

Multi-Institutional Registry of Large Bowel Cancer
in Japan

Vol. 29
Cases treated in 2000-2002

Japanese Society for Cancer of the Colon and Rectum

全国大腸癌登録委員会

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まえがき

全国大腸癌登録調査報告書第29号（Multi-institutional Registry of Large Bowel Cancer in Japan. Vol.29）をお届けします。2000年～2002年の3年間に大腸癌研究会の会員施設において初回治療された大腸悪性腫瘍例の調査報告書です。

1991年～1998年治療例は、臨床病理学的情報を先行登録し、一定の経過観察期間後に予後情報を調査するいわゆるprospective registry方式で登録を行い、臨床病理学的情報と予後情報をそれぞれ別の報告書で刊行してまいりました。しかし、その後、がん登録における個人情報の取扱いが議論されるなかで、本登録も登録業務の中止を余儀なくされ、登録業務に空白期間が生じたことからprospective registry方式が行えない状況が続いています。従いまして、本号には、前号（1999年治療例）と同様、一括調査された臨床病理学的情報と予後情報の集計結果を収載しています。

本号は登録中断による遅れを挽回すべく、3年分をまとめて調査・集計していますので総登録例数は19,612例と過去の報告書で最大ですが、単年度あたりの登録数と登録施設数は以前よりも減少したままです。こうした状況のなかで、登録委員会は登録精度の向上を図るとともに、登録への参加を促進すべく、診療科データベースとしても利用可能な新しい登録用ソフトを開発しました（2007年以降の治療例の登録に使用する予定です）。ソフトは、大腸癌研究会のホームページ（<http://www.jscr.jp/>）からダウンロードできますので是非ご活用ください。

1999年治療例の報告書「Multi-institutional Registry of Large Bowel Cancer in Japan. Vol.28 Cases treated in 1999」の集計に誤りがありました（訂正箇所 65～68ページ）。腺癌以外の悪性腫瘍(malignancies other than adenocarcinoma)の総数を79例から76例に、Surgeryを67例から62例に訂正させていただきます。誤りを訂正した集計表は大腸癌研究会のホームページと本号の巻末に収載しました。お詫びして訂正させていただきます。

本登録は、大腸癌研究会のほかに、がん研究開発費（23A-34）および厚生労働省科学研究補助金（H22-3次がん-一般-040）の支援も受けました。

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大腸癌研究会

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DEFINITIONS OF ABBREVIATIONS AND SYMBOLS

CRC	colorectal cancer
DI	depth of invasion
NOS	not otherwise specified
mm	millimeter
OC	oncology
OTH	others
X	not recorded or uncertain findings

Tumor site

The colon, rectum, and anus are anatomically divided into the following portions. If more than one portion or part is involved, all involved portions or parts were recorded in order of involvement, first indicating the portion or part in which the bulk of the tumor is mainly situated .

V	processus vermiciformis	C	cecum
A	ascending colon	T	transverse colon
D	descending colon	S	sigmoid colon
Rs	rectosigmoid	Ra	upper rectum
Rb	lower rectum	P	proctos (anal canal)

In this report, the "Site of the tumor" represented the main portion in which tumor was located. In each table, "Colon" included "V, C, A, T, D, and S" and "Rectum" included "Rs, Ra, Rb, and P."

Refer to "Japanese Classification of Colorectal Carcinoma" on terminology and classification used in this report.

Cases treated in 2000-2002
Descriptive data

Table1-1
Histological type,site and sex

History	Site	Males	Females	Total
Adenocarcinoma	Colon	6,029	4,745	10,774
	Rectum	4,515	2,453	6,968
	Unknown	268	143	411
	Total	10,812	7,341	18,153
Other malignancies	Colon	38	34	72
	Rectum	79	82	161
	Unknown	10	11	21
	Total	127	127	254
Unknown	Colon	294	199	493
	Rectum	178	127	305
	Unknown	142	85	227
	Total	614	411	1,025
Grand total		11,553	7,879	19,432

Adenocarcinoma : well-, moderately and poorly differentiated adenocarcinoma, mucinous carcinoma, and signet-ring cell carcinoma.

Other malignancies : carcinomas other than adenocarcinoma and non-epithelial malignancies.

A total of 659 patients with a malignancy of unknown site were excluded from subsequent analysis.

Table 1-2
Number of patients treated by surgery
Histology and site of the tumor

Histology	Site	Surgery			Total
		Yes	No		
Adenocarcinoma	Colon	10,770	(636)	4	10,774
	Rectum	6,962	(244)	6	6,968
	Total	17,732	(880)	10	17,742
Other malignancies	Colon	72	(9)	0	72
	Rectum	159	(26)	2	161
	Total	231	(35)	2	233
Unknown	Colon	489	(30)	4	493
	Rectum	303	(16)	2	305
	Total	792	(46)	6	798
Grand total		18,755	(961)	18	18,773

The figures in parentheses represent the number of patients treated by endoscopic excision, and those are included in the left column.

A total of 1,034 patients with a malignancy of unknown histology (798 patients) and age at treatment (236 patients) was excluded from subsequent analysis.

Table 2

Modality of principal treatment by histology and site

Modality	Adenocarcinoma			Other malignances		
	Colon	Rectum	Total	Colon	Rectum	Total
Surgery	9,613	6,392	16,005	61	123	184
Endoscopic excision	634	240	874	9	25	34
Radiation(RT)	7	2	9	0	3	3
Chemotherapy(CT)	291	196	487	2	7	9
RT+CT	0	5	5	0	2	2
OTH	1	2	3	0	0	0
No treatment	20	16	36	0	0	0
X	56	32	88	0	0	0
Total	10,622	6,885	17,507	72	160	232

*Modalities regarded as the most effective and beneficial treatment for cancer. A total of 382 patients who had surgery after endoscopic treatment were classified in the "Endoscopic excision" group in this report.

Adenocarcinoma

I)	All	17,507	cases
II)	Surgery	16,623	cases
III)	Surgical resection	16,475	cases
IV)	Endoscopic excision	874	cases
V)	Surgery after endoscopic excision	382	cases

A total of 382 patients who had surgery after endoscopic treatment were classified into "Endoscopic excision group" in this report, although they should be classified into "Surgery" group*. Their information about surgery was described independently in detail (pp.77-83).

*Japanese Society for the Cancer If the Colon and Rectum: Japanese Classification of Colorectal Carcinoma. 1st English ed., p.69, Yasutomi, M. (Editor), Kanehara & Co., LTD., Tokyo, 1997

Table 3-1

Age-specific incidence, males

Site	Age											Total
	<20	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-		
V	0	0	0	6	8	8	4	2	0	0	0	28
C	0	2	7	30	79	163	175	61	3	0	0	520
A	1	4	24	55	222	397	418	116	11	0	0	1,248
T	1	5	17	45	161	281	288	86	7	0	0	891
D	0	0	5	33	97	180	171	36	0	0	0	522
S	1	8	21	117	577	996	860	142	12	0	0	2,734
Rs	0	3	17	79	303	465	400	90	5	0	0	1,362
Ra	0	5	22	98	303	456	320	65	3	0	0	1,272
Rb	2	6	41	146	472	612	382	94	5	0	0	1,760
P	0	1	1	7	14	22	15	3	0	0	0	63
Colon	3	19	74	286	1,144	2,025	1,916	443	33	0	0	5,943
Rectum	2	15	81	330	1,092	1,555	1,117	252	13	0	0	4,457
Total	5	34	155	616	2,236	3,580	3,033	695	46	0	0	10,400

Table 3-2

Age-specific incidence, females

Site	Age											Total
	<20	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-		
V	0	3	1	3	9	6	6	2	0	0	0	30
C	0	2	4	19	94	177	216	93	6	0	0	611
A	0	7	15	45	168	319	404	162	8	1	1,129	
T	1	4	12	42	123	161	264	105	10	0	0	722
D	0	4	9	20	74	96	89	24	0	0	0	316
S	0	7	31	119	459	587	482	172	14	0	0	1,871
Rs	2	5	17	64	214	230	206	66	9	0	0	813
Ra	0	0	24	63	175	189	161	59	7	0	0	678
Rb	0	4	33	88	201	284	211	72	5	0	0	898
P	1	2	0	3	7	13	7	5	1	0	0	39
Colon	1	27	72	248	927	1,346	1,461	558	38	1	1	4,679
Rectum	3	11	74	218	597	716	585	202	22	0	0	2,428
Total	4	38	146	466	1,524	2,062	2,046	760	60	1	1	7,107

Table 4-1

Family history of CRC, by site

Site	Family history of CRC			Total
	No	Yes	X	
V	38	1	19	58
C	708	79	344	1,131
A	1,489	184	704	2,377
T	1,004	113	496	1,613
D	548	67	223	838
S	2,879	331	1,395	4,605
Rs	1,346	134	695	2,175
Ra	1,300	139	511	1,950
Rb	1,785	179	694	2,658
P	73	6	23	102
Colon	6,666	775	3,181	10,622
Rectum	4,504	458	1,923	6,885
Total	11,170	1,233	5,104	17,507

Table 4-2

Family history of CRC, by age

Age	Family history of CRC			Total
	No	Yes	X	
<20	8	0	1	9
20-29	37	21	14	72
30-39	179	45	77	301
40-49	689	113	280	1,082
50-59	2,330	329	1,101	3,760
60-69	3,649	394	1,599	5,642
70-79	3,245	277	1,557	5,079
80-89	960	51	444	1,455
90-99	73	3	30	106
100-	0	0	1	1
Total	11,170	1,233	5,104	17,507

Table 4-3**Family history of CRC, by number of family members with CRC**

Site	Number of family members with CRC					Total
	1	2	3	>=4	X	
V	1	0	0	0	0	1
C	56	8	3	0	12	79
A	134	16	5	2	27	184
T	82	10	2	1	18	113
D	53	8	1	0	5	67
S	257	22	7	0	45	331
Rs	110	7	4	2	11	134
Ra	110	16	1	0	12	139
Rb	136	12	2	0	29	179
P	4	1	0	0	1	6
Colon	583	64	18	3	107	775
Rectum	360	36	7	2	53	458
Total	943	100	25	5	160	1,233

Table 4-4**Family history of CRC, by family member with CRC(multi-answers)**

Site	Family member with CRC						Total
	F	M	S	C	G	UA	
V	1	0	0	0	0	0	1
C	24	16	23	6	1	3	73
A	44	56	63	6	11	8	188
T	33	26	40	2	2	4	107
D	16	16	29	1	1	3	66
S	97	75	107	14	15	16	324
Rs	32	31	47	3	0	11	124
Ra	42	28	49	2	3	6	130
Rb	44	42	55	7	12	12	172
P	2	2	1	0	0	2	7
Colon	215	189	262	29	30	34	759
Rectum	120	103	152	12	15	31	433
Total	335	292	414	41	45	65	1,192

F father

M mother

S sibling

C child

G grandparent

UA uncle and /or aunt

Table 5-1

Family history of cancers other than CRC, by site

Site	Family history of other cancers			Total
	No	Yes	X	
V	30	9	19	58
C	560	241	330	1,131
A	1,208	481	688	2,377
T	818	310	485	1,613
D	426	184	228	838
S	2,285	940	1,380	4,605
Rs	1,056	429	690	2,175
Ra	1,033	412	505	1,950
Rb	1,383	581	694	2,658
P	59	19	24	102
Colon	5,327	2,165	3,130	10,622
Rectum	3,531	1,441	1,913	6,885
Total	8,858	3,606	5,043	17,507

Table 5-2

Family history of cancers other than CRC, by age

Age	Family member with other cancers			Total
	No	Yes	X	
<20	7	2	0	9
20-29	39	16	17	72
30-39	153	75	73	301
40-49	538	275	269	1,082
50-59	1,866	795	1,099	3,760
60-69	2,833	1,201	1,608	5,642
70-79	2,571	1,001	1,507	5,079
80-89	790	223	442	1,455
90-99	61	18	27	106
100-	0	0	1	1
Total	8,858	3,606	5,043	17,507

Table 5-3

Family history of cancers other than CRC, by number of family members with cancers

Site	Number of family members with other cancers					Total
	1	2	3	>=4	X	
V	6	2	0	0	1	9
C	168	45	8	4	16	241
A	317	110	29	2	23	481
T	214	53	13	1	29	310
D	127	35	8	2	12	184
S	641	201	37	12	49	940
Rs	289	80	26	3	31	429
Ra	283	81	17	4	27	412
Rb	407	107	26	10	31	581
P	12	5	1	1	0	19
Colon	1,473	446	95	21	130	2,165
Rectum	991	273	70	18	89	1,441
Total	2,464	719	165	39	219	3,606

Table 5-4

Family history of cancers other than CRC, by family member with cancers (multi-answers)

Site	Family member with other cancers						Total
	F	M	S	C	G	UA	
V	4	3	2	0	0	0	9
C	95	55	82	2	13	9	256
A	169	131	174	22	18	17	531
T	101	72	122	16	11	14	336
D	66	53	62	6	10	11	208
S	337	231	361	29	50	44	1,052
Rs	159	100	143	15	27	19	463
Ra	149	116	123	11	14	21	434
Rb	227	147	191	13	27	34	639
P	8	5	4	1	0	3	21
Colon	772	545	803	75	102	95	2,392
Rectum	543	368	461	40	68	77	1,557
Total	1,315	913	1,264	115	170	172	3,949

F father

M mother

S sibling

C child

G grandparent

UA uncle and/or aunt

Table 6-1

Past history of colorectal disease, by site(multi-answers)

Site	Past history									
	None	Adeno-ma	Adenom-atosis	Ulcer-ative colitis	Crohn's desease	Radiation colitis	Anal fistula	OTH	X	Total
V	37	3	0	0	0	0	0	5	4	49
C	808	30	0	3	0	1	9	75	108	1,034
A	1,681	89	3	0	1	0	13	149	240	2,176
T	1,143	54	7	4	1	1	8	100	148	1,466
D	607	30	2	0	0	0	3	48	85	775
S	3,347	93	3	9	0	0	27	262	458	4,199
Rs	1,568	36	2	7	2	0	16	129	208	1,968
Ra	1,397	38	1	7	0	0	16	106	201	1,766
Rb	1,805	57	6	6	2	0	27	164	316	2,383
P	69	1	1	1	0	0	2	9	12	95
Colon	7,623	299	15	16	2	2	60	639	1,043	9,699
Rectum	4,839	132	10	21	4	0	61	408	737	6,212
Total	12,462	431	25	37	6	2	121	1,047	1,780	15,911

Table 6-2

Past history of colorectal disease, by age (multi-answers)

Age	Past history									
	None	Adeno-ma	Adenom-atosis	Ulcer-ative colitis	Crohn's desease	Radiation colitis	Anal fistula	OTH	X	Total
<20	8	0	0	0	0	0	0	0	1	9
20-29	44	1	4	2	0	0	1	6	12	70
30-39	187	3	3	8	1	0	4	13	50	269
40-49	755	21	4	2	0	0	7	57	156	1,002
50-59	2,623	94	7	11	4	0	22	240	431	3,432
60-69	3,958	141	5	8	0	0	46	392	589	5,139
70-79	3,705	131	2	6	1	2	29	265	434	4,575
80-89	1,100	36	0	0	0	0	11	72	99	1,318
90-99	81	4	0	0	0	0	1	2	8	96
100-	1	0	0	0	0	0	0	0	0	1
Total	12,462	431	25	37	6	2	121	1,047	1,780	15,911

Table 7-1

Measurement of serum carcinoembryonic antigen (CEA), preoperative

Site	Serum CEA				Total
	Examined	Not examined	x		
V	36	7	15		58
C	861	90	180		1,131
A	1,813	205	359		2,377
T	1,210	129	274		1,613
D	644	77	117		838
S	3,432	400	773		4,605
Rs	1,663	164	348		2,175
Ra	1,563	118	269		1,950
Rb	2,079	202	377		2,658
P	85	8	9		102
Colon	7,996	908	1,718		10,622
Rectum	5,390	492	1,003		6,885
Total	13,386	1,400	2,721		17,507

Table 7-2

Serum CEA value, preoperative

Site	Serum CEA value					Total
	Normal	<2	<4	<8	>=8	
V	18	9	1	1	7	36
C	530	116	70	57	88	861
A	1,066	299	149	109	190	1,813
T	799	173	88	48	102	1,210
D	391	108	46	28	71	644
S	2,117	538	256	171	350	3,432
Rs	993	244	144	108	174	1,663
Ra	949	224	144	93	153	1,563
Rb	1,271	350	193	111	154	2,079
P	47	18	8	5	7	85
Colon	4,921	1,243	610	414	808	7,996
Rectum	3,260	836	489	317	488	5,390
Total	8,181	2,079	1,099	731	1,296	13,386

Table 8-1

Multiple primary cancers, by sex

Multiple primary cancers	Males	Females	Total
No	8,364	5,844	14,208
Synchronous	496	223	719
Metachronous	764	479	1,243
Synchronous and metachronous	45	21	66
X	731	540	1,271
Total	10,400	7,107	17,507

Table 8-2

Synchronous multiple primary cancers (multi-anwsers)

Organ	Synchronous cancer		
	Males	Females	Total
Oral cavity	2	1	3
Pharynx and larynx	10	2	12
Esophagus	27	3	30
Stomach	206	60	266
Small intestine	3	1	4
Liver	73	34	107
Biliary tree	15	9	24
Pancreas	12	4	16
Lung	53	18	71
Breast	2	21	23
Uterine cervix	2	6	8
Uterine corpus	1	6	7
Uterus, NOS	0	11	11
Vagina	0	2	2
Ovary	0	1	1
Prostate	32	0	32
Kidney	22	9	31
Bladder	19	4	23
Hematopoietic system	9	3	12
Bone and soft tissue	0	1	1
Nervous system	1	1	2
Thyroid	4	8	12
Skin	2	1	3
OTH	16	8	24
X	102	51	153
Total	613	265	878

Table 8-3

Metachronous multiple primary cancers (multi-anwsers)

Organ	Metachronous cancer		
	Males	Females	Total
Oral cavity	11	2	13
Pharynx and larynx	44	4	48
Esophagus	30	4	34
Stomach	283	102	385
Small intestine	3	3	6
Liver	37	13	50
Biliary tree	12	9	21
Pancreas	15	5	20
Lung	112	44	156
Breast	5	114	119
Uterine cervix	0	26	26
Uterine corpus	0	38	38
Uterus, NOS	0	26	26
Vagina	1	31	32
Ovary	0	0	0
Prostate	102	1	103
Kidney	18	8	26
Bladder	49	17	66
Hematopoietic system	11	8	19
Bone and soft tissue	2	0	2
Nervous system	7	4	11
Thyroid	5	24	29
Skin	4	10	14
OTH	56	15	71
X	82	36	118
Total	889	544	1,433

Table 8-4

Number of organs of multiple primary cancers

Multiple primary cancers	Number of organs					
	1	2	3	4	X	Total
Synchronous	537	34	2	0	146	719
Metachronous	1,040	87	4	1	111	1,243
Synchronous and metachronous	19	31	9	0	7	66
X	81	6	0	0	0	87
Total	1,677	158	15	1	264	2,115

I) Adenocarcinoma, All cases

Table 9-1

Metachronous multiple CRC, by sex

Sex	No	Metachronous CRC			X	Total
		Early cancer	Advanced cancer	Both		
Males	8,893	84	179	12	1,232	10,400
Females	6,104	44	97	5	857	7,107
Total	14,997	128	276	17	2,089	17,507

Table 9-2

Metachronous multiple CRC, by age

Age	Metachronous CRC			Total
	Early cancer	Advanced cancer	Both	
20-29	1	1	0	2
30-39	1	6	0	7
40-49	7	13	0	20
50-59	23	48	2	73
60-69	41	73	5	119
70-79	42	99	9	150
80-89	12	34	1	47
90-100	1	2	0	3
100-	0	0	0	0
Total	128	276	17	421

Table 9-3

Metachronous multiple CRC, by site

Site	Metachronous CRC			Total
	Early cancer	Advanced cancer	Both	
V	2	0	0	2
C	12	22	1	35
A	21	54	4	79
T	19	54	7	80
D	5	35	1	41
S	24	45	3	72
Rs	13	21	0	34
Ra	8	10	1	19
Rb	24	33	0	57
P	0	2	0	2
Colon	83	210	16	309
Rectum	45	66	1	112
Total	128	276	17	421

Table 9-4

Metachronous multiple CRC, by number of cancers

Number of cancers	Metachronous CRC			Total
	Early cancer	Advanced cancer	Both	
1	100	219	0	322
2	7	27	12	46
3	2	4	1	7
4	3	1	1	5
5	1	0	0	1
x	15	25	3	43
Total	128	276	17	421

Table 9-5

Metachronous multiple CRC, by site of metachronous cancer

Site	Metachronous CRC			Total
	Early cancer	Advanced cancer	Both	
Colon	79	164	11	254
Rectum	28	78	0	106
Both	5	11	5	21
X	16	23	1	40
Total	128	276	17	421

Table 10-1

Number of synchronous multiple CRC, by site

Site	Number of cancers								Total
	1	2	3	4	5	6	>7	x	
V	45	1	0	0	0	0	0	12	58
C	912	25	13	1	1	0	0	128	1,080
A	1,906	73	35	3	1	1	1	247	2,267
T	1,266	60	31	5	2	0	1	176	1,541
D	662	31	11	2	0	0	0	79	785
S	3,518	139	69	10	1	1	0	515	4,253
Rs	1,729	48	24	5	2	1	0	273	2,082
Ra	1,593	55	35	2	1	1	0	188	1,875
Rb	2,222	55	33	5	3	0	0	264	2,582
P	87	0	1	0	0	0	0	12	100
Colon	8,309	329	159	21	5	2	2	1,157	9,984
Rectum	5,631	158	93	12	6	2	0	737	6,639
Total	13,940	487	252	33	11	4	2	1,894	16,623

Table 10-2

Number of synchronous multiple CRC, by age

Site	Number of cancers								Total
	1	2	3	4	5	6	>7	x	
<20	7	0	2	0	0	0	0	0	9
20-29	56	3	0	0	0	0	0	13	72
30-39	253	2	3	1	0	0	0	33	292
40-49	879	19	12	3	0	2	1	99	1,015
50-59	2,986	79	37	4	3	0	1	437	3,547
60-69	4,525	160	76	9	2	0	0	572	5,344
70-79	3,994	168	91	12	5	2	0	553	4,825
80-89	1,153	53	30	4	1	0	0	176	1,417
90-99	86	3	1	0	0	0	0	11	101
100-	1	0	0	0	0	0	0	0	1
Total	13,940	487	252	33	11	4	2	1,894	16,623

Table 10-3

Number of synchronous multiple CRC, males, by age

Site	Number of cancers								Total
	1	2	3	4	5	6	>7	x	
<20	3	0	2	0	0	0	0	0	5
20-29	26	2	0	0	0	0	0	6	34
30-39	134	1	3	1	0	0	0	13	152
40-49	493	13	8	2	0	2	0	51	569
50-59	1,741	52	24	0	1	0	1	267	2,086
60-69	2,802	114	62	9	2	0	0	387	3,376
70-79	2,358	115	64	9	4	2	0	317	2,869
80-89	525	33	17	3	0	0	0	98	676
90-99	41	1	1	0	0	0	0	1	44
Total	8,123	331	181	24	7	4	1	1,140	9,811

Table 10-4

Number of synchronous multiple CRC, females, by age

Site	Number of cancers								Total
	1	2	3	4	5	6	>7	x	
<20	4	0	0	0	0	0	0	0	4
20-29	30	1	0	0	0	0	0	7	38
30-39	119	1	0	0	0	0	0	20	140
40-49	386	6	4	1	0	0	1	48	446
50-59	1,245	27	13	4	2	0	0	170	1,461
60-69	1,723	46	14	0	0	0	0	185	1,968
70-79	1,636	53	27	3	1	0	0	236	1,956
80-89	628	20	13	1	1	0	0	78	741
90-99	45	2	0	0	0	0	0	10	57
100-	1	0	0	0	0	0	0	0	1
Total	5,817	156	71	9	4	0	1	754	6,812

Table 11-1

Macroscopic type of tumor, by site

Site	Macroscopic type								x	Total
	Type 0	Type 1	Type 2	Type 3	Type 4	Type 5	OTH			
V	3	3	16	3	1	18	9	5	58	
C	133	149	593	125	5	21	5	49	1,080	
A	305	186	1,393	263	10	26	16	68	2,267	
T	283	106	901	174	8	14	9	46	1,541	
D	112	58	488	83	5	8	5	26	785	
S	505	351	2,703	447	24	41	23	159	4,253	
Rs	187	185	1,389	186	13	21	7	94	2,082	
Ra	206	158	1,210	177	12	19	10	83	1,875	
Rb	382	189	1,622	205	15	42	20	107	2,582	
P	12	11	37	24	1	10	2	3	100	
Colon	1,341	853	6,094	1,095	53	128	67	353	9,984	
Rectum	787	543	4,258	592	41	92	39	287	6,639	
Total	2,128	1,396	10,352	1,687	94	220	106	640	16,623	

Type 0 Superficial, flat tumors with or without minimal elevation or depression

Type 1 Protuberant type

Type 2 Ulcerated type with clear margin

Type 3 Ulcerated type with infiltration

Type 4 Diffusely infiltrating type

Type 5 Unclassified type

Table 11-2

Macroscopic type of Type0 cancer

Site	Macroscopic type										Total
	Ip	Isp	Is	IIa	IIa+IIc	IIb	IIc	IIc+IIa	OTH	X	
V	0	0	1	1	0	0	0	0	1	0	3
C	7	26	17	41	15	2	3	0	12	10	133
A	22	50	43	81	55	1	19	2	12	20	305
T	17	46	25	64	70	5	27	2	11	16	283
D	7	15	15	26	23	0	10	3	4	9	112
S	70	137	88	57	67	3	19	3	11	50	505
Rs	17	55	34	34	26	1	7	1	6	6	187
Ra	6	48	45	48	28	2	6	1	11	11	206
Rb	25	68	84	85	66	2	5	1	16	30	382
P	0	6	1	4	0	0	0	0	0	1	12
Colon	123	274	189	270	230	11	78	10	51	105	1,341
Rectum	48	177	164	171	120	5	18	3	33	48	787
Total	171	451	353	441	350	16	96	13	84	153	2,128

