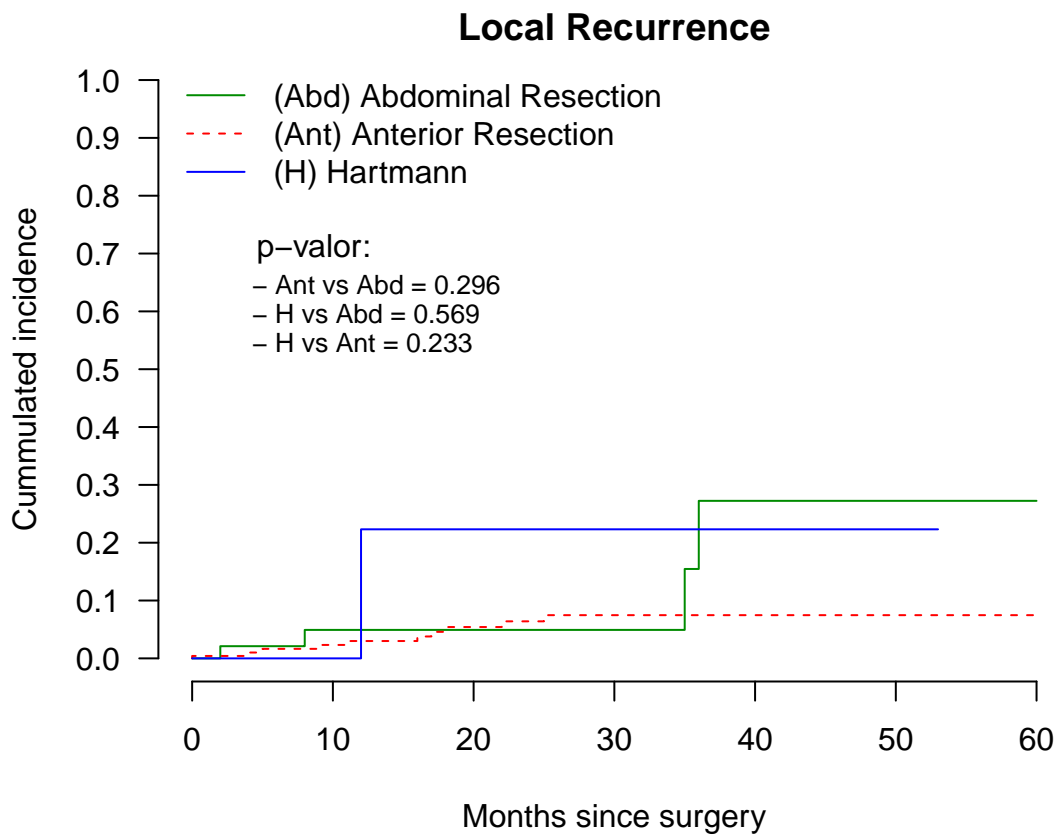
- Age, a decade
- Sex, Women
- Tumor level, 13-15cm
- Tumor stage: 1
- Neoadjuvant treatment, No
- Type of resection, Anterior resection
- Perforation, No
- Invasion circumferential margin, No
- Mesorecto Quality, Satisfactory

Figure 3: Exitus



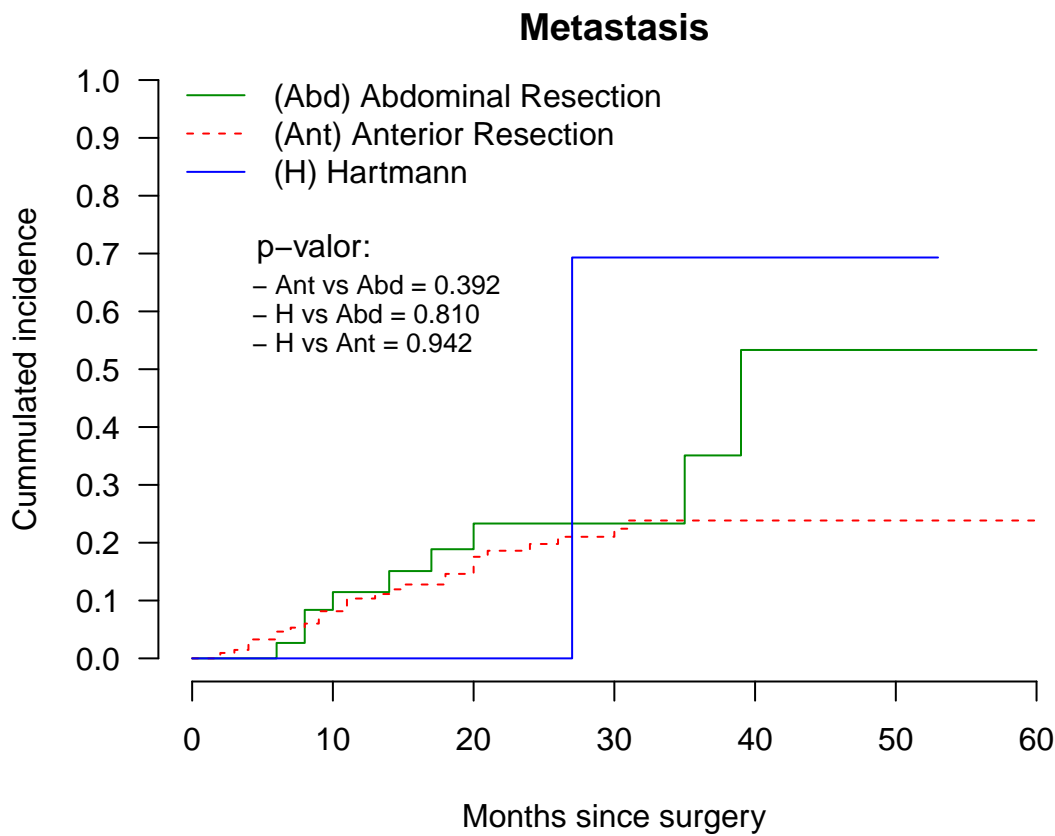
Months	0	12	24	36	48	60
N:	316	184	122	78	40	14