Type 0 Superficial, flat tumors with or without minimal elevation or depression

Type 0 I	Protruded type
Ip	Pedunculated type
Isp	Semipedunculated type
Is	Sessile type
Type 0 II	Superficial type
IIa	Superficial elevated type
IIb	Superficial flat type
IIc	Superficial depressed type
Type 0 III	Excavated type

Table 12

Tumor location, by circumferential division of the bowel wall

Site	Circumferential division of the bowel wall							x	Total
	Dorsal or post.	Ventral or ant.	Medial or right	Lateral or left	Circular	OTH			
V	2	2	0	1	22	15	16	58	
C	160	144	29	44	295	196	212	1,080	
A	370	263	91	98	636	374	435	2,267	
T	258	171	40	29	471	257	315	1,541	
D	111	79	24	34	264	126	147	785	
S	707	487	125	110	1,176	760	888	4,253	
Rs	324	305	45	74	518	361	455	2,082	
Ra	299	351	88	100	399	295	343	1,875	
Rb	528	457	191	225	375	333	473	2,582	
P	24	8	10	8	24	12	14	100	
Colon	1,608	1,146	309	316	2,864	1,728	2,013	9,984	
Rectum	1,175	1,121	334	407	1,316	1,001	1,285	6,639	
Total	2,783	2,267	643	723	4,180	2,729	3,298	16,623	

Dorsal mesenteric side

Ventral side opposite to the mesenterium

post. posterior side

ant. anterior side

Table 13-1

Tumor location, by circumferential division of the bowel wall

Site	Circumferential occupancy of the bowel wall							Total
	<1/3	<1/2	<2/3	Semi circular	Circular	OTH	x	
V	3	0	2	4	24	14	11	58
C	193	134	135	120	276	71	151	1,080
A	419	274	241	294	616	128	295	2,267
T	318	172	106	174	473	90	208	1,541
D	125	71	60	90	288	38	113	785
S	802	551	384	491	1,183	284	558	4,253
Rs	301	292	250	284	515	137	303	2,082
Ra	322	301	276	281	393	69	233	1,875
Rb	604	430	385	364	348	115	336	2,582
P	31	9	6	14	21	4	15	100
Colon	1,860	1,202	928	1,173	2,860	625	1,336	9,984
Rectum	1,258	1,032	917	943	1,277	325	887	6,639
Total	3,118	2,234	1,845	2,116	4,137	950	2,223	16,623

Table 13-2

Tumor size, the greatest diameter of the tumor, by site

Site	Tumor size (mm)							Total
	<=20	21-40	41-60	61-80	81-100	>100	x	
V	5	8	11	9	1	3	21	58
C	77	300	277	149	51	27	199	1,080
A	197	616	572	280	117	59	426	2,267
T	219	466	341	148	52	36	279	1,541
D	106	243	198	71	27	9	131	785
S	551	1,265	1,068	415	113	45	796	4,253
Rs	168	546	618	228	66	33	423	2,082
Ra	164	483	517	259	71	32	349	1,875
Rb	266	704	646	292	116	36	522	2,582
P	15	23	20	14	3	2	23	100
Colon	1,155	2,898	2,467	1,072	361	179	1,852	9,984
Rectum	613	1,756	1,801	793	256	103	1,317	6,639
Total	1,768	4,654	4,268	1,865	617	282	3,169	16,623

Table 13-3

Tumor size, the greatest diameter of the tumor, by DI

DI	Tumor size (mm)							Total
	<=20	21-40	41-60	61-80	81-100	>100	x	
m	247	286	110	22	7	9	168	849
sm	832	435	79	16	7	6	322	1,697
mp	375	1,056	308	68	11	11	351	2,180
ss/a1	233	1,951	2,187	924	266	97	1,200	6,858
se/a2	63	808	1,314	636	200	87	711	3,819
si/ai	8	89	240	192	118	66	236	949
x	10	29	30	7	8	6	181	271
Total	1,768	4,654	4,268	1,865	617	282	3,169	16,623

Table 14-1

Metastasis, peritoneum

Site	Peritoneal metastasis					Total
	P0	P1	P2	P3	PX	
V	41	3	6	8	0	58
C	964	37	25	42	12	1,080
A	2,067	61	44	69	26	2,267
T	1,454	25	17	27	18	1,541
D	740	13	11	13	8	785
S	3,998	109	47	55	44	4,253
Rs	1,960	58	17	21	26	2,082
Ra	1,778	41	14	8	34	1,875
Rb	2,444	30	5	10	93	2,582
P	94	0	0	0	6	100
Colon	9,264	248	150	214	108	9,984
Rectum	6,276	129	36	39	159	6,639
Total	15,540	377	186	253	267	16,623

P0 No peritoneal metastasis

P1 Metastasis only to adjacent peritoneum, which are removable by a combined resection

P2 A few metastases to distant peritoneum

P3 Numerous metastases to distant peritoneum

PX No information on peritoneal metastasis

Ovarian metastasis without peritoneal dissemination is classified as "P2."

Table 14-2
Metastasis, liver

Site	Liver metastasis					Total
	H0	H1	H2	H3	HX	
V	54	1	1	2	0	58
C	940	30	29	63	18	1,080
A	1,963	83	49	140	32	2,267
T	1,379	49	21	78	14	1,541
D	683	27	17	47	11	785
S	3,624	185	103	310	31	4,253
Rs	1,780	83	57	136	26	2,082
Ra	1,644	63	34	105	29	1,875
Rb	2,307	86	38	82	69	2,582
P	90	0	3	2	5	100
Colon	8,643	375	220	640	106	9,984
Rectum	5,821	232	132	325	129	6,639
Total	14,464	607	352	965	235	16,623

- H0 No liver metastasis
- H1 Metastasis limited to one lobe
- H2 Some metastases to both lobes (4 lesions or less)
- H3 Numerous metastases to both lobes (5 lesions or more)
- HX No information on liver metastasis

Table 14-3
Metastasis, lung

Site	Pulmonary metastasis					Total
	LM0	LM1	LM2	LM3	LMX	
V	51	0	0	0	7	58
C	972	11	0	8	89	1,080
A	2,043	32	6	13	173	2,267
T	1,397	16	1	6	121	1,541
D	705	6	1	9	64	785
S	3,839	62	10	26	316	4,253
Rs	1,876	31	6	17	152	2,082
Ra	1,653	35	6	17	164	1,875
Rb	2,301	35	10	18	218	2,582
P	83	3	0	2	12	100
Colon	9,007	127	18	62	770	9,984
Rectum	5,913	104	22	54	546	6,639
Total	14,920	231	40	116	1,316	16,623

LM0 No pulmonary metastasis

NM1 Metastasis only to one lobe

NM2 Metastasis to multiple lobes but not meeting "M3"

LM3 Numerous metastases to bilateral lungs, lymphangitis carcinomatosa, pleuritis carcinomatosa, or metastasis to hilar lymph nodes

LMX No information on pulmonary metastasis

Table 14-4
Metastasis, distant organs

Site	Distant metastasis								x	Total
	M(-)	Bone	Brain	Adrenal	Skin	Virchow	OTH			
V	50	0	0	0	0	1	1	6	58	
C	965	4	0	0	0	1	13	97	1,080	
A	2,024	10	3	3	0	4	21	202	2,267	
T	1,380	2	0	2	1	0	15	141	1,541	
D	693	3	0	0	1	1	11	76	785	
S	3,835	21	2	2	0	2	45	346	4,253	
Rs	1,893	9	2	0	1	2	26	149	2,082	
Ra	1,708	5	1	0	1	0	19	141	1,875	
Rb	2,344	12	0	0	0	1	24	201	2,582	
P	91	1	0	0	1	0	0	7	100	
Colon	8,947	40	5	7	2	9	106	868	9,984	
Rectum	6,036	27	3	0	3	3	69	498	6,639	
Total	14,983	67	8	7	5	12	175	1,366	16,623	

M(-) No distant metastasis

Virchow Virchow's lymph node

Adrenal adrenal gland

Table 15**Histological classification, by site**

Site	Histological classification						Total
	w/d	m/d	p/d	muc	sig	NOS	
V	10	17	9	21	1	0	58
C	461	485	68	51	5	10	1,080
A	942	1,054	133	118	4	16	2,267
T	713	672	75	63	10	8	1,541
D	358	372	21	24	2	8	785
S	1,990	2,063	85	97	3	15	4,253
Rs	889	1,100	49	37	2	5	2,082
Ra	798	968	64	40	3	2	1,875
Rb	1,090	1,305	85	79	9	14	2,582
P	40	39	6	11	3	1	100
Colon	4,474	4,663	391	374	25	57	9,984
Rectum	2,817	3,412	204	167	17	22	6,639
Total	7,291	8,075	595	541	42	79	16,623

w/d well-differentiated adenocarcinoma

m/d moderately differentiated adenocarcinoma

p/d poorly differentiated adenocarcinoma

muc mucinous adenocarcinoma

sig signet-ring cell carcinoma

NOS adenocarcinoma not otherwise specified

Table 16-1

Depth of tumor invasion (DI), macroscopic, by site

Site	DI								Total
	M	SM	MP	SS/A1	SE/A2	Si/Ai	X		
V	2	2	0	13	20	13	8		58
C	71	75	112	318	302	150	52		1,080
A	102	199	190	719	733	218	106		2,267
T	103	181	135	443	491	120	68		1,541
D	32	87	63	240	238	87	38		785
S	112	451	477	1,362	1,207	458	186		4,253
Rs	39	165	233	695	634	211	105		2,082
Ra	43	170	267	559	599	128	109		1,875
Rb	134	268	463	670	726	184	137		2,582
P	8	5	16	19	21	23	8		100
Colon	422	995	977	3,095	2,991	1,046	458		9,984
Rectum	224	608	979	1,943	1,980	546	359		6,639
Total	646	1,603	1,956	5,038	4,971	1,592	817		16,623

Intesitine with serosa, macroscopic

- M Tumor invasion of mucosa
 SM Tumor invasion of submucosa
 MP Tumor invasion of muscularis propria
 SS Tumor invasion of subserosa
 SE Tumor invasion of serosa
 Si Tumor invasion of other organs or structures

Intesitine without serosa

- M Tumor invasion of mucosa
 SM Tumor invasion of submucosa
 MP Tumor invasion of muscularis propria
 AI Tumor invasion through muscularis propria into non-peritonealized part
 A2 Tumor invasion of non-peritonealized, pericolic or perirectal tissues
 Ai Direct tumor invasion of other organs or structures

Table 16-2

Depth of tumor invasion (DI), histological, by site

Site	DI							Total
	m	sm	mp	ss/a1	se/a2	si/ai	X	
V	2	2	3	18	18	11	4	58
C	86	84	126	426	262	83	13	1,080
A	138	190	191	1,047	546	112	43	2,267
T	123	193	149	671	304	84	17	1,541
D	47	81	64	387	149	48	9	785
S	155	468	496	1,987	823	264	60	4,253
Rs	62	168	280	924	491	120	37	2,082
Ra	69	188	265	752	489	78	34	1,875
Rb	158	317	585	628	713	131	50	2,582
P	9	6	21	18	24	18	4	100
Colon	551	1,018	1,029	4,536	2,102	602	146	9,984
Rectum	298	679	1,151	2,322	1,717	347	125	6,639
Total	849	1,697	2,180	6,858	3,819	949	271	16,623

Intestine with serosa' histological

m Tumor invasion of mucosa

sm Tumor invasion of submucosa

mp Tumor invasion of muscularis propria

ss Tumor invasion of subserosa

se Tumor invasion of serosa

si Tumor invasion of other organs or structures

Intestine without serosa

m Tumor invasion of mucosa

sm Tumor invasion of submucosa

mp Tumor invasion of muscularis propria

a1 Tumor invasion through muscularis propria into non-peritonealized part

a2 Tumor invasion of non-peritonealized, pericolic or perirectal tissues

ai Direct tumor invasion of other organs or structures

Table 17

Number of organs or structures with cancer invasion, histological

Site	Number of organs with cancer invasion						Total
	1	2	3	4	>=5	x	
V	2	2	3	0	0	4	11
C	47	11	2	2	0	21	83
A	73	10	2	1	0	26	112
T	44	17	3	4	0	16	84
D	28	2	1	1	0	16	48
S	171	40	13	3	0	37	264
Rs	78	9	3	3	0	27	120
Ra	32	19	5	1	0	21	78
Rb	66	15	8	0	1	41	131
P	11	2	0	0	0	5	18
Colon	365	82	24	11	0	120	602
Rectum	187	45	16	4	1	94	347
Total	552	127	40	15	1	214	949

Table 18-1

Lymph node metastasis, macroscopic, by site

Site	Lymph node metastasis						Total
	N0	N1	N2	N3	N4	NX	
V	26	11	10	2	2	7	58
C	426	295	186	57	34	82	1,080
A	949	624	394	91	78	131	2,267
T	739	406	202	55	41	98	1,541
D	365	234	101	6	17	62	785
S	1,990	1,238	545	101	117	262	4,253
Rs	946	689	237	31	64	115	2,082
Ra	830	611	198	45	41	150	1,875
Rb	1,255	641	287	109	45	245	2,582
P	45	16	15	6	5	13	100
Colon	4,495	2,808	1,438	312	289	642	9,984
Rectum	3,076	1,957	737	191	155	523	6,639
Total	7,571	4,765	2,175	503	444	1,165	16,623

NO No lymph node metastasis

N1 Metastasis to Group 1

N2 Metastasis to Group 2

N3 Metastasis to Group 3

N4 Metastasis to Group 4

NX Unknown lymph node metastasis

Table 18-2

Lymph node metastasis, histological, by site

Site	Lymph node metastasis						Total
	n0	n1	n2	n3	n4	nX	
V	34	11	7	3	0	3	58
C	573	266	123	58	18	42	1,080
A	1,237	521	264	80	43	122	2,267
T	955	323	134	42	21	66	1,541
D	477	193	68	8	6	33	785
S	2,457	1,037	440	78	70	171	4,253
Rs	1,134	550	246	28	43	81	2,082
Ra	958	534	201	44	37	101	1,875
Rb	1,335	553	313	104	44	233	2,582
P	44	19	11	10	5	11	100
Colon	5,733	2,351	1,036	269	158	437	9,984
Rectum	3,471	1,656	771	186	129	426	6,639
Total	9,204	4,007	1,807	455	287	863	16,623

n0 No lymph node metastasis

n1 Metastasis to Group 1

n2 Metastasis to Group 2

n3 Metastasis to Group 3

n4 Metastasis to Group 4

nX Unknown lymph node metastasis

Table 18-3

Lymph node metastasis, histological, by DI

DI	Lymph node metastasis						Total
	n0	n1	n2	n3	n4	nX	
m	714	6	0	0	2	127	849
sm	1,444	120	33	1	3	96	1,697
mp	1,639	371	75	24	6	65	2,180
ss/a1	3,640	1,979	807	172	79	181	6,858
se/a2	1,310	1,283	720	199	134	173	3,819
si/ai	385	232	160	53	59	60	949
x	72	16	12	6	4	161	271
Total	9,204	4,007	1,807	455	287	863	16,623

Table 18-4

Lymph node metastasis, histological, by DI,colon

DI	Lymph node metastasis						Total
	n0	n1	n2	n3	n4	nX	
m	521	4	0	0	1	25	551
sm	899	76	19	0	0	24	1,018
mp	800	161	34	8	2	24	1,029
ss/a1	2,488	1,244	508	122	51	123	4,536
se/a2	725	706	377	108	63	123	2,102
si/ai	254	154	90	29	39	36	602
x	46	6	8	2	2	82	146
Total	5,733	2,351	1,036	269	158	437	9,984

Table 18-5

Lymph node metastasis, histological, by DI,rectum

DI	Lymph node metastasis						Total
	n0	n1	n2	n3	n4	nX	
m	193	2	0	0	1	102	298
sm	545	44	14	1	3	72	679
mp	839	210	41	16	4	41	1,151
ss/a1	1,152	735	299	50	28	58	2,322
se/a2	585	577	343	91	71	50	1,717
si/ai	131	78	70	24	20	24	347
x	26	10	4	4	2	79	125
Total	3,471	1,656	771	186	129	426	6,639

Table 19-1

Lymphatic invasion, by site

Site	Lymphatic invasion						Total
	ly0	ly1	ly2	ly3	ly(+)	X	
V	17	18	10	3	4	6	58
C	347	385	214	74	31	29	1,080
A	740	839	397	154	65	72	2,267
T	584	562	226	83	49	37	1,541
D	253	317	152	36	10	17	785
S	1,387	1,640	737	227	145	117	4,253
Rs	628	810	374	131	81	58	2,082
Ra	574	754	360	109	12	66	1,875
Rb	884	949	461	163	27	98	2,582
P	35	31	17	13	0	4	100
Colon	3,328	3,761	1,736	577	304	278	9,984
Rectum	2,121	2,544	1,212	416	120	226	6,639
Total	5,449	6,305	2,948	993	424	504	16,623

Table 19-2

Lymphatic invasion, by DI,colon

DI	Lymphatic invasion						Total
	ly0	ly1	ly2	ly3	ly(+)	X	
m	520	7	0	1	0	23	551
sm	657	256	38	5	22	40	1,018
mp	470	396	96	10	46	11	1,029
ss/a1	1,278	1,993	797	232	179	57	4,536
se/a2	290	847	627	242	50	46	2,102
si/ai	83	242	167	81	7	22	602
x	30	20	11	6	0	79	146
Total	3,328	3,761	1,736	577	304	278	9,984

Table 19-3

Lymphatic invasion, by DI,rectum

DI	Lymphatic invasion						Total
	ly0	ly1	ly2	ly3	ly(+)	X	
m	273	2	0	0	0	23	298
sm	398	203	33	2	17	26	679
mp	467	509	128	12	23	12	1,151
ss/a1	646	1026	453	122	51	24	2,322
se/a2	274	677	472	230	25	39	1,717
si/ai	43	114	118	46	4	22	347
x	20	13	8	4	0	80	125
Total	2,121	2,544	1,212	416	120	226	6,639

ly0 No lymphatic invasion

ly1 Minimal lymphatic invasion

ly2 Moderate lymphatic invasion

ly3 Severe lymphatic invasion

ly+ Positive lymphatic invasion

Table 20-1

Venous invasion, by site

Site	venous invasion						Total
	v0	v1	v2	v3	v(+)	X	
V	25	15	5	3	4	6	58
C	476	343	153	40	33	35	1,080
A	921	730	380	103	50	83	2,267
T	706	497	193	62	44	39	1,541
D	328	254	126	41	13	23	785
S	1,709	1,435	652	214	109	134	4,253
Rs	757	696	364	132	67	66	2,082
Ra	652	656	367	120	6	74	1,875
Rb	932	848	493	179	25	105	2,582
P	35	37	15	7	0	6	100
Colon	4,165	3,274	1,509	463	253	320	9,984
Rectum	2,376	2,237	1,239	438	98	251	6,639
Total	6,541	5,511	2,748	901	351	571	16,623

Table 20-2

Venous invasion, by DI,colon

DI	Venous invasion						Total
	v0	v1	v2	v3	v(+)	X	
m	524	3	0	0	0	24	551
sm	790	153	18	1	10	46	1,018
mp	596	302	66	8	37	20	1,029
ss/al	1,610	1,742	762	197	150	75	4,536
se/a2	487	802	524	185	48	56	2,102
si/ai	120	251	130	72	8	21	602
x	38	21	9	0	0	78	146
Total	4,165	3,274	1,509	463	253	320	9,984

Table 20-3

Venous invasion, by DI, rectum

DI	Venous invasion						Total
	v0	v1	v2	v3	v(+)	X	
m	275	1	0	0	0	22	298
sm	458	146	30	5	10	30	679
mp	536	453	110	17	19	16	1,151
ss/a1	706	887	513	145	40	31	2,322
se/a2	318	616	482	226	25	50	1,717
si/ai	63	121	95	42	4	22	347
x	20	13	9	3	0	80	125
Total	2,376	2,237	1,239	438	98	251	6,639

- v0 No venous invasion
 v1 Minimal venous invasion
 v2 Moderate venous invasion
 v3 Severe venous invasion
 v+ positive venous invasion

Table 21-1

Tumor invasion of surgical margin, macroscopic, by site

Site	Proximal cut end (OW)			Total
	OW(-)	OW(+)	X	
V	47	1	10	58
C	961	2	117	1,080
A	2,015	1	251	2,267
T	1,386	2	153	1,541
D	698	0	87	785
S	3,774	3	476	4,253
Rs	1,845	3	234	2,082
Ra	1,623	1	251	1,875
Rb	2,184	4	394	2,582
P	82	1	17	100
Colon	8,881	9	1,094	9,984
Rectum	5,734	9	896	6,639
Total	14,615	18	1,990	16,623

Table 21-2

Tumor invasion of surgical margin, macroscopic, by site

Site	Distal cut end (AW)			Total
	AW(-)	AW(+)	x	
V	49	0	9	58
C	954	1	125	1,080
A	2,012	4	251	2,267
T	1,379	5	157	1,541
D	699	1	85	785
S	3,751	3	499	4,253
Rs	1,834	7	241	2,082
Ra	1,608	7	260	1,875
Rb	2,162	14	406	2,582
P	83	0	17	100
Colon	8,844	14	1,126	9,984
Rectum	5,687	28	924	6,639
Total	14,531	42	2,050	16,623

Table 21-3

Tumor invasion of surgical margin, macroscopic, by site

Site	Surgical cut end (EW)			Total
	EW(-)	EW(+)	X	
V	44	3	11	58
C	854	17	209	1,080
A	1,818	41	408	2,267
T	1,264	21	256	1,541
D	625	16	144	785
S	3,368	62	823	4,253
Rs	1,652	42	388	2,082
Ra	1,463	35	377	1,875
Rb	1,972	62	548	2,582
P	71	5	24	100
Colon	7,973	160	1,851	9,984
Rectum	5,158	144	1,337	6,639
Total	13,131	304	3,188	16,623

OW(-) No tumor invasion on proximal cut end

OW(+) Tumor invasion on proximal cut end

AW(-) No tumor invasion on distal cut end

AW(+) Tumor invasion on distal cut end

EW(-) No tumor invasion on surgical cut end

EW(+) Tumor invasion on surgical cut end

Table 21-4

Distance between tumor and proximal cut end, by site

Site	Distance between tumor and proximal cut end (mm)				Total
	<=50	51-100	>100	X	
V	4	12	15	27	58
C	211	285	223	361	1,081
A	266	592	708	701	2,263
T	279	364	439	459	1,541
D	153	263	148	221	780
S	768	1,432	785	1,268	4,253
Rs	209	561	670	642	2,084
Ra	153	349	837	536	1,873
Rb	216	197	1,348	821	2,589
P	7	3	59	31	100
Colon	1,681	2,948	2,318	3,037	9,984
Rectum	585	1,110	2,914	2,030	6,639
Total	2,266	4,058	5,232	5,067	16,623

Table 21-5

Distance between tumor and distal cut end, by site,colon

Site	Distance between tumor and distal cut end (mm)				Total
	<=50	51-100	>100	X	
V	3	14	16	25	58
C	134	287	311	348	1,080
A	299	599	676	693	2,267
T	349	489	258	445	1,541
D	163	238	165	219	785
S	1,120	1,362	522	1,249	4,253
Total	2,068	2,989	1,948	2,979	9,984

Table 21-6

Distance between tumor and distal cut end, by site,rectum

Site	Distance between tumor and distal cut end (mm)								Total
	<=10	11-20	21-30	31-40	41-50	51-60	>60	x	
Rs	60	156	278	261	274	162	275	616	2,082
Ra	172	342	347	224	123	49	118	500	1,875
Rb	449	442	292	192	140	98	148	821	2,582
P	23	17	15	5	2	1	4	33	100
Total	704	957	932	682	539	310	545	1,970	6,639

Table 21-7

Distance between tumor and proximal cut end, and distance between tumor and distal cut end, colon

proximal length(mm)	distal length (mm)				X	Total
	<=50	51-100	>100			
<=50	906	496	273		6	1,681
51-100	661	1,454	823		10	2,948
>100	466	1,008	837		7	2,318
X	35	31	15		2,956	3,037
Total	2,068	2,989	1,948		2,979	9,984

Table 21-8

Distance between tumor and proximal cut end, and distance between tumor and distal cut end, rectum

proximal length (mm)	distal length (mm)							X	Total
	<=10	11-20	21-30	31-40	41-50	51-60	>60		
<=50	221	64	69	35	37	18	137	4	585
51-100	103	214	219	169	163	86	150	6	1,110
>100	335	642	617	465	335	205	255	60	2,914
X	45	37	27	13	4	1	3	1,900	2,030
Total	704	957	932	682	539	310	545	1,970	6,639

Proximal length: distance between the proximal margin of tumor and the proximal cut end.

Distal length: distance between the distal margin of tumor and the distal cut end.

Table 21-9

Tumor invasion of surgical margin, histological, by site

Site	Proximal cut end (ow)			Total
	ow(-)	ow(+)	X	
V	48	0	10	58
C	949	1	130	1,080
A	2,025	2	240	2,267
T	1,382	3	156	1,541
D	694	0	91	785
S	3,761	6	486	4,253
Rs	1,846	3	233	2,082
Ra	1,623	1	251	1,875
Rb	2,168	10	404	2,582
P	84	0	16	100
Colon	8,859	12	1,113	9,984
Rectum	5,721	14	904	6,639
Total	14,580	26	2,017	16,623

Table 21-10

Tumor invasion of surgical margin, histological, by site

Site	Distal cut end (aw)			Total
	aw(-)	aw(+)	X	
V	47	1	10	58
C	947	1	132	1,080
A	2,022	3	242	2,267
T	1,379	4	158	1,541
D	695	0	90	785
S	3,759	5	489	4,253
Rs	1,839	12	231	2,082
Ra	1,610	10	255	1,875
Rb	2,146	30	406	2,582
P	83	1	16	100
Colon	8,849	14	1,121	9,984
Rectum	5,678	53	908	6,639
Total	14,527	67	2,029	16,623

Table 21-11

Tumor invasion of surgical margin, histological, by site

Site	Surgical cut end (ew)			Total
	ew(-)	ew(+)	X	
V	46	1	11	58
C	891	24	165	1,080
A	1,925	57	285	2,267
T	1,295	22	224	1,541
D	650	21	114	785
S	3,538	72	643	4,253
Rs	1,737	54	291	2,082
Ra	1,552	47	276	1,875
Rb	2,127	102	353	2,582
P	74	13	13	100
Colon	8,345	197	1,442	9,984
Rectum	5,490	216	933	6,639
Total	13,835	413	2,375	16,623

ow(-) No tumor invasion on proximal cut end

ow(+) Tumor invasion on proximal cut end

aw(-) No tumor invasion on distal cut end

aw(+) Tumor invasion on distal cut end

ew(-) No tumor invasion on surgical cut end

ew(+) Tumor invasion on surgical cut end

Table 21-12

Tumor invasion of surgical margin, histological

Proximal cut end	Distal cut end			Total
	aw(-)	aw(+)	X	
ow(-)	14,496	52	32	14,580
ow(+)	10	15	1	26
X	21	0	1.996	2,017
Total	14,527	67	2,029	16,623

Table 21-13

Tumor invasion of surgical margin, histological

Proximal cut end	Surgical cut end			X	Total
	ew(-)	ew(+)			
ow(-)	12,893	388		1,299	14,580
ow(+)	16	3		7	26
X	926	22		1,069	2,017
Total	13,835	413		2,375	16,623

Table 21-14

Tumor invasion of surgical margin, histological

Distal cut end	Surgical cut end			X	Total
	ew(-)	ew(+)			
aw(-)	12,855	381		1,291	14,527
aw(+)	42	11		14	67
X	938	21		1,070	2,029
Total	13,835	413		2,375	16,623

Table 22-1

Histological examination of peritoneal metastasis, by site

Site	Histological or cytological examination			X	Total
	Not examined	Positive histology	Positive cytology		
V	21	9	4	24	58
C	558	88	45	389	1,080
A	1,199	154	84	830	2,267
T	860	89	43	549	1,541
D	429	37	21	298	785
S	2,349	259	142	1,503	4,253
Rs	1,168	112	99	703	2,082
Ra	978	91	80	726	1,875
Rb	1,360	106	77	1,039	2,582
P	49	3	2	46	100
Colon	5,416	636	339	3,593	9,984
Rectum	3,555	312	258	2,514	6,639
Total	8,971	948	597	6,107	16,623

Table 22-2

Histological examination of peritoneal metastasis

Peritoneal metastasis	Histological or cytological examination				X	Total
	Not examined	Positive histology	Positive cytology			
P0	8,687	659	513		5,681	15,540
P1	104	116	37		120	377
P2	40	70	19		57	186
P3	60	95	23		75	253
PX	80	8	5		174	267
Total	8,971	948	597		6,107	16,623

Table 23

Additional and/or adjuvant therapy, by site (multi-answers)

Site	None	Radiation			Chemotherapy			OTH	X	Total
		pre	intra	post	pre	intra	post			
V	20	0	1	0	1	0	18	0	3	43
C	527	0	1	2	9	0	298	2	45	884
A	1,123	4	0	4	12	3	609	7	107	1,869
T	813	3	0	3	8	1	349	3	64	1,244
D	400	2	0	3	7	0	217	1	36	666
S	1,974	20	1	15	33	2	1,171	16	178	3,410
Rs	879	4	1	10	18	4	660	1	89	1,666
Ra	883	14	2	21	17	1	556	7	67	1,568
Rb	1,177	98	1	64	66	2	709	7	94	2,218
P	42	13	0	2	12	0	33	0	4	106
Colon	4,857	29	3	27	70	6	2,662	29	433	8,116
Rectum	2,981	129	4	97	113	7	1,958	15	254	5,558
Total	7,838	158	7	124	183	13	4,620	44	687	13,674

pre preoperative therapy

intra intraoperative therapy

post postoperative therapy

Table 24-1

Operative procedures, patients without tumor resection, by site

Site	Explora-tory	Enterostomy						OTH	Total
		Ileum	Right colon	Transve-rse	Left colon	Bypass			
V	1	1	0	0	0	5	0	7	
C	2	2	1	0	2	14	0	21	
A	2	1	1	1	0	3	0	8	
T	0	2	1	2	0	0	0	5	
D	3	4	1	12	3	1	3	27	
S	0	2	1	7	17	0	1	28	
Rs	5	3	0	6	10	1	1	26	
Ra	1	1	0	4	13	1	5	25	
Rb	0	0	0	0	1	0	0	1	
Colon	8	12	5	22	22	23	4	96	
Rectum	6	4	0	10	24	2	6	52	
Total	14	16	5	32	46	25	10	148	

Exploratory exploratory laparotomy
 ileum ileostomy
 Right colon Colostomy on the right colon
 Transverse Colostomy on the transverse colon
 Left colon Colostomy on the left colon

Table 24-2

Operative procedures, laparoscopic surgery

Site	No	Laparoscopic surgery (LS)				X	Total
		LS only	LS assisted	OTH	Yes		
V	47	1	1	0	9	58	
C	759	67	122	0	125	1,073	
A	1,662	92	225	2	265	2,246	
T	1,142	50	169	2	170	1,533	
D	580	34	81	0	85	780	
S	3,094	191	398	3	540	4,226	
Rs	1,598	63	145	1	247	2,054	
Ra	1,488	47	90	4	220	1,849	
Rb	2,168	53	35	3	298	2,557	
P	85	0	1	0	13	99	
Colon	7,284	435	996	7	1,194	9,916	
Rectum	5,339	163	271	8	778	6,559	
Total	12,623	598	1,267	15	1,972	16,475	

Table 24-3
Operative procedures

Polypectomy	trans-abdominal	7
	trans-anal	58
	trans-sacral	2
	trans-sphincteric	1
Tumorectomy	trans-abdominal	8
	trans-anal	283
	trans-sacral	18
	trans-sphincteric	5
Segmental resection	colon	451
	rectum	187
Appendectomy		7
Ileocecal resection		737
Ascending colectomy		202
Right hemicolectomy		2,674
Transverse colectomy		774
Descending colectomy		260
Left hemicolectomy		527
Sigmoidectomy		3,342
Subtotal colectomy		35
Total colectomy		25
Sphincter preserving operation	high anterior resection	1,359
	low anterior resection	3,291
	posterior resection	40
	invagination method	0
	pull through procedure	7
	abdominosacral resection	55
Hartmann's operation		467
Amputation of the rectum	abdominoperineal	1,086
	abdominosacral	34
Total pelvic exenteration		72
Total resection of the colon and rectum	with ileostomy	12
	with ileoanal anastomosis	19
OTH		212
X		218
Total		16,475

Table 25-1

Lymph node dissection, paraintestinal, by site

Site	Lymph node dissection, paraintestinal nodes				Total
	D0	D1	D2	X	
V	6	16	27	9	58
C	30	222	678	143	1,073
A	40	448	1,490	268	2,246
T	59	455	861	158	1,533
D	27	204	452	97	780
S	99	1,018	2,580	529	4,226
Rs	40	441	1,326	247	2,054
Ra	59	369	1,150	271	1,849
Rb	233	457	1,452	415	2,557
P	9	9	55	26	99
Colon	261	2,363	6,088	1,204	9,916
Rectum	341	1,276	3,983	959	6,559
Total	602	3,639	10,071	2,163	16,475

Table 25-2

Lymph node dissection, mesenteric, by site

Site	Lymph node dissection, mesenteric nodes				Total
	D0	D2	D3	X	
V	17	11	22	8	58
C	89	338	493	153	1,073
A	141	744	1,067	294	2,246
T	204	631	510	188	1,533
D	83	311	263	123	780
S	376	1,497	1,749	604	4,226
Rs	153	692	959	250	2,054
Ra	160	578	827	284	1,849
Rb	343	668	1,102	444	2,557
P	11	22	43	23	99
Colon	910	3,532	4,104	1,370	9,916
Rectum	667	1,960	2,931	1,001	6,559
Total	1,577	5,492	7,035	2,371	16,475

Table 25-3

Lymph node dissection, rectum, lateral, by site

Site	Lymph node dissection, lateral nodes				Total
	D0	D2	D3	X	
Rs	1,073	88	105	788	2,054
Ra	887	107	197	658	1,849
Rb	901	299	572	785	2,557
P	30	9	26	34	99
Total	2,891	503	900	2,265	6,559

D0 No dissection or incomplete dissection of Group 1 lymph nodes

D1 Dissection of Group 1 lymph nodes

D2 Dissection of Group 1 and 2 lymph nodes

D3 Dissection of Group 1, 2, and 3 lymph nodes

Table 26-1

Combined resection, by site

Site	Number of organs resected							Total
	0	1	2	3	4	>=5	X	
V	48	6	2	2	0	0	0	58
C	902	129	24	6	0	0	12	1,073
A	1,968	232	30	3	1	0	12	2,246
T	1,346	145	30	5	1	0	6	1,533
D	675	87	11	1	2	0	4	780
S	3,662	414	85	29	7	0	29	4,226
Rs	1,772	203	48	15	4	0	12	2,054
Ra	1,661	134	29	10	3	3	9	1,849
Rb	2,282	198	30	21	1	0	25	2,557
P	77	16	2	2	1	0	1	99
Colon	8,601	1,013	182	46	11	0	63	9,916
Rectum	5,792	551	109	48	9	3	47	6,559
Total	14,393	1,564	291	94	20	3	110	16,475

Table 26-2

Combined resection, by site (multi-answers)

Organ	Site										Total
	V	C	A	T	D	S	Rs	Ra	Rb	P	
Abdominal wall	0	33	45	12	15	30	10	4	2	0	151
Pelvic wall	0	1	1	0	0	4	2	5	8	2	23
Uterus	1	4	4	3	4	36	34	38	38	1	163
Ovary & tube	4	25	21	6	11	61	45	26	22	0	221
Vagina	0	1	0	0	0	1	2	7	42	8	61
Seminal vesicle	0	1	1	1	0	15	12	24	33	3	90
Prostate	0	0	1	0	0	9	8	11	32	5	66
Bladder	2	2	2	0	0	158	64	31	25	3	287
Ureter	0	2	1	0	3	16	10	7	4	2	45
Stomach	0	4	13	30	8	24	5	10	9	0	103
Duodenum	1	1	12	13	1	1	0	0	0	0	29
Small intestine	3	22	16	29	15	83	42	9	5	0	224
Colon	1	18	18	11	6	41	15	11	13	0	134
Rectum	0	7	5	2	0	11	1	2	1	0	29
Liver	2	15	54	36	18	92	54	34	46	0	351
Omentum	1	12	17	13	4	13	1	0	0	0	61
Remote organ	0	1	4	2	1	4	3	0	2	1	18
OTH	1	46	90	66	34	100	52	30	43	5	467
X	0	1	1	3	0	3	1	1	2	1	13
Total	16	196	306	227	120	702	361	250	327	31	2,536

Table 27-1

Treatment for liver metastasis, by site

Site	Resection of liver metastasis			Total
	Complete	Incomplete	X	
C	14	3	1	18
A	46	8	2	56
T	22	4	3	29
D	11	3	1	15
S	93	15	10	118
Rs	45	10	3	58
Ra	37	6	6	49
Rb	37	8	4	49
Colon	186	33	17	236
Rectum	119	24	13	156
Total	305	57	30	392

Table 27-2

Treatment for liver metastasis

Liver metastasis	Resection of liver metastasis			Total
	Complete	Incomplete	X	
H1	214	17	10	241
H2	58	14	7	79
H3	33	26	13	72
Total	305	57	30	392

Table 27-3

Treatment for liver metastasis, by site

Site	Treatment modality other than hepatectomy			Total
	Ethanol	MCT	OTH	
C	1	0	14	15
A	1	3	14	18
T	1	5	6	12
D	1	2	8	11
S	1	9	30	40
Rs	1	7	15	23
Ra	0	3	16	19
Rb	0	6	13	19
Colon	5	19	72	96
Rectum	1	16	44	61
Total	6	35	116	157

Table 27-4

Treatment for liver metastasis(multi-answars)

Liver metastasis	Treatment modality other than hepatectomy			Total
	Ethanol	MCT	OTH	
H1	0	10	30	40
H2	1	18	21	40
H3	5	7	65	77
Total	6	35	116	157

Ethanol ethanol injection therapy

MCT microwave coagulotherapy

Table 28-1

Curability of surgical resection, macroscopic, by site

Site	Curability of surgical resection					X	Total
	Cur A	Cur B	Cur C	Not resected			
V	33	5	16	1		3	58
C	802	75	161	9		33	1,080
A	1,709	158	303	22		75	2,267
T	1,239	84	163	7		48	1,541
D	618	45	98	3		21	785
S	3,236	285	566	26		140	4,253
Rs	1,593	136	261	23		69	2,082
Ra	1,442	112	219	18		84	1,875
Rb	2,021	197	224	23		117	2,582
P	69	7	18	1		5	100
Colon	7,637	652	1,307	68		320	9,984
Rectum	5,125	452	722	65		275	6,639
Total	12,762	1,104	2,029	133		595	16,623

Cur A No residual tumors

Cur B No residual tumors but not evaluable as "Cur A"

Cur C Definite residual tumors

Table 28-2

Curability of surgical resection, microscopic, by site

Curability of surgical resection

Site	cur A	cur B	cur C	Not resected	X	Total
V	31	6	12	1	8	58
C	769	72	158	9	72	1,080
A	1,645	159	292	19	152	2,267
T	1,169	94	147	7	124	1,541
D	591	52	97	4	41	785
S	3,071	284	536	22	340	4,253
Rs	1,519	140	245	24	154	2,082
Ra	1,429	116	217	21	92	1,875
Rb	1,939	217	241	20	165	2,582
P	65	8	20	1	6	100
Colon	7,276	667	1,242	62	737	9,984
Rectum	4,952	481	723	66	417	6,639
Total	12,228	1,148	1,965	128	1,154	16,623

cur A No residual tumors

cur B No residual tumors but not evaluable as "cur A"

cur C Definite residual tumors

Table 29-1

Histological stage, by site

Histological stage

Site	0	I	II	IIIa	IIIb	IV	X	Total
V	2	4	14	11	6	20	1	58
C	85	176	269	198	125	213	14	1,080
A	135	322	695	414	228	431	42	2,267
T	121	298	478	255	144	218	27	1,541
D	47	128	253	164	62	125	6	785
S	154	776	1,221	846	387	805	64	4,253
Rs	58	372	600	459	198	368	27	2,082
Ra	69	351	489	459	181	292	34	1,875
Rb	152	690	525	484	345	322	64	2,582
P	7	18	18	16	19	17	5	100
Colon	544	1,704	2,930	1,888	952	1,812	154	9,984
Rectum	286	1,431	1,632	1,418	743	999	130	6,639
Total	830	3,135	4,562	3,306	1,695	2,811	284	16,623

Table 29-2**Histological stage, by curability of surgical resection**

Curability	Histological stage							Total
	0	I	II	IIIa	IIIb	IV	X	
curA	781	2,849	4,134	2,950	1,242	134	138	12,228
curB	10	45	96	167	217	607	6	1,148
curC	5	3	27	80	59	1,771	20	1,965
Not resected	0	1	4	0	3	97	23	128
X	34	237	301	109	174	202	97	1,154
Total	830	3,135	4,562	3,306	1,695	2,811	284	16,623

Table 30**Accompanied lesion, by site (multi-answers)**

Site	Accompanied lesions								Total
	Adenoma	Adeno-matosis	Ulcer-ative colitis	Crohn's disease	Radiation colitis	Anal fistula	OTH	X	
V	2	0	0	0	0	0	1	22	25
C	101	3	1	0	0	0	38	273	416
A	253	19	1	2	2	0	78	519	874
T	166	8	3	2	0	0	53	361	593
D	55	2	1	0	0	0	28	164	250
S	361	16	4	0	0	0	145	993	1,519
Rs	196	9	4	1	3	0	77	477	767
Ra	155	8	8	0	2	1	69	387	630
Rb	189	13	7	2	1	6	88	545	851
P	3	0	0	0	1	0	7	21	32
Colon	938	48	10	4	2	0	343	2,332	3,677
Rectum	543	30	19	3	7	7	241	1,430	2,280
Total	1,481	78	29	7	9	7	584	3,762	5,957

Table 31

Site and number of cancers

Site	Number of cancers						Total
	1	2	3	4	>=5	X	
C	43	2	0	0	0	5	50
A	88	8	2	0	0	11	109
T	52	7	2	0	0	11	72
D	42	4	1	0	0	6	53
S	286	21	2	1	3	37	350
Rs	70	4	1	0	0	17	92
Ra	53	1	0	0	0	19	73
Rb	58	1	0	0	0	15	74
P	1	0	0	0	0	0	1
Colon	511	42	7	1	3	70	634
Rectum	182	6	1	0	0	51	240
Total	693	48	8	1	3	121	874

Table 32-1

Endoscopic excision

Site	Modality of endoscopic resection			Total
	Electric cautery	OTH	X	
C	43	0	7	50
A	92	0	17	109
T	59	0	13	72
D	46	0	7	53
S	300	0	50	350
Rs	73	0	19	92
Ra	54	1	18	73
Rb	57	0	17	74
P	1	0	0	1
Colon	540	0	94	634
Rectum	185	1	54	240
Total	725	1	148	874

Table 32-2

Endoscopic excision, evaluation of the excision

Site	Excision				Total
	Complete	Incomplete	Undecidable	X	
C	38	9	0	3	50
A	84	11	4	10	109
T	58	5	0	9	72
D	43	2	1	7	53
S	271	32	12	35	350
Rs	66	6	1	19	92
Ra	46	8	0	19	73
Rb	50	8	3	13	74
P	1	0	0	0	1
Colon	494	59	17	64	634
Rectum	163	22	4	51	240
Total	657	81	21	115	874

Table 32-3

Endoscopic excision, evaluation of the retrieval of resected specimens

Site	Specimens				Total
	Complete	Incomplete	No retrieval	X	
C	40	5	0	5	50
A	90	3	1	15	109
T	61	1	0	10	72
D	43	1	0	9	53
S	300	3	0	47	350
Rs	72	1	0	19	92
Ra	53	1	0	19	73
Rb	56	2	1	15	74
P	1	0	0	0	1
Colon	534	13	1	86	634
Rectum	182	4	1	53	240
Total	716	17	2	139	874

Table 33-1

Gross appearance , by site

Site	Gross appearance									Total	
	Ip	Isp	Is	IIa	IIa+IIc	IIb	IIc	IIc+IIa	OTH		
C	7	9	12	10	1	0	1	0	4	6	50
A	19	35	12	14	3	0	0	0	5	21	109
T	12	14	8	12	4	0	1	0	4	17	72
D	13	16	7	4	1	0	0	0	0	12	53
S	97	109	42	22	6	0	1	0	6	67	350
Rs	13	23	16	4	1	0	1	0	3	31	92
Ra	6	22	7	9	1	0	0	1	1	26	73
Rb	5	23	8	10	6	1	0	0	6	15	74
P	0	0	1	0	0	0	0	0	0	0	1
Colon	148	183	81	62	15	0	3	0	19	123	634
Rectum	24	68	32	23	8	1	1	1	10	72	240
Total	172	251	113	85	23	1	4	1	29	195	874

Table 33-2

Gross appearance, by DI

DI	Gross appearance									Total	
	Ip	Isp	Is	IIa	IIa+IIc	IIb	IIc	IIc+IIa	OTH		
m	89	122	53	50	9	0	3	1	15	45	387
sm	54	89	37	22	13	1	1	0	11	111	339
mp	0	0	1	0	1	0	0	0	0	6	8
>ss/a1	0	0	0	0	0	0	0	0	0	23	23
X	29	40	22	13	0	0	0	0	3	10	117
Total	172	251	113	85	23	0	4	1	29	195	874
Depth of submucosal invasion											
slight	10	8	1	2	1	0	0	0	1	8	31
massive	20	42	19	10	10	1	0	0	6	21	129
X	24	39	17	10	2	0	1	0	4	82	179

Table 34
DI, by site

Site	DI						Grade of sm invasion		
	m	sm	mp	>ss/a1	X	Total	slight	massive	NOS
C	31	9	1	0	9	50	1	4	4
A	57	26	1	0	25	109	2	6	18
T	37	22	2	1	10	72	2	6	14
D	30	15	0	0	8	53	2	4	9
S	149	160	2	7	32	350	14	67	79
Rs	28	43	0	7	14	92	4	14	25
Ra	28	29	1	6	9	73	0	18	11
Rb	26	35	1	2	10	74	6	10	19
P	1	0	0	0	0	1	0	0	0
Colon	304	232	6	8	84	634	21	87	124
Rectum	83	107	2	15	33	240	10	42	55
Total	387	339	8	23	117	874	31	129	179

Table 35-1
Histological classification, by site

Site	Histological classification				Total
	Carcinoma in adenoma	Carcinoma with adenomatous component	Carcinoma without adenomatous component	X	
C	37	4	2	7	50
A	76	9	12	12	109
T	48	4	7	13	72
D	37	1	3	12	53
S	201	37	49	63	350
Rs	45	6	15	26	92
Ra	36	6	9	22	73
Rb	37	4	15	18	74
P	0	0	1	0	1
Colon	399	55	73	107	634
Rectum	118	16	40	66	240
Total	517	71	113	173	874

Table 35-2**Histological classification, by site**

Site	Histological classification							
	w/d	m/d	p/d	muc	sig	NOS	X	Total
C	21	2	0	0	0	24	3	50
A	35	4	1	0	0	58	11	109
T	27	6	2	0	0	27	10	72
D	16	2	0	0	0	28	7	53
S	163	36	1	0	0	108	42	350
Rs	38	5	0	0	0	31	18	92
Ra	24	10	0	0	0	22	17	73
Rb	31	7	1	0	0	21	14	74
P	0	1	0	0	0	0	0	1
Colon	262	50	4	0	0	245	73	634
Rectum	93	23	1	0	0	74	49	240
Total	355	73	5	0	0	319	122	874

w/d: well-differentiated adenocarcinoma, m/d: moderately differentiated adenocarcinoma, p/d: poorly differentiated adenocarcinoma, muc: mucinous adenocarcinoma, sig: signet-ring cell carcinoma, NOS: adenocarcinoma not otherwise specified

Table 36**Lymphatic invasion and sm invasion**

sm invasion	Lymphatic invasion					Total
	ly0	ly1	ly2	ly(+)	X	
slight	17	8	0	1	5	31
massive	55	32	8	5	29	129
NOS	48	31	1	1	98	179
Total	120	71	9	7	132	339

Table 37**Venous invasion and sm invasion**

sm invasion	Venous invasion					Total
	v0	v1	v2	v(+)	X	
slight	21	3	0	2	5	31
massive	77	16	3	5	28	129
NOS	71	8	1	1	98	179
Total	169	27	4	8	131	339

Table 38-1

Tumor size, by gross appearance

Size (mm)	Gross appearance									X	Total
	Ip	Isp	Is	IIa	IIa+IIc	IIb	IIc	IIc+IIa	OTH		
<=5	5	14	14	2	1	0	0	0	2	4	42
6-10	64	116	55	22	9	0	2	1	6	19	294
11-15	42	47	15	18	5	0	0	0	2	20	149
16-20	17	29	9	15	2	1	0	0	1	12	86
21-30	27	14	8	11	1	0	0	0	4	5	70
31-40	0	3	0	4	0	0	0	0	1	3	11
>40	0	2	0	1	0	0	0	0	1	0	4
X	17	26	12	12	5	0	2	0	12	132	218
Total	172	251	113	85	23	1	4	1	29	195	874

Table 38-2

Tumor size, by DI

Size (mm)	DI					X	Total
	m	sm	mp	ss/al			
<=5	22	10	0	1		9	42
6-10	162	67	0	0		65	294
11-15	71	59	1	0		18	149
16-20	41	36	0	0		9	86
21-30	36	26	0	0		8	70
31-40	7	3	0	0		1	11
>40	1	3	0	0		0	4
X	47	135	7	22		7	218
Total	387	339	8	23		117	874

Table 39

Cut end of the specimen, mucosal and submucosal

m-ce	DI						X	Total		
	m	sm		mp	>ss/al					
		-	+		X	X				
-	231	104	32	5	1	0	74	447		
+	63	11	12	2	1	0	2	91		
X	93	28	26	119	6	23	41	336		
Total	387	143	70	126	8	23	117	874		

m-ce mucosal cut end of the specimen

sm-ce submucosal cut end of the specimen

A tumor free margin of <0.5mm in width from the cut end was classified as positive.