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



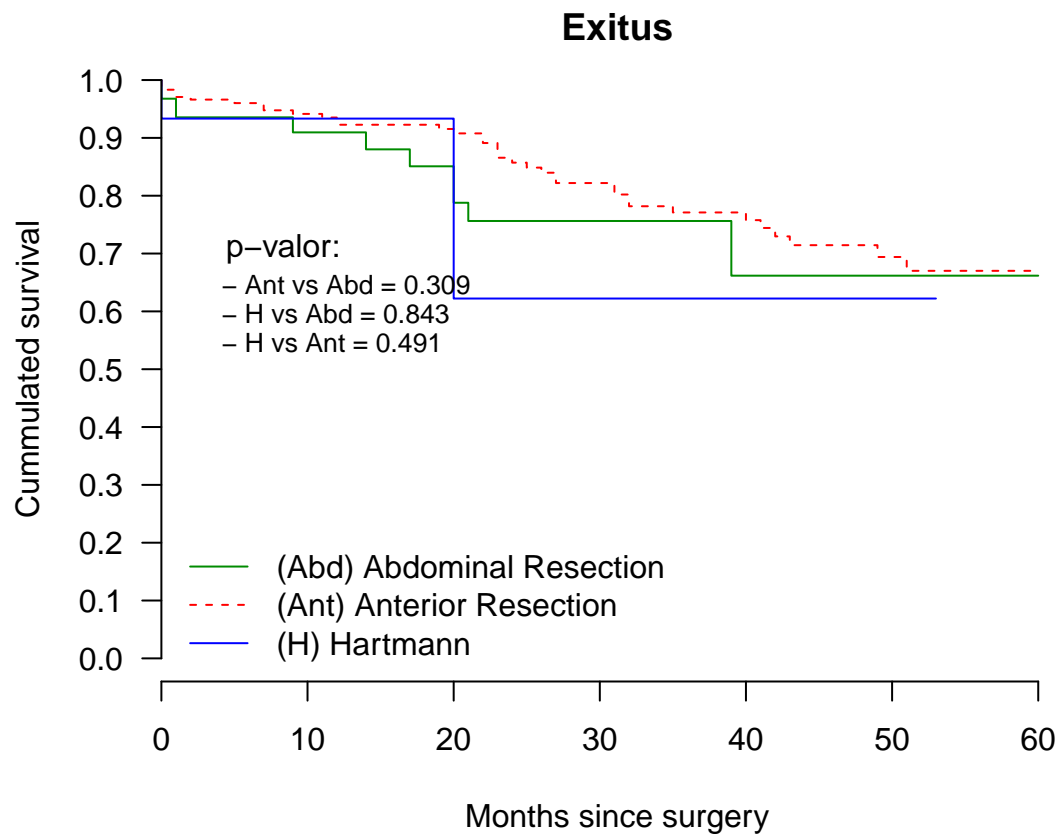
Tiempo	0	12	24	36	48	60
Abd	62	33	22	9	4	2
Ant	239	146	96	67	35	12
H	15	5	2	1	1	0

Figure 5: Metastasis, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	62	32	19	8	4	2
Ant	239	135	86	59	30	10
H	15	5	2	1	1	0

Figure 6: Survival, according to Type of Resection:



Tiempo	0	12	24	36	48	60
Abd	62	35	22	10	5	2
Ant	239	150	102	70	35	12
H	15	5	2	1	1	0

Table 5: Incidence by outcome [95% CI]

Months	Local Recurrence	Metastasis	Exitus
12	3.72 [6.25; 1.12]	9.78 [13.79; 5.58]	8.03 [11.36; 4.59]
24	6.33 [9.82; 2.71]	18.07 [23.59; 12.16]	16.7 [21.85; 11.22]
36	9.48 [14.28; 4.4]	22.71 [29.12; 15.72]	23.83 [30.17; 16.92]
48	9.48 [14.28; 4.4]	24 [30.72; 16.62]	29.8 [37.28; 21.43]
60	9.48 [14.28; 4.4]	24 [30.72; 16.62]	33.63 [42.14; 23.88]