Table 40-1
Metastasis, by site

Site	Any metastasis			Total
	No	Yes	X	
C	42	0	8	50
A	91	2	16	109
T	50	1	21	72
D	41	0	12	53
S	267	3	80	350
Rs	61	1	30	92
Ra	45	0	28	73
Rb	53	0	21	74
P	1	0	0	1
Colon	491	6	137	634
Rectum	160	1	79	240
Total	651	7	216	874

Table 40-2
Metastasis, by DI

DI	Any metastasis			Total
	No	Yes	X	
m	311	0	76	387
sm	225	6	108	339
mp	2	0	6	8
>ss/a1	0	0	23	23
X	113	1	3	117
Total	651	7	216	874

Table 41-1

Curability of endoscopic excision, by site

Site	Evaluation of colorectal endoscopy				Total
	cur A	cur B	cur C	X	
C	33	0	2	15	50
A	68	4	5	32	109
T	40	1	3	28	72
D	30	0	0	23	53
S	237	11	8	94	350
Rs	60	0	4	28	92
Ra	43	1	4	25	73
Rb	43	1	4	26	74
P	1	0	0	0	1
Colon	408	16	18	192	634
Rectum	147	2	12	79	240
Total	555	18	30	271	874

Table 41-2

Curability of endoscopic excision, by DI

DI	Evaluation of colorectal endoscopy				Total
	cur A	cur B	cur C	X	
m	248	6	8	125	387
sm	200	12	18	109	339
mp	2	0	0	6	8
>ss/a1	1	0	0	22	23
X	104	0	4	9	117
Total	555	18	30	271	874

Table 42-1
Additional surgery

	Additional surgical resection		
	Yes	No	Total
Site			
C	15	35	50
A	32	77	109
T	23	49	72
D	17	36	53
S	166	184	350
Rs	50	42	92
Ra	38	35	73
Rb	41	33	74
P	0	1	1
DI			
m	48	339	387
sm	291	48	339
mp	8	0	8
>ss/al	23	0	23
X	12	105	117
sm invasion (sm cancers)			
slight	22	9	31
massive	121	8	129
NOS	148	31	179
Histology, Adenomatous component			
Carcinoma in adenoma	95	422	517
Carcinoma with			
adenomatous component	40	31	71
Carcinoma without			
adenomatous component	84	29	113
X	163	10	173
Histological classification			
w/d	188	167	355
m/d	50	23	73
p/d	4	1	5
muc	0	0	0
sig	0	0	0
NOS	18	301	319
X	122	0	122

Table 42-2
Additional surgery

	<u>Additional surgical resection</u>		
	Yes	No	Total
m-ce			
-	135	312	447
+	27	64	91
X	220	116	336
sm-ce (sm cancers)			
-	118	25	143
+	57	13	70
X	116	10	126
ly (sm cancers)			
ly0	103	17	120
ly1	66	5	71
ly2	9	0	9
ly(+)	7	0	7
X	106	26	132
v (sm cancers)			
v0	146	23	169
v1	26	1	27
v2	4	0	4
v(+)	8	0	8
X	107	24	131
Evaluation of colorectal endoscopy			
cur A	204	351	555
cur B	12	6	18
cur C	23	7	30
X	143	128	271

Table 43

Laparoscopic surgery as additional surgery

Site	No	Laparoscopic surgery (LS)			Total
		LS only	LS assisted	YES	
C	6	2	5	2	15
A	13	6	12	1	32
T	16	3	4	0	23
D	9	3	5	0	17
S	76	16	66	8	166
Rs	30	1	16	3	50
Ra	30	0	6	2	38
Rb	35	1	2	3	41
Colon	150	31	108	14	303
Rectum	65	1	8	5	79
Total	215	32	116	19	382

Table 44

Residual cancer in surgically resected specimen, additional surgery

Site	Residual cancer in the resected specimen			Total
	No	Yes	X	
C	6	5	4	15
A	15	4	13	32
T	9	5	9	23
D	11	1	5	17
S	97	22	47	166
Rs	21	7	22	50
Ra	23	4	11	38
Rb	17	8	16	41
Colon	138	37	78	253
Rectum	61	19	49	129
Total	199	56	127	382

Table 45

DI, by site, additional surgery

Site	DI							Total
	m	sm	mp	ss/a1	se/a2	si/ai	X	
C	4	6	4	0	0	0	1	15
A	5	23	0	1	1	1	1	32
T	3	14	3	0	1	0	2	23
D	4	13	0	0	0	0	0	17
S	14	116	6	8	0	2	20	166
Rs	1	31	1	5	3	0	9	50
Ra	1	29	1	6	1	0	0	38
Rb	7	23	1	2	0	0	8	41
Colon	30	172	13	9	2	3	24	253
Rectum	9	83	3	13	4	0	17	129
Total	39	255	16	22	6	3	41	382

Table 46-1

Lymph node metastasis, macroscopic, by site, additional surgery

Site	Lymph node metastasis						Total
	N0	N1	N2	N3	N4	NX	
C	14	1	0	0	0	0	15
A	27	2	0	1	1	1	32
T	19	1	1	1	0	1	23
D	17	0	0	0	0	0	17
S	150	10	2	0	0	4	166
Rs	41	6	0	0	0	3	50
Ra	34	3	1	0	0	0	38
Rb	34	1	0	0	1	5	41
Colon	227	14	3	2	1	6	253
Rectum	109	10	1	0	1	8	129
Total	336	24	4	2	2	14	382

Table 46-2

Lymph node metastasis, histological, by site, additional surgery

Site	Lymph node metastasis						Total
	n0	n1	n2	n3	n4	nX	
C	13	0	1	0	0	1	15
A	27	2	1	1	0	1	32
T	19	1	0	1	0	2	23
D	17	0	0	0	0	0	17
S	140	10	1	0	0	15	166
Rs	38	4	1	0	0	7	50
Ra	33	2	3	0	0	0	38
Rb	30	1	0	0	1	9	41
Colon	216	13	3	2	0	19	253
Rectum	101	7	4	0	1	16	129
Total	317	20	7	2	1	35	382

Table 47

Lymphatic invasion in surgically resected specimen, additional surgery

Site	Lymphatic invasion						Total
	ly0	ly1	ly2	ly3	ly(+)	X	
C	10	3	0	0	0	2	15
A	16	5	4	0	1	6	32
T	15	3	1	0	0	4	23
D	11	2	0	0	1	3	17
S	88	31	5	1	2	39	166
Rs	19	13	3	0	0	15	50
Ra	19	12	3	1	0	3	38
Rb	21	7	1	0	0	12	41
Colon	140	44	10	1	4	54	253
Rectum	59	32	7	1	0	30	129
Total	199	76	17	2	4	84	382

Table 48

Venous invasion in surgically resected specimen, additional surgery

Site	Venous invasion						Total
	v0	v1	v2	v3	v(+)	X	
C	11	1	0	0	0	3	15
A	20	4	2	0	0	6	32
T	19	0	0	0	0	4	23
D	14	0	0	0	0	3	17
S	106	11	6	0	3	40	166
Rs	26	6	3	0	1	14	50
Ra	22	8	4	1	0	3	38
Rb	26	3	0	0	0	12	41
Colon	170	16	8	0	3	56	253
Rectum	74	17	7	1	1	29	129
Total	244	33	15	1	4	85	382

Table 49

Curability of surgical resection, additional surgery

Site	Curability				Total
	curA	curB	curC	X	
C	14	0	0	1	15
A	27	1	1	3	32
T	20	0	0	3	23
D	17	0	0	0	17
S	149	3	1	13	166
Rs	41	0	1	8	50
Ra	38	0	0	0	38
Rb	32	1	1	7	41
Colon	227	4	2	20	253
Rectum	111	1	2	15	129
Total	338	5	4	35	382

Table 50

Histological stage, additional surgery

Site	Histological stage							Total
	0	I	II	IIIa	IIIb	IV	X	
C	4	9	0	0	1	0	1	15
A	5	19	1	3	1	1	2	32
T	3	15	0	1	1	0	3	23
D	4	13	0	0	0	0	0	17
S	15	115	5	11	1	2	17	166
Rs	1	28	6	4	1	1	9	50
Ra	1	27	5	2	3	0	0	38
Rb	7	24	0	1	0	1	8	41
Colon	31	171	6	15	4	3	23	253
Rectum	9	79	11	7	4	2	17	129
Total	40	250	17	22	8	5	40	382

Table 51

Operative procedures, additional surgery

Operative procedure	Site								Total
	C	A	T	D	S	Rs	Ra	Rb	
Trans-anal polypectomy	0	0	0	0	0	0	0	2	2
Trans-anal resection	0	0	0	0	0	0	0	9	9
Trans-sacral resection	0	0	0	0	0	0	0	1	1
Partial colectomy	0	0	5	3	6	0	0	0	14
Ileocecal resection	12	8	0	0	0	0	0	0	20
Ascending colectomy	0	3	0	0	1	0	0	0	4
Right colectomy	1	17	2	0	2	0	0	0	22
Transverse colectomy	0	1	15	0	1	0	0	0	17
Descending colectomy	0	0	0	8	0	0	0	0	8
Left colectomy	0	0	0	3	1	0	0	0	4
Sigmoideectomy	0	1	0	1	132	2	0	0	136
Subtotal colectomy	0	0	1	0	0	0	0	0	1
Total colectomy	0	1	0	1	0	0	0	0	2
HAR	0	0	0	0	12	26	3	1	42
LAR	0	0	0	0	3	19	35	19	76
Abdomiosacral resection	0	0	0	0	0	0	0	1	1
Hartmann	0	0	0	0	1	0	0	0	1
APR	0	0	0	0	0	1	0	3	4
abdominosacral	0	0	0	0	0	0	0	1	1
OTH	0	1	0	0	1	1	0	1	4
X	2	0	0	1	6	1	0	3	13
Total	15	32	23	17	166	50	38	41	382

Malignant neoplasms other than adenocarcinoma

A total of 232 patients with malignancies other than adenocarcinoma was classified into 3 groups.

I)	All	232cases
II)	Surgery	196cases
III)	Endoscopic excision	34cases

Abbreviations of histological typing in this report.

sq	squamous cell carcinoma
as	adenosquamous carcinoma
ud	undifferentiated carcinoma
bsl	basaloid carcinoma
OEM	othe epithelial malignancies
cd	carcinoid
MM	malignant melanoma
LMS	leiomyosarcoma
NHL	non-Hodgkin lymphomas

Table 52-1

Age-specific incidence, males

Site	Age									Total
	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99		
V	1	0	0	0	1	0	0	0	2	
C	0	0	1	1	2	0	0	0	4	
A	0	0	0	1	5	3	1	0	10	
T	0	0	0	2	0	3	3	0	8	
D	0	0	0	0	1	0	0	0	1	
S	0	0	2	2	3	6	0	0	13	
Rs	0	0	1	3	1	5	3	0	13	
Ra	0	0	3	4	0	4	0	1	12	
Rb	0	3	8	18	12	4	0	0	45	
P	0	0	0	1	0	6	1	0	8	
Colon	1	0	3	6	12	12	4	0	38	
Rectum	0	3	12	26	13	19	4	1	78	
Total	1	3	15	32	25	31	8	1	116	

Table 52-2

Age-specific incidence, females

Site	Age									Total
	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99		
V	0	0	0	0	1	1	0	0	2	
C	0	0	1	2	3	3	1	0	10	
A	0	0	0	0	1	4	1	0	6	
T	0	0	0	0	1	2	0	0	3	
D	0	0	0	0	0	0	1	1	2	
S	0	0	1	2	6	2	0	0	11	
Rs	0	0	0	2	1	3	0	0	6	
Ra	0	2	1	3	5	0	0	0	11	
Rb	1	3	3	16	7	10	0	0	40	
P	0	0	2	3	9	7	4	0	25	
Colon	0	0	2	4	12	12	3	1	34	
Rectum	1	5	6	24	22	20	4	0	82	
Total	1	5	8	28	34	32	7	1	116	

Table 53

Histological typing, by site

Site	Histology										Total
	sq	as	ud	bsl	OEM	cd	MM	LMS	NHL	OTH	
V	0	0	0	0	1	2	0	0	1	0	4
C	0	0	1	0	3	0	0	0	3	6	13
A	0	2	2	0	1	0	0	0	4	7	16
T	0	0	2	0	3	0	0	1	1	4	11
D	1	0	0	0	1	0	0	0	0	1	3
S	0	2	0	0	4	0	0	1	0	9	16
Rs	0	2	1	0	0	2	0	2	0	8	15
Ra	1	1	3	0	3	7	0	0	1	4	20
Rb	3	2	6	0	4	36	2	2	1	11	67
P	20	0	0	4	2	0	4	0	0	1	31
Colon	1	4	5	0	13	2	0	2	9	27	63
Rectum	24	5	10	4	9	45	6	4	2	24	133
Total	25	9	15	4	22	47	6	6	11	51	196

Table 54

Modality of principal treatment

Treatment	Histology										Total
	sq	as	ud	bsl	OEM	cd	MM	LMS	NHL	OTH	
None	22	9	12	4	21	41	6	6	10	46	177
Surgery	2	0	0	0	0	0	0	0	0	0	2
Chemotherapy(CT)	0	0	0	0	1	3	0	0	0	5	9
RT+CT	1	0	0	0	0	0	0	0	0	0	1
X	0	0	3	0	0	3	0	0	1	0	7
Total	25	9	15	4	22	47	6	6	11	51	196

Table 55

DI

DI	Histology										Total
	sq	as	ud	bsl	OEM	cd	MM	LMS	NHL	OTH	
m	2	1	0	0	4	2	0	0	0	9	18
sm	2	1	1	1	0	21	1	2	1	2	32
mp	6	1	0	1	0	6	1	1	1	2	19
ss/a1	5	2	2	0	6	2	2	1	1	6	27
se/a2	4	2	5	1	5	3	1	0	1	4	26
si/ai	2	2	7	1	3	1	0	0	1	3	20
x	4	0	0	0	4	12	1	2	6	25	54
Total	25	9	15	4	22	47	6	6	11	51	196

Table 56

Lymph node metastasis, histological

Lymph node	Histology										Total
	sq	as	ud	bsl	OEM	cd	MM	LMS	NHL	OTH	
n0	9	5	2	4	11	21	1	6	4	26	89
n1	4	1	3	0	4	3	3	0	1	6	25
n2	4	2	5	0	4	3	1	0	2	4	25
n3	2	0	2	0	0	1	0	0	2	0	7
n4	1	1	1	0	0	1	0	0	0	0	4
nX	5	0	2	0	3	18	1	0	2	15	46
Total	25	9	15	4	22	47	6	6	11	51	196

Table 57

Tumor size (mm)

Size (mm)	Histology										Total
	sq	as	ud	bsl	OEM	cd	MM	LMS	NHL	OTH	
<=20	1	0	0	1	0	27	0	1	4	5	39
21-40	8	3	3	0	5	4	0	1	0	17	41
41-60	6	0	2	0	5	2	1	2	0	8	26
61-80	0	1	2	1	2	0	2	1	1	1	11
81-100	2	0	1	0	1	0	1	0	0	3	8
101-	0	0	0	0	0	0	0	0	2	1	3
X	8	5	7	2	9	14	2	1	4	16	68
Total	25	9	15	4	22	47	6	6	11	51	196

Table 58

Curability of surgical resection, histological

Curability	Histology										Total
	sq	as	ud	bsl	OEM	cd	MM	LMS	NHL	OTH	
curA	16	7	6	4	11	33	4	4	4	26	115
curB	2	1	1	0	2	2	1	0	2	5	16
curC	4	0	8	0	8	3	1	1	1	4	30
Not resected	1	0	0	0	0	0	0	0	1	1	3
X	2	1	0	0	1	9	0	1	3	15	32
Total	25	9	15	4	22	47	6	6	11	51	196

Table 59

Histological typing, by site

Site	Histology			Total
	cd	LMS	OTH	
C	0	0	1	1
A	0	0	0	0
T	0	0	0	0
D	0	0	0	0
S	0	1	7	8
Rs	2	0	2	4
Ra	3	0	0	3
Rb	16	0	2	18
Colon	0	1	8	9
Rectum	21	0	4	25
Total	21	1	12	34

Table 60

Endoscopic excision

Excision	Histology			Total
	cd	LMS	OTH	
Complete	11	1	8	20
Undecidable	5	0	2	7
X	5	0	2	7
Total	21	1	12	34

Table 61

DI

DI	Histology			Total
	cd	LMS	OTH	
m	4	0	0	4
sm	5	1	9	15
X	12	0	3	15
Total	21	1	12	34

Table 62

Cut end of the specimen, mucosal and submucosal

m	DI						Total	
	sm		X					
	sm-ce		-	+	-	+		
m-ce								
-	5	0	0	3	1	1	10	
+	3	0	0	0	1	0	4	
X	9	1	0	0	0	10	20	
Total	17	1	0	3	2	11	34	

Table 63

Curability of endoscopic excision

Curability	Histology			Total
	cd	LSM	OTH	
curA	9	1	7	17
curB	0	0	1	1
curC	0	0	0	0
X	12	0	4	16
Total	21	1	12	34

Selected data for survival analysis

Table 64

Number of excluded cases for survival analysis

Cases with the unknown current status	1,074
Missing for date of last contact for reportedly living cases	330
Missing for date of death for reportedly mortal cases	30
Reportedly living cases with cause of death	22
Cases with no surgical nor endoscopic treatment	10
Surgically treated cases not given day for the surgery	6
Cases with 0 day for survival	27
Cases with date of the last contact before surgery or with date of death before surgery	8
Cases younger than 15	4
Total	1,511

*Exclusion criteria were applied to in a sequence as shown in the table.

Table 65

Death within 30 days after surgery

Surgical curability	Death within 30 days	No.of surgeries	Percent
curA	27	12,021	0.2%
curB	15	1,023	1.5%
curC	30	1,815	1.7%
Unresect	7	113	6.2%
Unknown	5	167	3.0%
Missing	2	385	0.5%
Total	86	15,524	0.6%

Table 66-1
Age incidence

Male

Site	<20	<30	<40	<50	<60	<70	<80	<90	Total
V	0	0	0	6	7	6	4	2	25
C	0	2	7	28	73	152	164	57	483
A	0	4	21	51	199	364	398	113	1,150
T	1	5	16	43	144	243	263	86	801
D	0	0	3	31	90	160	161	32	477
S	0	7	19	105	530	903	797	134	2,495
Rs	0	3	16	72	274	416	353	85	1,219
Ra	0	5	21	88	280	420	296	63	1,173
Rb	1	6	37	137	433	571	351	89	1,625
P	0	1	1	7	13	18	13	2	55
Total	2	33	141	568	2,043	3,253	2,800	663	9,503

Table 66-2
Age incidence

Female

Site	<20	<30	<40	<50	<60	<70	<80	<90	Total
V	0	3	1	2	9	6	5	2	28
C	0	2	3	18	83	161	201	93	561
A	0	4	14	38	149	292	378	153	1,028
T	0	4	12	40	114	145	238	99	652
D	0	2	9	16	65	93	84	22	291
S	0	6	30	111	418	538	442	174	1,719
Rs	0	4	15	60	200	207	179	68	733
Ra	0	0	22	55	159	173	148	62	619
Rb	0	4	31	82	187	266	192	69	831
P	0	1	0	2	4	13	6	5	31
Total	0	30	137	424	1,388	1,894	1,873	747	6,493

Sex is missing for 4 cases

Table 67

Modality of treatment

Site	Surgery only	Endoscopy only	Endoscopy followed by surgery	Total
V	53	0	0	53
C	998	32	14	1,044
A	2,074	75	29	2,178
T	1,384	47	22	1,453
D	716	35	17	768
S	3,880	178	156	4,214
Rs	1,863	41	48	1,952
Ra	1,721	34	37	1,792
Rb	2,388	29	39	2,456
P	85	1	0	86
Total	15,162	472	362	15,996

Table 68

Surgical curability (histologically determined) for surgical cases*

Site	curA	curB	curC	Unresect	Unknown	Missing	Total
V	30	6	10	0	0	7	53
C	715	65	139	9	4	66	998
A	1,505	149	259	15	13	133	2,074
T	1,046	85	130	6	13	104	1,384
D	542	48	87	1	3	35	716
S	2,797	252	487	20	26	298	3,880
Rs	1,356	125	211	23	16	132	1,863
Ra	1,322	102	193	17	17	70	1,721
Rb	1,790	206	220	17	25	130	2,388
P	58	8	15	1	0	3	85
Total	11,161	1,046	1,751	109	117	978	15,162

*Surgical cases=Case treated by surgery alone or by endoscopy followed by surgery

Table 69

Liver metastasis for surgical cases

Site	H0	H1	H2	H3	Hx	Missing	Total
V	49	1	1	2	0	0	53
C	876	27	26	51	9	9	998
A	1,798	77	43	124	12	20	2,074
T	1,239	46	19	68	7	5	1,384
D	623	25	17	41	5	5	716
S	3,313	166	96	278	7	20	3,880
Rs	1,601	75	50	116	10	11	1,863
Ra	1,517	59	31	88	12	14	1,721
Rb	2,136	85	37	74	32	24	2,388
P	77	0	2	2	1	3	85
Total	13,229	561	322	844	95	111	15,162

Table 70

Peritoneal metastasis for surgical cases

Site	P0	P1	P2	P3	Hx	Missing	Total
V	38	3	6	6	0	0	53
C	893	32	24	37	5	7	998
A	1,888	56	42	62	12	14	2,074
T	1,304	24	16	24	11	5	1,384
D	676	11	10	11	3	5	716
S	3,648	95	44	52	13	28	3,880
Rs	1,760	45	16	21	11	10	1,863
Ra	1,635	39	12	6	15	14	1,721
Rb	2,266	29	5	10	56	22	2,388
P	80	0	0	0	1	4	85
Total	14,188	334	175	229	127	109	15,162

Table 71

Lung metastasis for surgical cases

Site	LM0	LM1	LM2	LM3	LMx	Missing	Total
V	47	0	0	0	0	6	53
C	900	9	0	8	24	57	998
A	1,875	30	6	10	51	102	2,074
T	1,251	15	1	3	35	79	1,384
D	646	6	1	8	12	43	716
S	3,508	57	8	20	72	215	3,880
Rs	1,679	29	3	16	42	94	1,863
Ra	1,526	32	4	15	49	95	1,721
Rb	2,140	32	10	14	67	125	2,388
P	73	2	0	2	2	6	85
Total	13,645	56	16	40	20	159	13,936

Table 72

Distant metasutasis for surgical cases

Site	M(-)	M(+)	Mx	Missing	Total
V	48	2	0	3	53
C	902	18	5	73	998
A	1,888	41	15	130	2,074
T	1,262	20	9	93	1,384
D	650	15	5	46	716
S	3,557	68	8	247	3,880
Rs	1,722	37	8	96	1,863
Ra	1,581	22	8	110	1,721
Rb	2,202	36	27	123	2,388
P	78	1	1	5	85
Total	13,890	260	86	926	15,162

Table 73

Macroscopic lymph node metastasis and depth of invasion

Colon cancer for surgical cases

	M	SM	MP	SS/A1	SE/A2	Si/Ai	Unknown	Missing	Total
N0	332	790	694	1,307	681	188	34	104	4,130
N1	4	41	150	987	1,035	291	11	38	2,557
N2	1	13	31	367	628	251	6	16	1,313
N3	0	0	5	70	137	66	2	5	285
N4	0	1	3	35	121	84	1	7	252
Nx	9	4	3	16	44	33	31	18	158
Missing	27	56	21	78	68	35	2	123	410
Total	373	905	907	2,860	2,714	948	87	311	9,105

Two cases with an inappropriate code for depth of invasion were included.

Table 74

Macroscopic lymph node metastasis and depth of invasion

Rectal cancer for surgical cases

	M	SM	MP	SS/A1	SE/A2	Si/Ai	Unknown	Missing	Total
N0	149	441	706	830	499	106	16	76	2,823
N1	1	20	129	645	785	168	7	31	1,786
N2	0	8	20	185	319	112	4	22	670
N3	0	0	6	38	77	44	1	9	175
N4	0	0	2	15	82	30	5	4	138
Nx	33	52	16	16	12	26	29	13	197
Missing	23	33	28	46	29	10	3	96	268
Total	206	554	907	1,775	1,803	496	65	251	6,057

One case with an inappropriate code for depth of invasion was included.

Table 75

Microscopic lymph node metastasis and depth of invasion

Colon cancer for surgical cases

	m	sm	mp	ss/a1	se/a2	si/ai	Unknown	Missing	Total
n0	459	825	740	2,294	654	231	14	29	5,246
n1	4	65	149	1,141	632	129	1	4	2,125
n2	0	17	30	463	345	81	1	6	943
n3	0	0	7	109	101	29	0	1	247
n4	0	0	2	44	58	38	0	2	144
nx	10	12	7	76	73	28	23	7	236
Missing	12	10	15	42	40	5	5	35	164
Total	485	929	950	4,169	1,903	541	44	84	9,105

Table 76

Microscopic lymph node metastasis and depth of invasion

Rectal cancer for surgical cases

	m	sm	mp	ss/a1	se/a2	si/ai	Unknown	Missing	Total
n0	181	507	770	1,039	541	118	7	16	3,179
n1	2	41	199	669	536	73	2	5	1,527
n2	0	12	38	267	314	61	2	2	696
n3	0	1	13	43	88	22	1	3	171
n4	1	2	3	22	66	17	1	1	113
nx	58	47	18	24	18	12	26	4	207
Missing	30	11	17	28	28	9	5	36	164
Total	272	621	1,058	2,092	1,591	312	44	67	6,057

One case with an inappropriate code for depth of invasion was included.

Survival analysis

Table77-1

Sex

Colon cancer, surgical cases

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	9,105	732	626	91.7%	0.3%	91.1% 92.2%
1-2	7,747	595	388	84.5%	0.4%	83.7% 85.2%
2-3	6,764	388	362	79.5%	0.4%	78.6% 80.3%
3-4	6,014	267	384	75.8%	0.5%	74.9% 76.7%
4-5	5,363	206	522	72.8%	0.5%	71.8% 73.7%
5-	4,635	340	4,295			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	5,021	401	348	91.7%	0.4%	91.0% 92.5%
1-2	4,272	339	203	84.3%	0.5%	83.3% 85.3%
2-3	3,730	220	198	79.2%	0.6%	78.0% 80.3%
3-4	3,312	162	210	75.2%	0.6%	73.9% 76.4%
4-5	2,940	132	294	71.6%	0.7%	70.3% 72.9%
5-	2,514	223	2,291			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	4,084	331	278	91.6%	0.4%	90.8% 92.4%
1-2	3,475	256	185	84.7%	0.6%	83.6% 85.8%
2-3	3,034	168	164	79.9%	0.6%	78.6% 81.1%
3-4	2,702	105	174	76.7%	0.7%	75.3% 78.0%
4-5	2,423	74	228	74.2%	0.7%	72.8% 75.6%
5-	2,121	117	2,004			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

Table77-2

Sex

Colon cancer, treated by endoscopy alone

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	367	6	79	98.2%	0.7%	96.9% 99.5%
1-2	282	2	19	97.4%	0.8%	95.8% 99.1%
2-3	261	5	18	95.5%	1.2%	93.3% 97.8%
3-4	238	3	20	94.3%	1.3%	91.7% 96.9%
4-5	215	3	27	92.9%	1.5%	89.9% 95.8%
5-	185	4	181			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	258	5	54	97.8%	0.9%	96.2% 99.5%
1-2	199	2	12	96.8%	1.1%	94.7% 99.0%
2-3	185	4	16	94.6%	1.5%	91.7% 97.5%
3-4	165	3	13	92.8%	1.8%	89.4% 96.3%
4-5	149	3	17	90.9%	2.0%	86.9% 94.8%
5-	129	3	126			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	109	1	25	99.0%	0.9%	97.2% 100.8%
1-2	83	0	7	99.0%	0.9%	97.2% 100.8%
2-3	76	1	2	97.6%	1.6%	94.6% 100.7%
3-4	73	0	7	97.6%	1.6%	94.6% 100.7%
4-5	66	0	10	97.6%	1.6%	94.6% 100.7%
5-	56	1	55			

Table78-1

Sex

Rectal cancer, surgical cases

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	6,057	399	334	93.2%	0.3%	92.6% 93.8%
1-2	5,324	450	219	85.2%	0.5%	84.3% 86.1%
2-3	4,655	323	221	79.1%	0.5%	78.1% 80.2%
3-4	4,111	243	280	74.3%	0.6%	73.2% 75.4%
4-5	3,588	157	357	70.9%	0.6%	69.7% 72.1%
5-	3,074	267	2,807			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	3,922	273	217	92.8%	0.4%	92.0% 93.6%
1-2	3,432	299	138	84.6%	0.6%	83.5% 85.7%
2-3	2,995	223	141	78.1%	0.7%	76.8% 79.5%
3-4	2,631	174	167	72.8%	0.7%	71.4% 74.2%
4-5	2,290	112	213	69.1%	0.8%	67.6% 70.6%
5-	1,965	189	1776			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	2,135	126	117	93.9%	0.5%	92.9% 94.9%
1-2	1,892	151	81	86.3%	0.7%	84.8% 87.7%
2-3	1,660	100	80	80.9%	0.9%	79.3% 82.6%
3-4	1,480	69	113	77.0%	0.9%	75.2% 78.9%
4-5	1,298	45	144	74.2%	1.0%	72.3% 76.1%
5-	1,109	78	1,031			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

Table 78-2

Sex

Rectal cancer, treated by endoscopy alone

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	105	1	23	98.9%	0.9%	97.1% 100.8%
1-2	81	0	7	98.9%	0.9%	97.1% 100.8%
2-3	74	2	6	96.1%	2.1%	92.1% 100.2%
3-4	66	1	7	94.6%	2.5%	89.7% 99.5%
4-5	58	1	1	93.0%	2.9%	87.2% 98.7%
5-	56	1	55			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	72	1	15	98.4%	1.4%	95.8% 101.1%
1-2	56	0	4	98.4%	1.4%	95.8% 101.1%
2-3	52	2	6	94.4%	2.9%	88.7% 100.2%
3-4	44	0	7	94.4%	2.9%	88.7% 100.2%
4-5	37	1	0	91.9%	3.8%	84.4% 99.3%
5-	36	1	35			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	33	0	8	100.0%	.	.
1-2	25	0	3	100.0%	.	.
2-3	22	0	0	100.0%	.	.
3-4	22	1	0	95.5%	4.4%	86.8% 104.2%
4-5	21	0	1	95.5%	4.4%	86.8% 104.2%
5-	20	0	20			

Table79-1
Clinical stage
Colon cancer, surgical cases

Clinical stage 0

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	299	4	25	98.6%	0.7%	97.3%
1-2	270	5	14	96.7%	1.0%	94.7%
2-3	251	5	15	94.7%	1.3%	92.1%
3-4	231	4	21	93.0%	1.5%	90.0%
4-5	206	3	29	91.6%	1.7%	88.2%
5-	174	4	170			94.9%

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	184	3	16	98.3%	0.9%	96.5%
1-2	165	3	8	96.5%	1.4%	93.8%
2-3	154	5	9	93.2%	1.9%	89.5%
3-4	140	3	9	91.2%	2.2%	86.9%
4-5	128	3	18	88.9%	2.5%	84.1%
5-	107	3	104			93.7%

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	115	1	9	99.1%	0.9%	97.4%
1-2	105	2	6	97.2%	1.6%	94.1%
2-3	97	0	6	97.2%	1.6%	94.1%
3-4	91	1	12	96.0%	1.9%	92.3%
4-5	78	0	11	96.0%	1.9%	92.3%
5-	67	1	66			99.7%

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

Table 79-2

Clinical stage I

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1,367	19	81	98.6%	0.3%	97.9% 99.2%
1-2	1,267	17	54	97.2%	0.4%	96.3% 98.1%
2-3	1,196	9	50	96.5%	0.5%	95.5% 97.5%
3-4	1,137	27	55	94.1%	0.7%	92.8% 95.4%
4-5	1,055	32	93	91.1%	0.8%	89.6% 92.7%
5-	930	44	886			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	798	14	46	98.2%	0.5%	97.3% 99.1%
1-2	738	10	30	96.8%	0.6%	95.6% 98.1%
2-3	698	4	32	96.3%	0.7%	94.9% 97.6%
3-4	662	20	26	93.3%	0.9%	91.5% 95.1%
4-5	616	24	61	89.5%	1.1%	87.2% 91.7%
5-	531	29	502			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	569	5	35	99.1%	0.4%	98.3% 99.9%
1-2	529	7	24	97.8%	0.6%	96.5% 99.0%
2-3	498	5	18	96.8%	0.8%	95.3% 98.2%
3-4	475	7	29	95.3%	0.9%	93.5% 97.1%
4-5	439	8	32	93.5%	1.1%	91.4% 95.6%
5-	399	15	384			

Table79-3
 Clinical stage
 Colon cancer, surgical cases

Clinical stage II

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1,644	35	93	97.8%	0.4%	97.1% 98.5%
1-2	1,516	57	69	94.0%	0.6%	92.9% 95.2%
2-3	1,390	37	53	91.5%	0.7%	90.1% 92.9%
3-4	1,300	48	73	88.0%	0.8%	86.4% 89.6%
4-5	1,179	40	106	84.9%	0.9%	83.1% 86.7%
5-	1,033	74	959			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	923	25	54	97.2%	0.5%	96.2% 98.3%
1-2	844	34	40	93.2%	0.8%	91.6% 94.8%
2-3	770	22	25	90.5%	1.0%	88.6% 92.4%
3-4	723	33	43	86.2%	1.2%	83.9% 88.5%
4-5	647	25	53	82.8%	1.3%	80.2% 85.3%
5-	569	48	521			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	721	10	39	98.6%	0.4%	97.7% 99.4%
1-2	672	23	29	95.1%	0.8%	93.5% 96.7%
2-3	620	15	28	92.8%	1.0%	90.8% 94.7%
3-4	577	15	30	90.3%	1.1%	88.1% 92.5%
4-5	532	15	53	87.6%	1.3%	85.1% 90.1%
5-	464	26	438			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

Table 79-4

Clinical stage IIIa

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1,969	56	114	97.1%	0.4%	96.3% 97.8%
1-2	1,799	76	88	92.9%	0.6%	91.7% 94.0%
2-3	1,635	100	90	87.0%	0.8%	85.5% 88.5%
3-4	1,445	70	73	82.7%	0.9%	81.0% 84.4%
4-5	1,302	46	103	79.7%	1.0%	77.8% 81.5%
5-	1,153	98	1,055			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1,065	34	69	96.7%	0.5%	95.6% 97.8%
1-2	962	45	46	92.1%	0.8%	90.4% 93.7%
2-3	871	62	47	85.3%	1.1%	83.2% 87.5%
3-4	762	40	38	80.7%	1.3%	78.3% 83.2%
4-5	684	28	54	77.3%	1.4%	74.7% 79.9%
5-	602	64	538			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	904	22	45	97.5%	0.5%	96.5% 98.5%
1-2	837	31	42	93.8%	0.8%	92.2% 95.4%
2-3	764	38	43	89.0%	1.1%	86.9% 91.1%
3-4	683	30	35	85.0%	1.2%	82.6% 87.4%
4-5	618	18	49	82.4%	1.3%	79.8% 85.0%
5-	551	34	517			

Table79-5

Clinical stage

Colon cancer, surgical cases

Clinical stage IIIb

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	957	45	51	95.2%	0.7%	93.8% 96.5%
1-2	861	64	36	87.9%	1.1%	85.9% 90.0%
2-3	761	65	35	80.3%	1.3%	77.7% 82.8%
3-4	661	38	40	75.5%	1.4%	72.7% 78.3%
4-5	583	28	52	71.7%	1.5%	68.7% 74.7%
5-	503	43	460			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	487	22	24	95.4%	0.9%	93.5% 97.2%
1-2	441	32	17	88.3%	1.5%	85.4% 91.2%
2-3	392	33	18	80.7%	1.8%	77.1% 84.3%
3-4	341	19	17	76.1%	2.0%	72.2% 80.0%
4-5	305	19	26	71.1%	2.1%	67.0% 75.3%
5-	260	30	230			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	470	23	27	95.0%	1.0%	93.0% 96.9%
1-2	420	32	19	87.6%	1.5%	84.6% 90.6%
2-3	369	32	17	79.8%	1.9%	76.1% 83.5%
3-4	320	19	23	74.9%	2.1%	70.8% 78.9%
4-5	278	9	26	72.3%	2.1%	68.1% 76.5%
5-	243	13	230			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

Table79-6

Clinical stage IV

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1,609	528	143	65.7%	1.1%	63.4% 67.9%
1-2	938	336	63	41.3%	1.2%	38.9% 43.7%
2-3	539	138	43	30.3%	1.2%	28.0% 32.6%
3-4	358	61	26	24.9%	1.1%	22.7% 27.2%
4-5	271	38	33	21.2%	1.1%	19.1% 23.4%
5-	200	43	157			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	882	278	80	67.0%	1.5%	64.0% 70.0%
1-2	524	195	28	41.4%	1.7%	38.1% 44.7%
2-3	301	76	22	30.5%	1.6%	27.4% 33.7%
3-4	203	33	17	25.3%	1.5%	22.3% 28.4%
4-5	153	21	22	21.6%	1.5%	18.7% 24.5%
5-	110	25	85			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	727	250	63	64.1%	1.7%	60.7% 67.4%
1-2	414	141	35	41.3%	1.8%	37.7% 44.9%
2-3	238	62	21	30.0%	1.8%	26.6% 33.5%
3-4	155	28	9	24.4%	1.7%	21.1% 27.8%
4-5	118	17	11	20.7%	1.6%	17.5% 24.0%
5-	90	18	72			

Table80-1
Clinical stage
Rectal cancer, surgical cases

Clinical stage 0

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	130	0	12	100.0%	0.0%	100.0% 100.0%
1-2	118	1	12	99.1%	0.8%	97.5% 100.8%
2-3	105	1	6	98.1%	1.3%	95.7% 100.6%
3-4	98	3	6	95.0%	2.1%	90.9% 99.1%
4-5	89	1	6	93.9%	2.3%	89.4% 98.5%
5-	82	4	78			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	71	0	7	100.0%	0.0%	100.0% 100.0%
1-2	64	1	6	98.4%	1.5%	95.3% 101.4%
2-3	57	1	4	96.6%	2.3%	92.1% 101.1%
3-4	52	3	3	90.8%	3.8%	83.4% 98.3%
4-5	46	0	4	90.8%	3.8%	83.4% 98.3%
5-	42	2	40			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	59	0	5	100.0%	.	.
1-2	54	0	6	100.0%	.	.
2-3	48	0	2	100.0%	.	.
3-4	46	0	3	100.0%	.	.
4-5	43	1	2	97.6%	2.3%	93.1% 102.1%
5-	40	2	38			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

Table80-2

Clinical stage I

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1,050	9	48	99.1%	0.3%	98.6% 99.7%
1-2	993	18	32	97.3%	0.5%	96.3% 98.3%
2-3	943	18	32	95.4%	0.7%	94.1% 96.7%
3-4	893	24	62	92.8%	0.8%	91.1% 94.4%
4-5	807	19	84	90.4%	0.9%	88.6% 92.3%
5-	704	39	665			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	652	7	31	98.9%	0.4%	98.1% 99.7%
1-2	614	12	20	96.9%	0.7%	95.6% 98.3%
2-3	582	8	19	95.6%	0.8%	94.0% 97.2%
3-4	555	18	37	92.4%	1.1%	90.3% 94.5%
4-5	500	13	51	89.8%	1.2%	87.4% 92.3%
5-	436	28	408			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	398	2	17	99.5%	0.4%	98.8% 100.2%
1-2	379	6	12	97.9%	0.7%	96.5% 99.3%
2-3	361	10	13	95.1%	1.1%	93.0% 97.3%
3-4	338	6	25	93.4%	1.3%	90.9% 95.9%
4-5	307	6	33	91.4%	1.5%	88.6% 94.3%
5-	268	11	257			

Table 80-3

Clinical stage

Rectal cancer, surgical cases

Clinical stage II

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1,131	21	34	98.1%	0.4%	97.3% 98.9%
1-2	1,076	34	32	95.0%	0.7%	93.7% 96.2%
2-3	1,010	37	44	91.4%	0.8%	89.8% 93.1%
3-4	929	46	47	86.8%	1.0%	84.7% 88.8%
4-5	836	36	69	82.9%	1.2%	80.6% 85.1%
5-	731	66	665			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	767	20	27	97.3%	0.6%	96.2% 98.5%
1-2	720	23	21	94.2%	0.8%	92.5% 95.8%
2-3	676	24	29	90.8%	1.1%	88.7% 92.8%
3-4	623	38	26	85.1%	1.3%	82.5% 87.7%
4-5	559	27	41	80.9%	1.5%	78.0% 83.7%
5-	491	48	443			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	364	1	7	99.7%	0.3%	99.2% 100.3%
1-2	356	11	11	96.6%	1.0%	94.7% 98.5%
2-3	334	13	15	92.7%	1.4%	90.1% 95.4%
3-4	306	8	21	90.2%	1.6%	87.1% 93.3%
4-5	277	9	28	87.1%	1.8%	83.6% 90.7%
5-	240	18	222			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

Table80-4

Clinical stage IIIa

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1,423	48	76	96.5%	0.5%	95.6% 97.5%
1-2	1,299	93	49	89.5%	0.8%	87.9% 91.1%
2-3	1,157	83	44	82.9%	1.0%	81.0% 84.9%
3-4	1,030	64	60	77.6%	1.1%	75.4% 79.9%
4-5	906	57	86	72.5%	1.2%	70.1% 74.9%
5-	763	74	689			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	939	34	51	96.3%	0.6%	95.1% 97.5%
1-2	854	62	28	89.2%	1.0%	87.2% 91.2%
2-3	764	61	30	81.9%	1.3%	79.4% 84.4%
3-4	673	43	37	76.5%	1.4%	73.7% 79.3%
4-5	593	42	50	70.9%	1.5%	67.8% 73.9%
5-	501	56	445			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	484	14	25	97.0%	0.8%	95.5% 98.5%
1-2	445	31	21	90.1%	1.4%	87.4% 92.8%
2-3	393	22	14	85.0%	1.7%	81.7% 88.2%
3-4	357	21	23	79.8%	1.9%	76.1% 83.5%
4-5	313	15	36	75.7%	2.0%	71.8% 79.7%
5-	262	18	244			

Table80-5
Clinical stage
Rectal cancer, surgical cases

Clinical stage IIIb

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	543	33	21	93.8%	1.0%	91.8%
1-2	489	59	14	82.3%	1.6%	79.1%
2-3	416	43	18	73.6%	1.9%	69.9%
3-4	355	32	17	66.8%	2.1%	62.8%
4-5	306	20	18	62.3%	2.1%	58.1%
5-	268	25	243			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	343	22	15	93.4%	1.3%	90.9%
1-2	306	38	11	81.6%	2.1%	77.5%
2-3	257	33	5	71.0%	2.5%	66.1%
3-4	219	22	9	63.8%	2.7%	58.5%
4-5	188	14	13	58.8%	2.7%	53.5%
5-	161	15	146			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	200	11	6	94.4%	1.6%	91.3%
1-2	183	21	3	83.5%	2.6%	78.3%
2-3	159	10	13	78.0%	2.9%	72.3%
3-4	136	10	8	72.1%	3.2%	65.8%
4-5	118	6	5	68.4%	3.4%	61.7%
5-	107	10	97			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

Table80-6

Clinical stage IV

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	868	242	69	71.0%	1.5%	68.0% 73.9%
1-2	557	207	39	43.6%	1.7%	40.3% 47.0%
2-3	311	105	22	28.4%	1.6%	25.2% 31.5%
3-4	184	48	16	20.6%	1.5%	17.8% 23.5%
4-5	120	14	16	18.0%	1.4%	15.3% 20.8%
5-	90	20	70			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	585	157	42	72.2%	1.8%	68.6% 75.7%
1-2	386	142	31	44.5%	2.1%	40.5% 48.5%
2-3	213	77	18	27.7%	1.9%	23.9% 31.5%
3-4	118	31	11	20.1%	1.8%	16.6% 23.5%
4-5	76	11	10	17.0%	1.7%	13.6% 20.3%
5-	55	13	42			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	283	85	27	68.5%	2.7%	63.2% 73.7%
1-2	171	65	8	41.8%	3.0%	36.0% 47.7%
2-3	98	28	4	29.6%	2.8%	24.1% 35.2%
3-4	66	17	5	21.7%	2.6%	16.6% 26.8%
4-5	44	3	6	20.1%	2.6%	15.1% 25.1%
5-	35	7	28			

Table81-1
Histological stage
Colon cancer, surgical cases

Histological stage 0

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	480	6	47	98.7%	0.5%	97.7% 99.7%
1-2	427	5	26	97.5%	0.7%	96.1% 98.9%
2-3	396	4	28	96.5%	0.9%	94.8% 98.2%
3-4	364	5	32	95.1%	1.0%	93.1% 97.1%
4-5	327	4	50	93.8%	1.2%	91.5% 96.1%
5-	273	7	266			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	283	5	30	98.1%	0.8%	96.6% 99.7%
1-2	248	3	17	96.9%	1.0%	94.9% 98.9%
2-3	228	4	17	95.1%	1.3%	92.6% 97.7%
3-4	207	4	17	93.2%	1.6%	90.1% 96.3%
4-5	186	2	28	92.1%	1.7%	88.8% 95.5%
5-	156	6	150			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	197	1	17	99.5%	0.5%	98.5% 100.5%
1-2	179	2	9	98.3%	0.9%	96.5% 100.1%
2-3	168	0	11	98.3%	0.9%	96.5% 100.1%
3-4	157	1	15	97.7%	1.1%	95.5% 99.9%
4-5	141	2	22	96.2%	1.5%	93.3% 99.0%
5-	117	1	116			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

Table81-2

Histological stage I

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1,569	22	96	98.6%	0.3%	98.0% 99.1%
1-2	1,451	17	62	97.4%	0.4%	96.6% 98.2%
2-3	1,372	19	60	96.0%	0.5%	95.0% 97.0%
3-4	1,293	25	81	94.1%	0.6%	92.9% 95.3%
4-5	1,187	30	119	91.6%	0.7%	90.1% 93.0%
5-	1,038	44	994			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	920	17	53	98.1%	0.4%	97.2% 99.0%
1-2	850	10	32	96.9%	0.6%	95.8% 98.0%
2-3	808	11	36	95.6%	0.7%	94.2% 96.9%
3-4	761	18	50	93.2%	0.9%	91.6% 94.9%
4-5	693	23	79	90.0%	1.0%	87.9% 92.0%
5-	591	32	559			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	649	5	43	99.2%	0.3%	98.5% 99.9%
1-2	601	7	30	98.0%	0.6%	96.9% 99.1%
2-3	564	8	24	96.6%	0.7%	95.2% 98.0%
3-4	532	7	31	95.3%	0.9%	93.6% 97.0%
4-5	494	7	40	93.9%	1.0%	91.9% 95.8%
5-	447	12	435			

Table81-3
Histological stage
Colon cancer, surgical cases

Histological stage II

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	2,687	54	181	97.9%	0.3%	97.4% 98.5%
1-2	2,452	67	139	95.2%	0.4%	94.4% 96.0%
2-3	2,246	68	117	92.2%	0.5%	91.2% 93.2%
3-4	2,061	60	126	89.4%	0.6%	88.2% 90.6%
4-5	1,875	67	182	86.1%	0.7%	84.7% 87.5%
5-	1,626	97	1,529			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1,461	38	103	97.3%	0.4%	96.5% 98.1%
1-2	1,320	40	72	94.3%	0.6%	93.1% 95.5%
2-3	1,208	45	66	90.7%	0.8%	89.1% 92.2%
3-4	1,097	37	67	87.5%	0.9%	85.7% 89.3%
4-5	993	41	94	83.7%	1.0%	81.7% 85.7%
5-	858	56	802			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1,226	16	78	98.7%	0.3%	98.0% 99.3%
1-2	1,132	27	67	96.2%	0.5%	95.2% 97.3%
2-3	1,038	23	51	94.0%	0.7%	92.7% 95.4%
3-4	964	23	59	91.7%	0.8%	90.1% 93.3%
4-5	882	26	88	88.9%	0.9%	87.0% 90.7%
5-	768	41	727			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error: 95% CI=95 percent confidence interval

Table 81-4

Histological stage IIIa

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1,729	53	95	96.8%	0.4%	96.0% 97.7%
1-2	1,581	79	66	91.9%	0.7%	90.6% 93.2%
2-3	1,436	85	82	86.3%	0.8%	84.7% 88.0%
3-4	1,269	58	88	82.2%	0.9%	80.4% 84.1%
4-5	1,123	42	89	79.0%	1.0%	77.0% 81.0%
5-	992	97	895			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	930	30	51	96.7%	0.6%	95.5% 97.8%
1-2	849	44	37	91.6%	0.9%	89.8% 93.4%
2-3	768	47	39	85.8%	1.2%	83.5% 88.1%
3-4	682	34	46	81.4%	1.3%	78.8% 84.0%
4-5	602	24	50	78.0%	1.4%	75.2% 80.8%
5-	528	68	460			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	799	23	44	97.0%	0.6%	95.9% 98.2%
1-2	732	35	29	92.3%	0.9%	90.4% 94.2%
2-3	668	38	43	86.9%	1.2%	84.5% 89.3%
3-4	587	24	42	83.2%	1.4%	80.5% 85.9%
4-5	521	18	39	80.2%	1.5%	77.3% 83.1%
5-	464	29	435			

Table81-5
Histological stage
Colon cancer, surgical cases

Histological stage IIIb

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	874	52	46	93.9%	0.8%	92.3% 95.5%
1-2	776	79	30	84.1%	1.2%	81.7% 86.6%
2-3	667	68	28	75.4%	1.5%	72.5% 78.3%
3-4	571	50	28	68.6%	1.6%	65.4% 71.8%
4-5	493	25	37	65.0%	1.7%	61.7% 68.3%
5-	431	51	380			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	468	24	23	94.7%	1.0%	92.7% 96.7%
1-2	421	44	15	84.7%	1.7%	81.4% 87.9%
2-3	362	33	16	76.8%	2.0%	72.9% 80.7%
3-4	313	31	11	69.0%	2.2%	64.7% 73.4%
4-5	271	21	15	63.5%	2.3%	59.0% 68.1%
5-	235	36	199			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	406	28	23	92.9%	1.3%	90.4% 95.4%
1-2	355	35	15	83.5%	1.9%	79.9% 87.2%
2-3	305	35	12	73.8%	2.2%	69.4% 78.1%
3-4	258	19	17	68.1%	2.4%	63.5% 72.8%
4-5	222	4	22	66.9%	2.4%	62.1% 71.6%
5-	196	15	181			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

Table 81-6

Histological stage IV

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1,627	532	147	65.8%	1.1%	63.5% 68.0%
1-2	948	339	63	41.4%	1.2%	39.0% 43.8%
2-3	546	138	44	30.5%	1.2%	28.2% 32.8%
3-4	364	66	25	24.8%	1.1%	22.6% 27.0%
4-5	273	37	34	21.2%	1.1%	19.1% 23.4%
5-	202	43	159			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	889	280	83	67.0%	1.5%	64.0% 69.9%
1-2	526	194	28	41.6%	1.7%	38.3% 44.9%
2-3	304	75	23	30.9%	1.6%	27.8% 34.1%
3-4	206	36	16	25.3%	1.5%	22.3% 28.3%
4-5	154	20	22	21.8%	1.5%	18.8% 24.7%
5-	112	25	87			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	738	252	64	64.3%	1.7%	61.0% 67.6%
1-2	422	145	35	41.3%	1.8%	37.7% 44.8%
2-3	242	63	21	30.0%	1.8%	26.6% 33.5%
3-4	158	30	9	24.2%	1.7%	20.9% 27.5%
4-5	119	17	12	20.5%	1.6%	17.3% 23.7%
5-	90	18	72			

Table82-1
Histological stage
Rectal cancer, surgical cases

Histological stage 0

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	259	1	29	99.6%	0.4%	98.8% 100.3%
1-2	229	2	19	98.7%	0.7%	97.3% 100.1%
2-3	208	1	15	98.2%	0.9%	96.5% 99.9%
3-4	192	4	16	96.1%	1.3%	93.5% 98.6%
4-5	172	0	19	96.1%	1.3%	93.5% 98.6%
5-	153	5	148			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	152	1	16	99.3%	0.7%	98.0% 100.6%
1-2	135	2	10	97.8%	1.2%	95.4% 100.2%
2-3	123	1	11	96.9%	1.4%	94.1% 99.8%
3-4	111	3	7	94.2%	2.0%	90.2% 98.3%
4-5	101	0	10	94.2%	2.0%	90.2% 98.3%
5-	91	3	88			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	107	0	13	100.0%	0.0%	100.0% 100.0%
1-2	94	0	9	100.0%	0.0%	100.0% 100.0%
2-3	85	0	4	100.0%	0.0%	100.0% 100.0%
3-4	81	1	9	98.7%	1.2%	96.3% 101.1%
4-5	71	0	9	98.7%	1.2%	96.3% 101.1%
5-	62	2	60			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

Table82-2

Histological stage I

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1,319	14	57	98.9%	0.3%	98.4%
1-2	1,248	26	45	96.8%	0.5%	95.9%
2-3	1,177	20	48	95.1%	0.6%	94.0%
3-4	1,109	19	88	93.4%	0.7%	92.1%
4-5	1,002	29	99	90.6%	0.8%	89.0%
5-	874	48	826			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	827	12	39	98.5%	0.4%	97.7%
1-2	776	18	24	96.2%	0.7%	94.9%
2-3	734	10	29	94.9%	0.8%	93.3%
3-4	695	15	53	92.7%	0.9%	90.9%
4-5	627	20	60	89.6%	1.1%	87.5%
5-	547	32	515			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	492	2	18	99.6%	0.3%	99.0%
1-2	472	8	21	97.9%	0.7%	96.6%
2-3	443	10	19	95.6%	0.9%	93.8%
3-4	414	4	35	94.6%	1.0%	92.6%
4-5	375	9	39	92.2%	1.3%	89.8%
5-	327	16	311			

Table82-3
 Histological stage
 Rectal cancer, surgical cases

Histological stage II

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1,486	32	74	97.8%	0.4%	97.1% 98.5%
1-2	1,380	39	45	95.0%	0.6%	93.9% 96.1%
2-3	1,296	44	61	91.7%	0.7%	90.3% 93.1%
3-4	1,191	54	73	87.4%	0.9%	85.7% 89.1%
4-5	1,064	41	113	83.8%	1.0%	81.9% 85.8%
5-	910	83	827			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1,041	27	53	97.3%	0.5%	96.4% 98.3%
1-2	961	30	29	94.3%	0.7%	92.8% 95.7%
2-3	902	31	40	90.9%	0.9%	89.2% 92.7%
3-4	831	40	50	86.4%	1.1%	84.3% 88.6%
4-5	741	31	72	82.6%	1.2%	80.2% 85.0%
5-	638	65	573			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	445	5	21	98.8%	0.5%	97.9% 99.8%
1-2	419	9	16	96.7%	0.9%	95.0% 98.4%
2-3	394	13	21	93.4%	1.2%	91.1% 95.8%
3-4	360	14	23	89.7%	1.5%	86.7% 92.6%
4-5	323	10	41	86.7%	1.7%	83.4% 90.0%
5-	272	18	254			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

Table82-4

Histological stage IIIa

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1,321	48	60	96.3%	0.5%	95.3% 97.3%
1-2	1,213	84	47	89.5%	0.8%	87.8% 91.1%
2-3	1,082	82	46	82.6%	1.1%	80.5% 84.6%
3-4	954	68	57	76.5%	1.2%	74.1% 78.8%
4-5	829	39	81	72.7%	1.3%	70.2% 75.2%
5-	709	71	638			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	831	35	35	95.7%	0.7%	94.3% 97.1%
1-2	761	52	28	89.0%	1.1%	86.9% 91.2%
2-3	681	53	28	82.0%	1.4%	79.3% 84.6%
3-4	600	49	31	75.1%	1.5%	72.1% 78.1%
4-5	520	23	47	71.6%	1.6%	68.4% 74.8%
5-	450	48	402			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	490	13	25	97.3%	0.7%	95.9% 98.7%
1-2	452	32	19	90.2%	1.4%	87.6% 92.9%
2-3	401	29	18	83.6%	1.7%	80.2% 86.9%
3-4	354	19	26	78.9%	1.9%	75.2% 82.6%
4-5	309	16	34	74.6%	2.1%	70.6% 78.6%
5-	259	23	236			

Table82-5

Histological stage

Rectal cancer, surgical cases

Histological stage IIIb

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	666	42	29	93.6%	0.9%	91.7% 95.4%
1-2	595	83	21	80.3%	1.6%	77.2% 83.3%
2-3	491	61	25	70.0%	1.8%	66.5% 73.6%
3-4	405	43	25	62.4%	1.9%	58.6% 66.1%
4-5	337	32	21	56.3%	2.0%	52.3% 60.2%
5-	284	34	250			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	666	42	29	93.6%	0.9%	91.7% 95.4%
1-2	595	83	21	80.3%	1.6%	77.2% 83.3%
2-3	491	61	25	70.0%	1.8%	66.5% 73.6%
3-4	405	43	25	62.4%	1.9%	58.6% 66.1%
4-5	337	32	21	56.3%	2.0%	52.3% 60.2%
5-	284	34	250			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	259	11	8	95.7%	1.3%	93.2% 98.1%
1-2	240	33	7	82.3%	2.4%	77.7% 87.0%
2-3	200	15	13	76.0%	2.7%	70.7% 81.2%
3-4	172	14	12	69.5%	2.9%	63.8% 75.3%
4-5	146	7	12	66.1%	3.0%	60.1% 72.0%
5-	127	10	117			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

Table 82-6

Histological stage IV

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	892	246	71	71.3%	1.5%	68.4% 74.2%
1-2	575	214	38	43.8%	1.7%	40.6% 47.1%
2-3	323	109	22	28.5%	1.6%	25.4% 31.6%
3-4	192	50	16	20.8%	1.4%	17.9% 23.6%
4-5	126	14	16	18.3%	1.4%	15.6% 21.1%
5-	96	20	76			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	598	156	44	72.9%	1.8%	69.4% 76.4%
1-2	398	147	31	44.9%	2.0%	40.9% 48.9%
2-3	220	80	18	27.9%	1.9%	24.1% 31.6%
3-4	122	33	11	20.0%	1.8%	16.5% 23.4%
4-5	78	11	9	17.0%	1.7%	13.7% 20.3%
5-	58	13	45			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	294	90	27	67.9%	2.6%	62.8% 73.1%
1-2	177	67	7	41.7%	2.9%	35.9% 47.4%
2-3	103	29	4	29.7%	2.8%	24.3% 35.2%
3-4	70	17	5	22.2%	2.6%	17.2% 27.3%
4-5	48	3	7	20.7%	2.5%	15.8% 25.7%
5-	38	7	31			

Table83-1

Surgical curability, histologically confirmed
Colon cancer, surgical cases

Curability A (cur A)

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	6,635	144	409	97.8%	0.2%	97.4% 98.1%
1-2	6,082	211	293	94.3%	0.3%	93.7% 94.8%
2-3	5,578	214	289	90.6%	0.4%	89.9% 91.3%
3-4	5,075	156	338	87.7%	0.4%	86.9% 88.5%
4-5	4,581	143	456	84.8%	0.5%	83.9% 85.7%
5-	3,982	259	3,723			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	3,676	93	225	97.4%	0.3%	96.9% 97.9%
1-2	3,358	118	153	93.9%	0.4%	93.1% 94.7%
2-3	3,087	128	160	89.9%	0.5%	88.9% 90.9%
3-4	2,799	101	184	86.5%	0.6%	85.4% 87.7%
4-5	2,514	92	256	83.2%	0.6%	81.9% 84.5%
5-	2,166	180	1,986			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	2,959	51	184	98.2%	0.2%	97.8% 98.7%
1-2	2,724	93	140	94.8%	0.4%	94.0% 95.6%
2-3	2,491	86	129	91.4%	0.5%	90.4% 92.5%
3-4	2,276	55	154	89.1%	0.6%	88.0% 90.3%
4-5	2,067	51	200	86.8%	0.7%	85.5% 88.1%
5-	1,816	79	1,737			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

Table83-2

Curability B (cur B)

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	605	59	39	89.9%	1.2%	87.6% 92.3%
1-2	507	90	30	73.5%	1.8%	69.9% 77.0%
2-3	387	47	34	64.1%	2.0%	60.2% 68.0%
3-4	306	42	19	55.1%	2.1%	50.9% 59.2%
4-5	245	16	23	51.3%	2.2%	47.1% 55.5%
5-	206	35	171			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	328	35	22	89.0%	1.7%	85.6% 92.3%
1-2	271	49	13	72.5%	2.5%	67.6% 77.4%
2-3	209	24	17	63.8%	2.7%	58.5% 69.1%
3-4	168	22	12	55.1%	2.9%	49.5% 60.8%
4-5	134	10	15	50.8%	2.9%	45.1% 56.5%
5-	109	18	91			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	277	24	17	91.1%	1.7%	87.8% 94.4%
1-2	236	41	17	74.7%	2.6%	69.5% 79.8%
2-3	178	23	17	64.5%	2.9%	58.8% 70.3%
3-4	138	20	7	54.9%	3.2%	48.7% 61.1%
4-5	111	6	8	51.8%	3.2%	45.6% 58.1%
5-	97	17	80			

Table83-3

Surgical curability, histologically confirmed
Colon cancer, surgical cases

Curability C (cur C)

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1,112	430	116	59.2%	1.4%	56.4% 62.0%
1-2	566	250	52	31.8%	1.4%	29.0% 34.6%
2-3	264	94	19	20.1%	1.3%	17.5% 22.6%
3-4	151	38	11	14.8%	1.2%	12.5% 17.1%
4-5	102	23	13	11.2%	1.1%	9.1% 13.4%
5-	66	19	47			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	605	224	64	60.9%	1.9%	57.2% 64.6%
1-2	317	146	26	31.7%	1.9%	27.9% 35.4%
2-3	145	54	9	19.5%	1.7%	16.1% 22.9%
3-4	82	20	6	14.6%	1.6%	11.5% 17.6%
4-5	56	15	9	10.3%	1.4%	7.6% 13.0%
5-	32	10	22			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	507	206	52	57.2%	2.1%	53.1% 61.3%
1-2	249	104	26	32.0%	2.1%	27.9% 36.1%
2-3	119	40	10	20.8%	1.9%	17.0% 24.5%
3-4	69	18	5	15.1%	1.8%	11.7% 18.6%
4-5	46	8	4	12.4%	1.7%	9.1% 15.7%
5-	34	9	25			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

Table84-1
Surgical curability, histologically confirmed
Rectal cancer, surgical cases

Curability A (cur A)

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	4,526	97	220	97.8%	0.2%	97.4% 98.2%
1-2	4,209	170	155	93.8%	0.4%	93.1% 94.5%
2-3	3,884	169	177	89.6%	0.5%	88.7% 90.5%
3-4	3,538	163	253	85.3%	0.5%	84.3% 86.4%
4-5	3,122	119	314	81.9%	0.6%	80.7% 83.1%
5-	2,689	213	2476			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	2,909	75	147	97.4%	0.3%	96.8% 97.9%
1-2	2,687	110	89	93.3%	0.5%	92.4% 94.2%
2-3	2,488	115	111	88.9%	0.6%	87.7% 90.1%
3-4	2,262	119	148	84.1%	0.7%	82.7% 85.4%
4-5	1,995	83	188	80.4%	0.8%	78.9% 81.9%
5-	1,724	153	1571			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1,617	22	73	98.6%	0.3%	98.0% 99.2%
1-2	1,522	60	66	94.6%	0.6%	93.5% 95.7%
2-3	1,396	54	66	90.9%	0.7%	89.5% 92.3%
3-4	1,276	44	105	87.6%	0.8%	86.0% 89.3%
4-5	1,127	36	126	84.7%	0.9%	82.8% 86.5%
5-	965	60	905			

Table84-2
Surgical curability, histologically confirmed
Rectal cancer, surgical cases

Curability B (cur B)

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	441	47	25	89.0%	1.5%	86.2% 91.9%
1-2	369	72	21	71.2%	2.2%	66.9% 75.4%
2-3	276	42	19	59.9%	2.4%	55.3% 64.6%
3-4	215	23	8	53.4%	2.5%	48.6% 58.2%
4-5	184	14	13	49.2%	2.5%	44.3% 54.1%
5-	157	31	126			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	283	29	17	89.4%	1.8%	85.9% 93.0%
1-2	237	45	17	71.8%	2.7%	66.6% 77.1%
2-3	175	28	11	60.0%	3.0%	54.1% 65.8%
3-4	136	18	7	51.8%	3.1%	45.7% 57.9%
4-5	111	10	6	47.0%	3.2%	40.8% 53.2%
5-	95	19	76			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	158	18	8	88.3%	2.5%	83.4% 93.2%
1-2	132	27	4	70.0%	3.7%	62.8% 77.2%
2-3	101	14	8	59.9%	4.0%	52.1% 67.6%
3-4	79	5	1	56.1%	4.0%	48.1% 64.0%
4-5	73	4	7	52.8%	4.1%	44.8% 60.9%
5-	62	12	50			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

Table84-3

Curability C (cur C)

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	639	183	42	70.4%	1.8%	66.9% 73.8%
1-2	414	176	33	39.2%	1.9%	35.4% 43.0%
2-3	205	84	13	22.6%	1.7%	19.2% 26.0%
3-4	108	39	10	14.1%	1.5%	11.2% 17.0%
4-5	59	8	7	12.0%	1.4%	9.3% 14.8%
5-	44	7	37			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	428	116	25	72.1%	2.1%	67.9% 76.2%
1-2	287	126	26	38.9%	2.3%	34.4% 43.5%
2-3	135	59	11	21.2%	2.0%	17.2% 25.2%
3-4	65	22	6	13.7%	1.8%	10.2% 17.2%
4-5	37	7	4	10.9%	1.7%	7.7% 14.2%
5-	26	5	21			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	211	67	17	66.9%	3.1%	60.8% 73.1%
1-2	127	50	7	39.8%	3.4%	33.1% 46.5%
2-3	70	25	2	25.4%	3.1%	19.2% 31.5%
3-4	43	17	4	14.9%	2.6%	9.8% 20.0%
4-5	22	1	3	14.1%	2.6%	9.1% 19.1%
5-	18	2	16			

Table 85-1

Macroscopic lymph node status of N0 and depth of tumor invasion
Colon cancer, surgical cases

N0 & P0,H0,M(-)

M	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	321	4	30	98.7%	0.6%	97.5% 99.9%
	1-2	287	5	16	96.9%	1.0%	95.0% 98.8%
	2-3	266	5	15	95.0%	1.3%	92.6% 97.5%
	3-4	246	4	22	93.4%	1.4%	90.6% 96.3%
	4-5	220	3	31	92.1%	1.6%	88.9% 95.2%
	5-	186	4	182			

SM	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	762	10	47	98.6%	0.4%	97.8% 99.5%
	1-2	705	8	36	97.5%	0.6%	96.4% 98.6%
	2-3	661	5	25	96.7%	0.7%	95.5% 98.0%
	3-4	631	12	30	94.9%	0.8%	93.2% 96.5%
	4-5	589	17	52	92.0%	1.0%	90.0% 94.0%
	5-	520	23	497			

MP	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	664	10	39	98.4%	0.5%	97.5% 99.4%
	1-2	615	9	18	97.0%	0.7%	95.7% 98.3%
	2-3	588	8	28	95.6%	0.8%	94.1% 97.2%
	3-4	552	16	31	92.8%	1.0%	90.8% 94.8%
	4-5	505	15	42	89.9%	1.2%	87.5% 92.3%
	5-	448	21	427			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

SS/A1

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1,171	18	75	98.4%	0.4%	97.7% 99.1%
1-2	1,078	41	52	94.6%	0.7%	93.3% 95.9%
2-3	985	22	41	92.4%	0.8%	90.9% 94.0%
3-4	922	29	54	89.4%	0.9%	87.6% 91.2%
4-5	839	29	75	86.2%	1.1%	84.1% 88.3%
5-	735	47	688			

SE/A2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	553	18	28	96.7%	0.8%	95.2% 98.1%
1-2	507	20	23	92.8%	1.1%	90.6% 94.9%
2-3	464	18	15	89.1%	1.3%	86.5% 91.7%
3-4	431	22	24	84.4%	1.6%	81.3% 87.5%
4-5	385	14	33	81.2%	1.7%	77.8% 84.6%
5-	338	30	308			

Si/Ai

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	143	9	7	93.5%	2.0%	89.6% 97.5%
1-2	127	9	12	86.6%	2.8%	81.0% 92.1%
2-3	106	4	4	83.3%	3.2%	77.1% 89.5%
3-4	98	3	7	80.6%	3.4%	74.0% 87.3%
4-5	88	5	4	75.9%	3.8%	68.6% 83.3%
5-	79	10	69			

Table85-2

Macroscopic lymph node status of N1 and depth of tumor invasion
Colon cancer, surgical cases

N1 & P0,H0,M(-)

M	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	4	0	1	.	.	.
	1-2	3	0	0	.	.	.
	2-3	3	0	0	.	.	.
	3-4	3	0	0	.	.	.
	4-5	3	0	0	.	.	.
	5-	3	0	3			

SM

SM	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	39	0	0	100.0%	0.0%	100.0% 100.0%
	1-2	39	1	1	97.4%	2.5%	92.4% 102.4%
	2-3	37	3	1	89.4%	4.9%	79.7% 99.1%
	3-4	33	4	2	78.2%	6.7%	65.2% 91.3%
	4-5	27	1	2	75.2%	7.0%	61.5% 88.9%
	5-	24	0	24			

MP

MP	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	140	2	10	98.5%	1.0%	96.6% 100.5%
	1-2	128	2	4	97.0%	1.5%	94.1% 99.8%
	2-3	122	3	5	94.5%	2.0%	90.7% 98.4%
	3-4	114	5	6	90.3%	2.6%	85.1% 95.4%
	4-5	103	1	10	89.3%	2.7%	84.0% 94.7%
	5-	92	2	90			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

SS/A1

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	843	19	46	97.7%	0.5%	96.7% 98.7%
1-2	778	25	36	94.5%	0.8%	92.9% 96.0%
2-3	717	33	45	90.0%	1.1%	87.9% 92.0%
3-4	639	28	36	85.9%	1.2%	83.5% 88.4%
4-5	575	15	49	83.6%	1.3%	81.0% 86.2%
5-	511	38	473			

SE/A2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	701	17	42	97.5%	0.6%	96.4% 98.6%
1-2	642	35	34	92.0%	1.0%	90.0% 94.1%
2-3	573	49	30	84.0%	1.4%	81.2% 86.8%
3-4	494	24	25	79.8%	1.6%	76.7% 82.9%
4-5	445	23	36	75.5%	1.7%	72.1% 78.8%
5-	386	35	351			

Si/Ai

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	184	10	17	94.3%	1.7%	91.0% 97.6%
1-2	157	8	8	89.4%	2.3%	84.9% 93.9%
2-3	141	16	8	78.9%	3.1%	72.8% 85.0%
3-4	117	7	4	74.1%	3.4%	67.5% 80.8%
4-5	106	3	7	72.0%	3.5%	65.1% 78.8%
5-	96	13	83			

Table85-3

Macroscopic lymph node status of N2 and depth of tumor invasion
Colon cancer, surgical cases

N2 & P0,H0,M(-)

M	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	1	0	0	.	.	.
	1-2	1	0	0	.	.	.
	2-3	1	0	0	.	.	.
	3-4	1	0	0	.	.	.
	4-5	1	0	0	.	.	.
	5-	1	0	1			

SM	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	12	1	0	91.7%	8.0%	76.0% 107.3%
	1-2	11	0	0	91.7%	8.0%	76.0% 107.3%
	2-3	11	0	0	91.7%	8.0%	76.0% 107.3%
	3-4	11	0	1	91.7%	8.0%	76.0% 107.3%
	4-5	10	0	1	91.7%	8.0%	76.0% 107.3%
	5-	9	0	9			

MP	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	28	0	0	100.0%	0.0%	100.0% 100.0%
	1-2	28	1	2	96.3%	3.5%	89.4% 103.2%
	2-3	25	1	1	92.4%	5.1%	82.5% 102.3%
	3-4	23	1	0	88.3%	6.2%	76.1% 100.6%
	4-5	22	1	4	83.9%	7.1%	70.0% 97.8%
	5-	17	0	17			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

SS/A1

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	291	13	21	95.4%	1.2%	93.0%
1-2	257	14	6	90.1%	1.8%	86.6%
2-3	237	17	13	83.5%	2.2%	79.1%
3-4	207	11	10	78.9%	2.5%	74.1%
4-5	186	8	14	75.4%	2.6%	70.2%
5-	164	18	146			

SE/A2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	378	16	17	95.7%	1.0%	93.6%
1-2	345	25	15	88.6%	1.6%	85.4%
2-3	305	23	14	81.7%	2.0%	77.8%
3-4	268	16	24	76.6%	2.2%	72.3%
4-5	228	8	17	73.8%	2.3%	69.3%
5-	203	21	182			

Si/Ai

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	154	9	7	94.0%	1.9%	90.3%
1-2	138	12	6	85.7%	2.8%	80.1%
2-3	120	7	6	80.5%	3.2%	74.2%
3-4	107	8	6	74.3%	3.6%	67.3%
4-5	93	6	12	69.2%	3.9%	61.7%
5-	75	6	69			

Table85-4

Macroscopic lymph node status of N3 and depth of tumor invasion
Colon cancer, surgical cases

N3 & P0,H0,M(-)

M

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	0					
1-2						
2-3						
3-4						
4-5						
5-						

SM

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	0					
1-2						
2-3						
3-4						
4-5						
5-						

MP

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	5	0	0	100.0%	.	.
1-2	5	0	0	100.0%	.	.
2-3	5	0	0	100.0%	.	.
3-4	5	0	0	100.0%	.	.
4-5	5	0	0	100.0%	.	.
5-	5	0	5			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

SS/A1

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	42	1	3	97.5%	2.4%	92.9%
1-2	38	5	3	84.2%	5.7%	73.0%
2-3	30	7	1	64.2%	7.8%	48.9%
3-4	22	1	2	61.1%	7.9%	45.6%
4-5	19	5	2	44.2%	8.3%	27.8%
5-	12	0	12			60.5%

SE/A2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	73	7	5	90.1%	3.4%	83.3%
1-2	61	6	7	80.7%	4.6%	71.7%
2-3	48	5	3	72.0%	5.4%	61.4%
3-4	40	2	3	68.3%	5.7%	57.1%
4-5	35	0	2	68.3%	5.7%	57.1%
5-	33	1	32			79.4%

Si/Ai

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	30	2	2	93.1%	4.5%	84.2%
1-2	26	3	0	82.4%	7.1%	68.5%
2-3	23	6	0	60.9%	9.2%	42.9%
3-4	17	2	1	53.5%	9.4%	35.2%
4-5	14	1	2	49.4%	9.4%	31.0%
5-	11	1	10			67.8%

Table85-5

Macroscopic lymph node status of N4 and depth of tumor invasion
Colon cancer, surgical cases

N4 & P0,H0,M(-)

M

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	0					
1-2						
2-3						
3-4						
4-5						
5-						

SM

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1	0	0	100.0%	.	.
1-2	1	0	0	100.0%	.	.
2-3	1	0	0	100.0%	.	.
3-4	1	0	0	100.0%	.	.
4-5	1	0	0	100.0%	.	.
5-	1	0	1			

MP

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1	1	0	0.0%		
1-2	0	0	0			
2-3	0	0	0			
3-4	0	0	0			
4-5	0	0	0			
5-	0	0	0			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

SS/A1

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	15	6	2	57.1%	12.0%	33.5% 80.8%
1-2	7	2	2	38.1%	12.1%	14.3% 61.9%
2-3	3	0	0	38.1%	12.1%	14.3% 61.9%
3-4	3	2	0	12.7%	11.1%	-9.1% 34.5%
4-5	1	0	0	12.7%	11.1%	-9.1% 34.5%
5-	1	0	1			

SE/A2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	39	10	2	73.7%	6.9%	60.1% 87.3%
1-2	27	12	0	40.9%	8.0%	25.2% 56.7%
2-3	15	5	0	27.3%	7.3%	13.0% 41.6%
3-4	10	3	1	18.7%	6.3%	6.3% 31.1%
4-5	6	1	0	15.6%	6.0%	3.8% 27.3%
5-	5	0	5			

Si/Ai

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	32	8	2	74.2%	7.6%	59.4% 89.0%
1-2	22	9	2	42.4%	8.7%	25.4% 59.4%
2-3	11	1	0	38.5%	8.7%	21.5% 55.6%
3-4	10	1	0	34.7%	8.6%	17.7% 51.6%
4-5	9	3	0	23.1%	7.9%	7.6% 38.7%
5-	6	0	6			

Table86-1

Macroscopic lymph node status of N0 and depth of tumor invasion
Rectal cancer, surgical cases

N0 & P0,H0,M(-)

M

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	140	0	16	100.0%	0.0%	100.0%
1-2	124	1	12	99.2%	0.8%	97.6%
2-3	111	1	7	98.2%	1.2%	95.9%
3-4	103	3	6	95.3%	2.0%	91.4%
4-5	94	1	6	94.2%	2.2%	89.9%
5-	87	4	83			

SM

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	426	2	25	99.5%	0.3%	98.9%
1-2	399	3	17	98.8%	0.5%	97.7%
2-3	379	5	16	97.4%	0.8%	95.9%
3-4	358	4	31	96.3%	0.9%	94.4%
4-5	323	4	37	95.0%	1.1%	92.8%
5-	282	13	269			

MP

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	669	9	31	98.6%	0.4%	97.8%
1-2	629	15	15	96.2%	0.7%	94.8%
2-3	599	13	19	94.1%	0.9%	92.3%
3-4	567	20	35	90.7%	1.1%	88.4%
4-5	512	19	51	87.2%	1.3%	84.5%
5-	442	27	415			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

SS/A1

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	785	12	25	98.4%	0.4%	97.6%
1-2	748	15	22	96.4%	0.7%	95.1%
2-3	711	19	33	93.8%	0.9%	92.1%
3-4	659	31	41	89.3%	1.1%	87.0%
4-5	587	28	51	84.8%	1.3%	82.2%
5-	508	40	468			

SE/A2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	409	15	15	96.3%	0.9%	94.4%
1-2	379	22	15	90.6%	1.4%	87.7%
2-3	342	19	15	85.4%	1.8%	82.0%
3-4	308	16	14	80.9%	2.0%	77.0%
4-5	278	9	21	78.2%	2.1%	74.0%
5-	248	27	221			

Si/Ai

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	95	8	4	91.4%	2.8%	85.8%
1-2	83	11	4	79.0%	4.2%	70.8%
2-3	68	9	6	68.0%	4.8%	58.6%
3-4	53	5	3	61.4%	5.1%	51.4%
4-5	45	4	6	55.6%	5.3%	45.1%
5-	35	8	27			

Table86-2

Macroscopic lymph node status of N1 and depth of tumor invasion
Rectal cancer, surgical cases

N1 & P0,H0,M(-)

M

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1	0	0	100.0%	.	.
1-2	1	0	0	100.0%	.	.
2-3	1	0	0	100.0%	.	.
3-4	1	0	0	100.0%	.	.
4-5	1	0	0	100.0%	.	.
5-	1	0	1			

SM

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	19	0	2	100.0%	0.0%	100.0%
1-2	17	1	0	94.1%	5.7%	82.9%
2-3	16	1	0	88.2%	7.8%	72.9%
3-4	15	0	0	88.2%	7.8%	72.9%
4-5	15	0	4	88.2%	7.8%	72.9%
5-	11	0	11			

MP

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	119	3	4	97.4%	1.4%	94.6%
1-2	112	2	5	95.7%	1.9%	92.0%
2-3	105	4	4	91.9%	2.5%	87.0%
3-4	97	1	5	91.0%	2.7%	85.7%
4-5	91	5	8	85.7%	3.3%	79.2%
5-	78	4	74			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

SS/A1

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	543	15	25	97.2%	0.7%	95.8% 98.6%
1-2	503	21	18	93.0%	1.1%	90.9% 95.2%
2-3	464	36	17	85.7%	1.5%	82.7% 88.7%
3-4	411	20	26	81.4%	1.7%	78.0% 84.7%
4-5	365	18	34	77.2%	1.9%	73.5% 80.8%
5-	313	32	281			

SE/A2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	579	21	36	96.3%	0.8%	94.7% 97.8%
1-2	522	49	22	87.0%	1.4%	84.3% 89.8%
2-3	451	28	20	81.5%	1.7%	78.3% 84.7%
3-4	403	40	19	73.2%	1.9%	69.5% 77.0%
4-5	344	26	32	67.4%	2.0%	63.4% 71.4%
5-	286	25	261			

Si/Ai

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	118	5	7	95.6%	1.9%	92.0% 99.3%
1-2	106	18	7	78.8%	3.8%	71.4% 86.3%
2-3	81	10	2	69.0%	4.4%	60.4% 77.6%
3-4	69	3	7	65.8%	4.5%	57.0% 74.7%
4-5	59	4	2	61.3%	4.7%	52.0% 70.5%
5-	53	7	46			

Table86-3

Macroscopic lymph node status of N2 and depth of tumor invasion
Rectal cancer, surgical cases

N2 & P0,H0,M(-)

M

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	0					
1-2						
2-3						
3-4						
4-5						
5-						

SM

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	7	1	0	85.7%	13.2%	59.8% 111.6%
1-2	6	2	0	57.1%	18.7%	20.5% 93.8%
2-3	4	0	0	57.1%	18.7%	20.5% 93.8%
3-4	4	0	0	57.1%	18.7%	20.5% 93.8%
4-5	4	0	0	57.1%	18.7%	20.5% 93.8%
5-	4	0	4			

MP

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	18	1	0	94.4%	5.4%	83.9% 105.0%
1-2	17	0	2	94.4%	5.4%	83.9% 105.0%
2-3	15	1	0	88.1%	7.9%	72.7% 103.6%
3-4	14	2	0	75.6%	10.7%	54.6% 96.5%
4-5	12	0	1	75.6%	10.7%	54.6% 96.5%
5-	11	0	11			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

SS/A1

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	138	4	6	97.0%	1.4%	94.2% 99.8%
1-2	128	12	4	87.8%	2.8%	82.3% 93.3%
2-3	112	9	5	80.6%	3.4%	73.9% 87.3%
3-4	98	11	4	71.3%	4.0%	63.6% 79.1%
4-5	83	4	5	67.8%	4.1%	59.7% 75.9%
5-	74	6	68			

SE/A2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	215	10	9	95.2%	1.4%	92.4% 98.1%
1-2	196	27	6	81.9%	2.6%	76.7% 87.1%
2-3	163	21	7	71.1%	3.1%	65.0% 77.3%
3-4	135	12	7	64.6%	3.3%	58.1% 71.2%
4-5	116	9	7	59.5%	3.5%	52.7% 66.3%
5-	100	10	90			

Si/Ai

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	76	9	2	88.0%	3.7%	80.7% 95.3%
1-2	65	8	1	77.1%	4.8%	67.6% 86.6%
2-3	56	6	3	68.6%	5.3%	58.1% 79.1%
3-4	47	2	2	65.6%	5.5%	54.8% 76.4%
4-5	43	2	3	62.5%	5.6%	51.4% 73.5%
5-	38	1	37			

Table86-4

Macroscopic lymph node status of N3 and depth of tumor invasion
Rectal cancer, surgical cases

N3 & P0.H0.M(-)

M	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	0					
	1-2						
	2-3						
	3-4						
	4-5						
	5-						

SM	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	0					
	1-2						
	2-3						
	3-4						
	4-5						
	5-						

MP	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	5	3	0	40.0%	21.9%	-2.9% 82.9%
	1-2	2	0	0	40.0%	21.9%	-2.9% 82.9%
	2-3	2	0	0	40.0%	21.9%	-2.9% 82.9%
	3-4	2	1	0	20.0%	17.9%	-15.1% 55.1%
	4-5	1	0	0	20.0%	17.9%	-15.1% 55.1%
	5-	1	1	0			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

SS/A1

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	29	2	2	92.9%	4.7%	83.7%
1-2	25	3	0	81.7%	7.3%	67.4%
2-3	22	2	2	73.9%	8.3%	57.7%
3-4	18	2	0	65.7%	9.2%	47.7%
4-5	16	2	1	57.2%	9.7%	38.3%
5-	13	3	10			76.2%

SE/A2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	46	6	0	87.0%	5.0%	77.2%
1-2	40	5	2	75.8%	6.3%	63.5%
2-3	33	1	3	73.4%	6.5%	60.7%
3-4	29	4	4	62.5%	7.2%	48.4%
4-5	21	2	0	56.6%	7.7%	41.6%
5-	19	3	16			71.6%

Si/Ai

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	29	4	2	85.7%	6.4%	73.2%
1-2	23	6	2	62.3%	9.0%	44.7%
2-3	15	2	0	54.0%	9.5%	35.3%
3-4	13	0	0	54.0%	9.5%	35.3%
4-5	13	1	1	49.7%	9.6%	30.8%
5-	11	2	9			68.6%

Table86-5

Macroscopic lymph node status of N4 and depth of tumor invasion
Rectal cancer, surgical cases

N4 & P0,H0,M(-)

M

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	0					
1-2						
2-3						
3-4						
4-5						
5-						

SM

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	0					
1-2						
2-3						
3-4						
4-5						
5-						

MP

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	2	1	0	50.0%	35.4%	-19.3% 119.3%
1-2	1	1	0	0.0%		
2-3	0	0	0			
3-4	0	0	0			
4-5	0	0	0			
5-	0	0	0			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

SS/A1

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	9	2	0	77.8%	13.9%	50.6% 104.9%
1-2	7	5	0	22.2%	13.9%	-4.9% 49.4%
2-3	2	0	0	22.2%	13.9%	-4.9% 49.4%
3-4	2	0	0	22.2%	13.9%	-4.9% 49.4%
4-5	2	0	0	22.2%	13.9%	-4.9% 49.4%
5-	2	0	2			

SE/A2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	32	10	2	67.7%	8.1%	51.9% 83.6%
1-2	20	10	2	32.1%	8.1%	16.2% 48.0%
2-3	8	3	0	20.1%	7.5%	5.4% 34.7%
3-4	5	1	1	15.6%	6.8%	2.3% 28.9%
4-5	3	1	1	9.4%	5.6%	-1.6% 20.3%
5-	1	0	1			

Si/Ai

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	13	1	1	92.0%	7.4%	77.6% 106.4%
1-2	11	3	1	65.7%	13.2%	39.8% 91.6%
2-3	7	1	0	56.3%	14.3%	28.3% 84.3%
3-4	6	0	1	56.3%	14.3%	28.3% 84.3%
4-5	5	0	1	56.3%	14.3%	28.3% 84.3%
5-	4	1	3			

Table87-1

Microscopic lymph node status of n0 and depth of tumor invasion
Colon cancer, surgical cases

n0 & P0,H0,M(-)

m

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	407	6	40	98.4%	0.6%	97.3% 99.6%
1-2	361	5	19	97.0%	0.8%	95.4% 98.7%
2-3	337	5	22	95.6%	1.0%	93.5% 97.6%
3-4	310	4	26	94.3%	1.2%	91.9% 96.6%
4-5	280	3	44	93.2%	1.3%	90.6% 95.8%
5-	233	5	228			

sm

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	754	9	49	98.8%	0.4%	98.0% 99.5%
1-2	696	5	37	98.0%	0.5%	97.0% 99.0%
2-3	654	10	26	96.5%	0.7%	95.2% 97.8%
3-4	618	12	38	94.6%	0.9%	92.9% 96.3%
4-5	568	18	56	91.4%	1.1%	89.3% 93.5%
5-	494	20	474			

mp

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	691	12	37	98.2%	0.5%	97.2% 99.2%
1-2	642	11	19	96.5%	0.7%	95.1% 97.9%
2-3	612	10	25	94.9%	0.8%	93.2% 96.6%
3-4	577	13	30	92.7%	1.0%	90.7% 94.7%
4-5	534	10	54	90.9%	1.1%	88.7% 93.1%
5-	470	18	452			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

ss/a1

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1,994	34	131	98.2%	0.3%	97.7% 98.8%
1-2	1,829	41	100	96.0%	0.4%	95.1% 96.8%
2-3	1,688	44	84	93.4%	0.6%	92.3% 94.5%
3-4	1,560	41	95	90.9%	0.7%	89.6% 92.2%
4-5	1,424	48	123	87.7%	0.8%	86.1% 89.2%
5-	1,253	74	1,179			

se/a2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	488	17	32	96.4%	0.8%	94.8% 98.0%
1-2	439	24	28	91.0%	1.3%	88.4% 93.5%
2-3	387	18	18	86.6%	1.6%	83.5% 89.7%
3-4	351	18	26	82.0%	1.8%	78.5% 85.6%
4-5	307	19	35	76.6%	2.0%	72.7% 80.6%
5-	253	18	235			

si/ai

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	170	12	10	92.7%	2.0%	88.9% 96.6%
1-2	148	6	10	88.8%	2.4%	84.1% 93.5%
2-3	132	6	3	84.8%	2.8%	79.3% 90.2%
3-4	123	5	5	81.2%	3.1%	75.2% 87.3%
4-5	113	5	6	77.5%	3.3%	71.0% 84.1%
5-	102	16	86			

Table 87-2

Microscopic lymph node status of n1 and depth of tumor invasion
Colon cancer, surgical cases

n1 & P0,H0,M(-)

m

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	3	0	0	100.0%	.	.
1-2	3	1	0	66.7%	27.2%	13.3% 120.0%
2-3	2	0	0	66.7%	27.2%	13.3% 120.0%
3-4	2	0	0	66.7%	27.2%	13.3% 120.0%
4-5	2	0	0	66.7%	27.2%	13.3% 120.0%
5-	2	0	2			

sm

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	59	0	2	100.0%	0.0%	100.0% 100.0%
1-2	57	0	1	100.0%	0.0%	100.0% 100.0%
2-3	56	3	3	94.5%	3.0%	88.6% 100.4%
3-4	50	5	4	84.7%	4.8%	75.2% 94.1%
4-5	41	0	0	84.7%	4.8%	75.2% 94.1%
5-	41	0	41			

mp

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	130	2	8	98.4%	1.1%	96.3% 100.5%
1-2	120	1	5	97.6%	1.3%	94.9% 100.2%
2-3	114	0	3	97.6%	1.3%	94.9% 100.2%
3-4	111	4	4	94.0%	2.2%	89.8% 98.2%
4-5	103	3	11	91.1%	2.6%	86.0% 96.2%
5-	89	3	86			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

ss/a1

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	885	15	41	98.3%	0.4%	97.4% 99.1%
1-2	829	36	31	93.9%	0.8%	92.3% 95.5%
2-3	762	46	41	88.1%	1.1%	85.9% 90.3%
3-4	675	32	45	83.8%	1.3%	81.3% 86.3%
4-5	598	18	46	81.1%	1.4%	78.5% 83.8%
5-	534	52	482			

se/a2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	343	15	16	95.5%	1.1%	93.4% 97.7%
1-2	312	23	10	88.4%	1.7%	85.0% 91.8%
2-3	279	22	18	81.2%	2.1%	77.0% 85.4%
3-4	239	14	14	76.3%	2.4%	71.6% 80.9%
4-5	211	13	10	71.5%	2.5%	66.5% 76.4%
5-	188	23	165			

si/ai

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	72	6	3	91.5%	3.3%	85.1% 97.9%
1-2	63	9	5	77.9%	4.9%	68.3% 87.4%
2-3	49	8	5	64.5%	5.7%	53.3% 75.7%
3-4	36	3	1	59.0%	6.0%	47.2% 70.8%
4-5	32	1	3	57.1%	6.1%	45.1% 69.1%
5-	28	5	23			

Table 87-3

Microscopic lymph node status of n2 and depth of tumor invasion
Colon cancer, surgical cases

n2 & P0,H0,M(-)

m

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	0					
1-2						
2-3						
3-4						
4-5						
5-						

sm

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	16	0	0	100.0%	.	.
1-2	16	0	0	100.0%	.	.
2-3	16	0	0	100.0%	.	.
3-4	16	0	0	100.0%	.	.
4-5	16	0	0	100.0%	.	.
5-	16	0	16			

mp

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	23	0	0	100.0%	.	.
1-2	23	0	2	100.0%	.	.
2-3	21	1	1	95.1%	4.6%	86.0%
3-4	19	1	1	90.0%	6.6%	77.1%
4-5	17	0	4	90.0%	6.6%	77.1%
5-	13	1	12			102.8%

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

ss/a1

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	321	15	16	95.2%	1.2%	92.9% 97.5%
1-2	290	14	8	90.5%	1.6%	87.3% 93.8%
2-3	268	23	14	82.6%	2.1%	78.4% 86.8%
3-4	231	16	12	76.7%	2.4%	71.9% 81.5%
4-5	203	8	16	73.5%	2.6%	68.6% 78.5%
5-	179	29	150			

se/a2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	190	16	11	91.3%	2.0%	87.4% 95.3%
1-2	163	25	6	77.1%	3.1%	71.0% 83.1%
2-3	132	19	6	65.7%	3.5%	58.8% 72.6%
3-4	107	12	9	58.0%	3.7%	50.8% 65.3%
4-5	86	7	1	53.3%	3.8%	45.8% 60.7%
5-	78	12	66			

si/ai

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	37	3	1	91.8%	4.5%	83.0% 100.6%
1-2	33	7	2	71.7%	7.4%	57.3% 86.1%
2-3	24	5	1	56.4%	8.3%	40.2% 72.7%
3-4	18	4	1	43.5%	8.4%	27.0% 60.0%
4-5	13	1	1	40.1%	8.4%	23.6% 56.5%
5-	11	1	10			

Table87-4

Microscopic lymph node status of n3 and depth of tumor invasion
Colon cancer, surgical cases

n3 & P0,H0,M(-)

m

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	0					
1-2						
2-3						
3-4						
4-5						
5-						

sm

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	0					
1-2						
2-3						
3-4						
4-5						
5-						

mp

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	5	0	1	100.0%	.	.
1-2	4	0	0	100.0%	.	.
2-3	4	0	0	100.0%	.	.
3-4	4	0	0	100.0%	.	.
4-5	4	1	0	75.0%	21.7%	32.6%
5-	3	0	3			117.4%

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

ss/ai

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	64	3	4	95.2%	2.6%	90.0%
1-2	57	10	2	78.2%	5.2%	67.9%
2-3	45	9	2	62.2%	6.2%	50.0%
3-4	34	4	2	54.6%	6.5%	42.0%
4-5	28	4	3	46.4%	6.5%	33.6%
5-	21	0	21			

se/a2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	48	6	1	87.4%	4.8%	78.0%
1-2	41	9	4	67.2%	6.7%	54.1%
2-3	28	5	0	55.2%	7.3%	40.9%
3-4	23	3	1	47.8%	7.4%	33.3%
4-5	19	0	1	47.8%	7.4%	33.3%
5-	18	2	16			

si/ai

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	12	3	0	75.0%	12.5%	50.5%
1-2	9	2	1	57.4%	14.0%	29.9%
2-3	6	2	0	38.2%	14.5%	9.9%
3-4	4	0	0	38.2%	14.5%	9.9%
4-5	4	1	1	27.3%	13.0%	1.9%
5-	2	0	2			

Table87-5

Microscopic lymph node status of n4 and depth of tumor invasion
Colon cancer, surgical cases

n4 & P0,H0,M(-)

m

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	0					
1-2						
2-3						
3-4						
4-5						
5-						

sm

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	0					
1-2						
2-3						
3-4						
4-5						
5-						

mp

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	2	0	0	100.0%	.	.
1-2	2	0	0	100.0%	.	.
2-3	2	0	0	100.0%	.	.
3-4	2	1	0	50.0%	35.4%	-19.3% 119.3%
4-5	1	0	0	50.0%	35.4%	-19.3% 119.3%
5-	1	0	1			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

ss/a1

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	23	7	2	68.2%	9.4%	49.8% 86.6%
1-2	14	4	1	48.0%	10.5%	27.5% 68.5%
2-3	9	0	0	48.0%	10.5%	27.5% 68.5%
3-4	9	5	0	21.3%	9.2%	3.3% 39.4%
4-5	4	1	0	16.0%	8.3%	-0.3% 32.3%
5-	3	0	3			

se/a2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	25	4	0	84.0%	7.3%	69.6% 98.4%
1-2	21	11	1	38.9%	9.5%	20.2% 57.6%
2-3	9	3	0	26.0%	8.8%	8.7% 43.2%
3-4	6	1	0	21.6%	8.3%	5.3% 38.0%
4-5	5	1	0	17.3%	7.7%	2.2% 32.4%
5-	4	0	4			

si/ai

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	20	6	4	66.7%	9.8%	47.5% 85.8%
1-2	10	3	1	45.6%	11.6%	22.9% 68.3%
2-3	6	1	0	38.0%	11.9%	14.7% 61.3%
3-4	5	1	0	30.4%	11.7%	7.5% 53.3%
4-5	4	0	1	30.4%	11.7%	7.5% 53.3%
5-	3	0	3			

Table 88-1

Microscopic lymph node status of n0 and depth of tumor invasion
Rectal cancer, surgical cases

n0 & P0,H0,M(-)

m

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	155	1	17	99.3%	0.6%	98.1% 100.6%
1-2	137	1	11	98.6%	1.0%	96.7% 100.5%
2-3	125	1	11	97.7%	1.2%	95.3% 100.2%
3-4	113	3	6	95.1%	1.9%	91.3% 98.8%
4-5	104	0	10	95.1%	1.9%	91.3% 98.8%
5-	94	1	93			

sm

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	450	1	24	99.8%	0.2%	99.3% 100.2%
1-2	425	8	21	97.8%	0.7%	96.5% 99.2%
2-3	396	4	16	96.8%	0.8%	95.2% 98.5%
3-4	376	2	30	96.3%	0.9%	94.5% 98.1%
4-5	344	6	36	94.5%	1.1%	92.3% 96.7%
5-	302	14	288			

mp

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	712	9	25	98.7%	0.4%	97.9% 99.5%
1-2	678	11	19	97.1%	0.6%	95.9% 98.3%
2-3	648	12	27	95.3%	0.8%	93.7% 96.8%
3-4	609	15	44	92.8%	1.0%	90.9% 94.8%
4-5	550	22	49	88.9%	1.2%	86.5% 91.3%
5-	479	30	449			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

ss/a1

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	954	15	37	98.4%	0.4%	97.6%
1-2	902	21	23	96.1%	0.6%	94.8%
2-3	858	24	40	93.3%	0.8%	91.7%
3-4	794	31	42	89.6%	1.0%	87.6%
4-5	721	33	74	85.3%	1.2%	82.9%
5-	614	45	569			87.6%

se/a2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	433	13	24	96.9%	0.8%	95.3%
1-2	396	19	20	92.1%	1.3%	89.6%
2-3	357	20	19	86.8%	1.7%	83.6%
3-4	318	20	24	81.2%	1.9%	77.3%
4-5	274	8	27	78.7%	2.1%	74.6%
5-	239	34	205			82.7%

si/ai

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	102	10	7	89.8%	2.9%	84.1%
1-2	85	11	6	77.8%	4.1%	69.7%
2-3	68	6	3	70.8%	4.6%	61.7%
3-4	59	4	3	65.9%	4.9%	56.3%
4-5	52	3	6	61.8%	5.0%	51.9%
5-	43	6	37			71.7%

Table88-2

Microscopic lymph node status of n1 and depth of tumor invasion
Rectal cancer, surgical cases

n1 & P0,H0,M(-)

m	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	1	0	0	100.0%	.	.
	1-2	1	0	0	100.0%	.	.
	2-3	1	0	0	100.0%	.	.
	3-4	1	0	0	100.0%	.	.
	4-5	1	0	0	100.0%	.	.
	5-	1	0	1			

sm	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	38	0	0	100.0%	0.0%	100.0% 100.0%
	1-2	38	2	0	94.7%	3.6%	87.6% 101.8%
	2-3	36	2	0	89.5%	5.0%	79.7% 99.2%
	3-4	34	1	3	86.7%	5.5%	76.0% 97.5%
	4-5	30	0	2	86.7%	5.5%	76.0% 97.5%
	5-	28	2	26			

mp	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	180	3	8	98.3%	1.0%	96.4% 100.2%
	1-2	169	7	6	94.2%	1.8%	90.7% 97.6%
	2-3	156	6	6	90.5%	2.2%	86.1% 94.8%
	3-4	144	6	7	86.6%	2.6%	81.5% 91.7%
	4-5	131	3	17	84.5%	2.8%	79.0% 89.9%
	5-	111	7	104			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

ss/a1

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	537	14	21	97.3%	0.7%	96.0%
1-2	502	20	16	93.4%	1.1%	91.3%
2-3	466	40	21	85.2%	1.6%	82.1%
3-4	405	29	28	78.9%	1.8%	75.3%
4-5	348	13	33	75.8%	1.9%	72.0%
5-	302	34	268			

se/a2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	390	20	12	94.8%	1.1%	92.6%
1-2	358	42	16	83.4%	1.9%	79.7%
2-3	300	27	12	75.8%	2.2%	71.5%
3-4	261	27	11	67.8%	2.4%	63.0%
4-5	223	22	17	60.8%	2.6%	55.8%
5-	184	16	168			

si/ai

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	46	3	6	93.0%	3.6%	85.9%
1-2	37	7	1	75.2%	6.6%	62.1%
2-3	29	4	1	64.6%	7.5%	50.0%
3-4	24	1	2	61.8%	7.6%	46.9%
4-5	21	0	3	61.8%	7.6%	46.9%
5-	18	4	14			

Table88-3

Microscopic lymph node status of n2 and depth of tumor invasion
Rectal cancer, surgical cases

n2 & P0,H0,M(-)

m

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	0					
1-2						
2-3						
3-4						
4-5						
5-						

sm

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	11	0	0	100.0%	0.0%	100.0%
1-2	11	2	0	81.8%	11.6%	59.0%
2-3	9	0	1	81.8%	11.6%	59.0%
3-4	8	0	0	81.8%	11.6%	59.0%
4-5	8	0	0	81.8%	11.6%	59.0%
5-	8	0	8			

mp

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	35	0	0	100.0%	0.0%	100.0%
1-2	35	1	4	97.0%	2.8%	91.5%
2-3	30	1	2	93.6%	4.2%	85.4%
3-4	27	3	0	83.2%	6.8%	70.0%
4-5	24	2	0	76.3%	7.8%	61.0%
5-	22	1	21			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

ss/a1

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	201	9	13	95.4%	1.5%	92.5%
1-2	179	18	5	85.6%	2.5%	80.7%
2-3	156	22	6	73.3%	3.2%	67.0%
3-4	128	12	9	66.2%	3.5%	59.4%
4-5	107	10	9	59.7%	3.6%	52.6%
5-	88	8	80			66.9%

se/a2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	198	15	6	92.3%	1.9%	88.6%
1-2	177	35	6	73.7%	3.1%	67.6%
2-3	136	19	5	63.2%	3.5%	56.5%
3-4	112	11	6	56.9%	3.6%	49.8%
4-5	95	10	4	50.7%	3.7%	43.6%
5-	81	16	65			57.9%

si/ai

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	36	6	1	83.1%	6.2%	71.0%
1-2	29	8	1	59.8%	8.2%	43.8%
2-3	20	2	0	53.8%	8.4%	37.4%
3-4	18	1	1	50.7%	8.4%	34.2%
4-5	16	1	0	47.6%	8.5%	31.0%
5-	15	3	12			64.1%

Table88-4

Microscopic lymph node status of n3 and depth of tumor invasion
Rectal cancer, surgical cases

n3 & P0,H0,M(-)

m	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	0					
	1-2						
	2-3						
	3-4						
	4-5						
	5-						

sm	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	1	0	0	100.0%	.	.
	1-2	1	0	0	100.0%	.	.
	2-3	1	0	0	100.0%	.	.
	3-4	1	0	0	100.0%	.	.
	4-5	1	0	0	100.0%	.	.
	5-	1	0	1			

mp	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	12	0	0	100.0%	0.0%	100.0% 100.0%
	1-2	12	1	0	91.7%	8.0%	76.0% 107.3%
	2-3	11	1	1	82.9%	10.7%	62.0% 103.9%
	3-4	9	1	0	73.7%	12.9%	48.5% 99.0%
	4-5	8	1	1	63.9%	14.1%	36.3% 91.4%
	5-	6	2	4			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

ss/a1

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	32	2	1	93.7%	4.3%	85.3% 102.0%
1-2	29	3	3	83.4%	6.5%	70.7% 96.2%
2-3	23	5	3	64.0%	8.6%	47.1% 80.9%
3-4	15	4	1	46.4%	9.5%	27.7% 65.1%
4-5	10	0	0	46.4%	9.5%	27.7% 65.1%
5-	10	0	10			

se/a2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	52	5	1	90.3%	4.1%	82.3% 98.3%
1-2	46	9	1	72.4%	6.2%	60.3% 84.6%
2-3	36	2	3	68.2%	6.5%	55.6% 80.9%
3-4	31	7	2	52.3%	7.1%	38.4% 66.2%
4-5	22	4	2	42.3%	7.1%	28.3% 56.4%
5-	16	1	15			

si/ai

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	15	2	0	86.7%	8.8%	69.5% 103.9%
1-2	13	4	0	60.0%	12.6%	35.2% 84.8%
2-3	9	4	0	33.3%	12.2%	9.5% 57.2%
3-4	5	0	0	33.3%	12.2%	9.5% 57.2%
4-5	5	0	0	33.3%	12.2%	9.5% 57.2%
5-	5	1	4			

Table88-5

Microscopic lymph node status of n4 and depth of tumor invasion
Rectal cancer, surgical cases

n4 & P0,H0,M(-)

m	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	0					
	1-2						
	2-3						
	3-4						
	4-5						
	5-						

sm	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	0					
	1-2						
	2-3						
	3-4						
	4-5						
	5-						

mp	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	3	1	0	66.7%	27.2%	13.3%
	1-2	2	2	0	0.0%		
	2-3	0	0	0			
	3-4	0	0	0			
	4-5	0	0	0			
	5-	0	0	0			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

ss/a1

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	13	1	0	92.3%	7.4%	77.8% 106.8%
1-2	12	5	0	53.8%	13.8%	26.7% 80.9%
2-3	7	2	0	38.5%	13.5%	12.0% 64.9%
3-4	5	0	0	38.5%	13.5%	12.0% 64.9%
4-5	5	0	0	38.5%	13.5%	12.0% 64.9%
5-	5	0	5			

se/a2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	34	12	3	63.1%	8.0%	47.4% 78.7%
1-2	19	11	1	25.6%	7.6%	10.7% 40.5%
2-3	7	2	0	18.3%	7.0%	4.6% 31.9%
3-4	5	2	0	11.0%	5.8%	-0.4% 22.3%
4-5	3	1	1	6.6%	4.4%	-2.0% 15.2%
5-	1	0	1			

si/ai

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	9	0	0	100.0%	0.0%	100.0% 100.0%
1-2	9	3	1	64.7%	15.3%	34.8% 94.6%
2-3	5	3	0	25.9%	15.4%	-4.4% 56.1%
3-4	2	0	1	25.9%	15.4%	-4.4% 56.1%
4-5	1	0	0	25.9%	15.4%	-4.4% 56.1%
5-	1	0	1			

Table89-1
Liver metastasis (synchronous)
Colon cancer, surgical cases

H0							
Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	7,898	329	518	95.7%	0.2%	95.3%	96.1%
1-2	7,051	346	347	90.9%	0.3%	90.2%	91.5%
2-3	6,358	291	323	86.6%	0.4%	85.8%	87.4%
3-4	5,744	229	363	83.0%	0.4%	82.2%	83.9%
4-5	5,152	182	493	80.0%	0.5%	79.0%	80.9%
5-	4,477	310	4,167				

H1							
Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	342	68	20	79.5%	2.1%	75.3%	83.7%
1-2	254	62	19	59.4%	2.7%	54.2%	64.6%
2-3	173	32	19	47.7%	2.7%	42.4%	53.1%
3-4	122	16	11	41.2%	2.8%	35.7%	46.6%
4-5	95	9	12	37.0%	2.8%	31.6%	42.5%
5-	74	15	59				

H2							
Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	202	60	23	68.5%	3.1%	62.4%	74.6%
1-2	119	42	9	43.4%	3.5%	36.4%	50.3%
2-3	68	11	7	36.0%	3.5%	29.1%	42.9%
3-4	50	10	5	28.4%	3.4%	21.7%	35.1%
4-5	35	4	3	25.0%	3.4%	18.4%	31.6%
5-	28	7	21				

H3							
Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	564	260	59	51.4%	2.0%	47.4%	55.3%
1-2	245	134	9	22.7%	1.8%	19.2%	26.3%
2-3	102	49	5	11.5%	1.4%	8.7%	14.4%
3-4	48	11	1	8.9%	1.3%	6.3%	11.4%
4-5	36	10	5	6.2%	1.1%	4.0%	8.4%
5-	21	8	13				

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;
Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

Table89-2
Liver metastasis (synchronous)
Rectal cancer, surgical cases

H0

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	5,331	206	276	96.0%	0.3%	95.5% 96.5%
1-2	4,849	293	187	90.1%	0.4%	89.3% 90.9%
2-3	4,369	253	194	84.8%	0.5%	83.8% 85.8%
3-4	3,922	208	261	80.1%	0.6%	79.0% 81.2%
4-5	3,453	144	342	76.6%	0.6%	75.4% 77.8%
5-	2,967	250	2,717			

H1

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	219	38	19	81.9%	2.5%	76.9% 86.8%
1-2	162	48	11	56.8%	3.4%	50.1% 63.4%
2-3	103	24	10	42.9%	3.5%	36.1% 49.6%
3-4	69	16	6	32.5%	3.4%	25.8% 39.1%
4-5	47	4	4	29.6%	3.4%	23.0% 36.2%
5-	39	7	32			

H2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	120	35	8	69.8%	4.1%	61.8% 77.8%
1-2	77	25	6	46.2%	4.5%	37.3% 55.2%
2-3	46	15	5	30.3%	4.3%	21.9% 38.7%
3-4	26	7	3	21.6%	4.0%	13.8% 29.5%
4-5	16	4	3	15.7%	3.7%	8.5% 22.9%
5-	9	1	8			

H3

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	280	107	25	60.0%	2.8%	54.5% 65.5%
1-2	148	78	11	27.2%	2.7%	21.9% 32.4%
2-3	59	28	4	13.8%	2.2%	9.5% 18.1%
3-4	27	10	2	8.5%	1.8%	4.9% 12.1%
4-5	15	4	2	6.1%	1.6%	2.9% 9.2%
5-	9	4	5			

Table90-1
Peritoneal metastasis (synchronous)
Colon cancer, surgical cases

P0	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	8,447	462	574	94.3%	0.2%	93.9%
	1-2	7,411	482	364	88.0%	0.4%	87.4%
	2-3	6,565	343	346	83.3%	0.4%	82.5%
	3-4	5,876	250	372	79.7%	0.5%	78.8%
	4-5	5,254	199	504	76.5%	0.5%	75.5%
	5-	4,551	329	4,222			77.4%

P1	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	221	74	20	64.9%	3.1%	58.9%
	1-2	127	46	10	40.4%	3.3%	33.9%
	2-3	71	16	4	31.1%	3.2%	24.7%
	3-4	51	8	4	26.0%	3.1%	19.9%
	4-5	39	2	6	24.6%	3.1%	18.5%
	5-	31	6	25			30.6%

P2	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	142	58	7	58.1%	4.1%	50.2%
	1-2	77	30	4	34.9%	4.0%	27.0%
	2-3	43	18	2	19.9%	3.4%	13.2%
	3-4	23	4	3	16.2%	3.2%	9.9%
	4-5	16	4	3	11.7%	2.9%	6.1%
	5-	9	2	7			17.4%

P3	Year	Alive	Died	Lost	SR	SE	95%CI
	0-1	192	121	16	34.2%	3.2%	27.9%
	1-2	55	31	7	13.6%	2.5%	8.8%
	2-3	17	5	2	9.4%	2.2%	5.0%
	3-4	10	4	1	5.4%	1.9%	1.7%
	4-5	5	0	1	5.4%	1.9%	1.7%
	5-	4	2	2			9.2%

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

Table90-2

Peritoneal metastasis (synchronous)

Rectal cancer, surgical cases

P0

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	5,741	306	312	94.5%	0.3%	93.9% 95.1%
1-2	5,123	412	209	86.8%	0.4%	85.9% 87.6%
2-3	4,502	298	209	80.9%	0.5%	79.8% 81.9%
3-4	3,995	230	271	76.1%	0.6%	74.9% 77.2%
4-5	3,494	157	346	72.5%	0.6%	71.3% 73.7%
5-	2,991	256	2,735			

P1

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	113	38	6	65.5%	4.4%	56.9% 74.0%
1-2	69	24	1	42.5%	4.7%	33.3% 51.7%
2-3	44	16	2	26.7%	4.2%	18.4% 35.0%
3-4	26	9	1	17.3%	3.7%	10.0% 24.5%
4-5	16	0	2	17.3%	3.7%	10.0% 24.5%
5-	14	5	9			

P2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	33	13	5	57.4%	8.1%	41.6% 73.2%
1-2	15	6	2	32.8%	8.3%	16.5% 49.1%
2-3	7	2	1	22.7%	7.9%	7.2% 38.2%
3-4	4	2	0	11.3%	6.9%	-2.2% 24.9%
4-5	2	0	0	11.3%	6.9%	-2.2% 24.9%
5-	2	0	2			

P3

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	37	23	3	35.2%	7.4%	20.7% 49.8%
1-2	11	3	0	25.6%	7.2%	11.5% 39.7%
2-3	8	4	0	12.8%	5.8%	1.5% 24.1%
3-4	4	1	0	9.6%	5.1%	-0.5% 19.7%
4-5	3	0	1	9.6%	5.1%	-0.5% 19.7%
5-	2	0	2			

Table91-1

Lung metastasis (synchronous)

Colon cancer, surgical cases

PM0

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	8,227	597	507	92.5%	0.3%	92.0% 93.1%
1-2	7,123	521	351	85.6%	0.4%	84.8% 86.3%
2-3	6,251	353	323	80.6%	0.4%	79.7% 81.5%
3-4	5,575	249	320	76.9%	0.5%	76.0% 77.8%
4-5	5,006	188	479	73.9%	0.5%	72.9% 74.9%
5-	4,339	322	4,017			

PM1

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	117	30	13	72.9%	4.0%	65.1% 80.6%
1-2	74	29	7	42.9%	4.6%	33.8% 52.0%
2-3	38	7	5	34.4%	4.6%	25.5% 43.4%
3-4	26	5	1	27.7%	4.5%	18.8% 36.6%
4-5	20	4	0	22.1%	4.4%	13.5% 30.7%
5-	16	4	12			

PM2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	16	6	2	60.0%	11.6%	37.2% 82.8%
1-2	8	1	1	52.0%	12.2%	28.0% 76.0%
2-3	6	2	0	34.7%	12.9%	9.4% 60.0%
3-4	4	1	0	26.0%	12.3%	2.0% 50.0%
4-5	3	1	0	17.3%	10.8%	-3.8% 38.5%
5-	2	0	2			

PM3

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	49	29	6	37.0%	6.4%	24.5% 49.4%
1-2	14	7	1	17.8%	5.7%	6.7% 28.9%
2-3	6	5	0	3.0%	2.9%	-2.7% 8.6%
3-4	1	0	0	3.0%	2.9%	-2.7% 8.6%
4-5	1	0	0	3.0%	2.9%	-2.7% 8.6%
5-	1	0	1			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

Table91-2
Lung metastasis (synchronous)
Rectal cancer, surgical cases

PM0

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	5,418	303	254	94.3%	0.3%	93.7% 94.9%
1-2	4,861	372	184	86.9%	0.5%	86.0% 87.8%
2-3	4,305	281	185	81.1%	0.5%	80.1% 82.2%
3-4	3,839	226	239	76.2%	0.6%	75.0% 77.4%
4-5	3,374	147	331	72.7%	0.6%	71.5% 73.9%
5-	2,896	249	2,647			

PM1

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	95	26	9	71.3%	4.5%	62.5% 80.1%
1-2	60	20	5	46.5%	5.2%	36.4% 56.6%
2-3	35	18	2	21.9%	4.5%	13.0% 30.7%
3-4	15	6	1	12.8%	3.8%	5.4% 20.2%
4-5	8	1	0	11.2%	3.6%	4.1% 18.3%
5-	7	1	6			

PM2

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	17	7	0	58.8%	11.9%	35.4% 82.2%
1-2	10	8	0	11.8%	7.8%	-3.6% 27.1%
2-3	2	1	0	5.9%	5.7%	-5.3% 17.1%
3-4	1	0	0	5.9%	5.7%	-5.3% 17.1%
4-5	1	1	0	0.0%		
5-	0	0	0			

PM3

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	47	16	3	64.8%	6.8%	51.5% 78.2%
1-2	28	12	6	33.7%	6.6%	20.9% 46.6%
2-3	10	7	0	10.1%	5.3%	-0.2% 20.4%
3-4	3	0	1	10.1%	5.3%	-0.2% 20.4%
4-5	2	0	0	10.1%	5.3%	-0.2% 20.4%
5-	2	1	1			

Table92-1
 Distant metastasis (synchronous)
 Colon cancer, surgical cases

M(-)

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	8,307	614	543	92.4%	0.3%	91.8% 92.9%
1-2	7,150	531	354	85.3%	0.4%	84.6% 86.1%
2-3	6,265	360	315	80.3%	0.4%	79.4% 81.2%
3-4	5,590	252	346	76.6%	0.5%	75.6% 77.5%
4-5	4,992	194	461	73.4%	0.5%	72.5% 74.4%
5-	4,337	324	4,013			

M(+)

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	164	68	10	57.2%	3.8%	49.9% 64.6%
1-2	86	31	3	36.2%	3.8%	28.8% 43.6%
2-3	52	10	6	28.8%	3.6%	21.8% 35.9%
3-4	36	6	3	23.8%	3.5%	17.1% 30.6%
4-5	27	2	4	21.9%	3.4%	15.3% 28.6%
5-	21	3	18			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

Table92-2
 Distant metastasis (synchronous)
 Rectal cancer, surgical cases

M(-)

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	5,583	339	277	93.8%	0.3%	93.1% 94.4%
1-2	4,967	405	193	86.0%	0.5%	85.1% 86.9%
2-3	4,369	296	200	80.0%	0.5%	78.9% 81.1%
3-4	3,873	232	249	75.1%	0.6%	73.9% 76.2%
4-5	3,392	153	326	71.5%	0.6%	70.3% 72.7%
5-	2,913	259	2,654			

M(+)

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	96	25	9	72.7%	4.4%	64.1% 81.3%
1-2	62	23	4	44.8%	5.1%	34.7% 54.9%
2-3	35	17	1	22.7%	4.6%	13.8% 31.7%
3-4	17	3	1	18.6%	4.3%	10.2% 27.0%
4-5	13	2	2	15.5%	4.0%	7.7% 23.3%
5-	9	2	7			

Table93-1
Endoscopic resection
Colon cancer, treated by endoscopy alone

m

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	260	5	52	97.9%	0.8%	96.2% 99.5%
1-2	203	1	10	97.4%	1.0%	95.5% 99.3%
2-3	192	2	13	96.3%	1.2%	94.0% 98.7%
3-4	177	3	15	94.6%	1.5%	91.7% 97.6%
4-5	159	2	20	93.3%	1.7%	90.0% . 96.7%
5-	137	3	134			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	182	4	31	97.6%	1.1%	95.5% 99.7%
1-2	147	1	6	96.9%	1.3%	94.4% 99.4%
2-3	140	2	11	95.5%	1.6%	92.4% 98.6%
3-4	127	3	10	93.1%	2.0%	89.2% 97.1%
4-5	114	2	14	91.4%	2.3%	86.9% 95.9%
5-	98	3	95			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	78	1	21	98.5%	1.3%	96.0% 101.0%
1-2	56	0	4	98.5%	1.3%	96.0% 101.0%
2-3	52	0	2	98.5%	1.3%	96.0% 101.0%
3-4	50	0	5	98.5%	1.3%	96.0% 101.0%
4-5	45	0	6	98.5%	1.3%	96.0% 101.0%
5-	39	0	39			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

sm

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	33	0	7	100.0%	.	.
1-2	26	1	2	96.0%	3.8%	88.6% 103.4%
2-3	23	2	2	87.3%	6.6%	74.4% 100.2%
3-4	19	0	0	87.3%	6.6%	74.4% 100.2%
4-5	19	1	1	82.6%	7.7%	67.5% 97.6%
5-	17	1	16			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	23	0	6	100.0%	.	.
1-2	17	1	1	93.9%	5.7%	82.8% 105.1%
2-3	15	1	2	87.2%	8.0%	71.5% 102.9%
3-4	12	0	0	87.2%	8.0%	71.5% 102.9%
4-5	12	1	0	80.0%	10.1%	60.1% 99.8%
5-	11	0	11			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	10	0	1	100.0%	.	.
1-2	9	0	1	100.0%	.	.
2-3	8	1	0	87.5%	11.7%	64.6% 110.4%
3-4	7	0	0	87.5%	11.7%	64.6% 110.4%
4-5	7	0	1	87.5%	11.7%	64.6% 110.4%
5-	6	1	5			

Table93-2
Endoscopic resection
Rectal cancer, treated by endoscopy alone

m

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	68	0	11	100.0%	.	.
1-2	57	0	5	100.0%	.	.
2-3	52	2	4	96.0%	2.7%	90.8% 101.2%
3-4	46	1	7	93.7%	3.3%	87.2% 100.2%
4-5	38	1	0	91.3%	4.0%	83.3% 99.2%
5-	37	0	37			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	44	0	6	100.0%	.	.
1-2	38	0	2	100.0%	.	.
2-3	36	2	4	94.1%	3.8%	86.7% 101.6%
3-4	30	0	7	94.1%	3.8%	86.7% 101.6%
4-5	23	1	0	90.0%	5.4%	79.4% 100.6%
5-	22	0	22			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	24	0	5	100.0%	.	.
1-2	19	0	3	100.0%	.	.
2-3	16	0	0	100.0%	.	.
3-4	16	1	0	93.8%	6.1%	81.9% 105.6%
4-5	15	0	0	93.8%	6.1%	81.9% 105.6%
5-	15	0	15			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

sm

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	10	0	2	100.0%	.	.
1-2	8	0	0	100.0%	.	.
2-3	8	0	1	100.0%	.	.
3-4	7	0	0	100.0%	.	.
4-5	7	0	0	100.0%	.	.
5-	7	0	7			

Males

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	9	0	1	100.0%	.	.
1-2	8	0	0	100.0%	.	.
2-3	8	0	1	100.0%	.	.
3-4	7	0	0	100.0%	.	.
4-5	7	0	0	100.0%	.	.
5-	7	0	7			

Females

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	1	0	1	100.0%	.	.
1-2	0	0	0			
2-3	0	0	0			
3-4	0	0	0			
4-5	0	0	0			
5-	0	0	0			

Table94

Colon and rectal cancer at institues with high proportion for follow-up (>90%), surgical cases

Colon cancer

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	7,654	608	537	91.8%	0.3%	91.2% 92.4%
1-2	6,509	516	313	84.3%	0.4%	83.5% 85.1%
2-3	5,680	334	302	79.2%	0.5%	78.3% 80.1%
3-4	5,044	239	324	75.3%	0.5%	74.3% 76.3%
4-5	4,481	168	405	72.4%	0.5%	71.3% 73.4%
5-	3,908	294	3,614			

Rectal cancer

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	5,055	337	270	93.2%	0.4%	92.5% 93.8%
1-2	4,448	390	186	84.8%	0.5%	83.8% 85.8%
2-3	3,872	273	190	78.7%	0.6%	77.5% 79.8%
3-4	3,409	207	235	73.7%	0.6%	72.5% 75.0%
4-5	2,967	140	265	70.1%	0.7%	68.8% 71.4%
5-	2,562	212	2,350			

Year=Year after treatment; Alive=Number alive at beginning of year; Died=Number died during year;

Lost=Number last seen alive during year; SR=Survival rate at end of year; SE=standard error; 95% CI=95 percent confidence interval

登録施設

相澤病院 外科
愛知県がんセンター 愛知病院 外科
愛知県がんセンター 中央病院 消化器外科
石川県立中央病院 消化器外科
岩手医科大学 外科
岩手医科大学 消化器・肝臓内科*大分県立三重病院 外科
大分大学 第1外科
大阪厚生年金病院 外科
大阪市立大学 消化器外科
大阪中央病院 外科
大阪府済生会野江病院
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大田原赤十字病院 外科
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熊本大学 消化器外科
倉敷中央病院 外科
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日本大学医学部付属3病院
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防衛医科大学校 外科
松下記念病院 外科*松田病院 胃腸・肛門科
三重大学 消化管・小児外科学
宮城県立がんセンター*
山形大学 外科学第一講座
山口大学 消化器・腫瘍外科
横浜市立みなと赤十字病院 外科
淀川キリスト教病院 外科
りんくう総合医療センター市立泉佐野病院 外科
和歌山県立医科大学 第2外科

*印は、互換性のない形式のデータ、取扱い規約第7版用ソフトに入力されたデータなど、データを集計に利用できなかった施設

1999年治療例の報告書「Multi-institutional Registry of Large Bowel Cancer in Japan. Vol.28 Cases treated in 1999」の集計に誤りがありました（訂正箇所65～68ページ）。腺癌以外の悪性腫瘍（malignancies other than adenocarcinoma）の総数を79例から76例に、Surgeryを67例から62例に訂正させていただきます。

Malignant neoplasms other than adenocarcinoma

A total of 76 patients with malignancies other than adenocarcinoma was classified into 3 groups.

I)	All	76 cases
II)	Surgery	62 cases
III)	Endoscopic excision	14 cases

Table 52-1
Age-specific incidence, males

Site	Age							Total
	30-39	40-49	50-59	60-69	70-79	80-89		
V	0	0	0	0	0	0	0	0
C	0	0	0	0	1	0	1	
A	0	1	0	0	2	0	3	
T	0	0	0	2	0	0	2	
D	0	1	0	0	0	0	1	
S	0	0	0	0	1	0	1	
Rs	0	0	0	1	0	0	1	
Ra	0	1	1	0	0	1	3	
Rb	2	1	7	3	2	0	15	
P	0	0	1	2	3	1	7	
Rx	0	0	0	0	0	0	0	
Colon	0	2	0	2	4	0	8	
Rectum	2	2	9	6	5	2	26	
NOS	0	0	0	0	0	0	0	
Total	2	4	9	8	9	2	34	

Table 52-2
Age-specific incidence, females

Site	Age							Total
	30-39	40-49	50-59	60-69	70-79	80-89		
V	0	0	0	1	0	0	0	1
C	0	0	0	1	1	0	0	2
A	0	0	1	1	2	0	0	3
T	0	0	0	0	1	0	0	1
D	0	0	0	0	1	0	0	1
S	0	0	0	0	0	0	0	0
Rs	0	0	0	0	0	0	0	0
Ra	1	1	0	0	0	0	0	2
Rb	0	4	4	1	2	1	12	
P	0	0	0	1	1	3	0	5
Rx	0	0	0	1	0	0	0	1
Colon	0	0	5	3	0	0	0	8
Rectum	1	5	6	2	5	1	20	
NOS	0	0	0	0	0	0	0	0
Total	1	5	11	5	5	1	28	

Table 53
Histological typing, by site

Site	Histology									Total
	sq	as	ud	OEM	cd	MM	LMS	NHL	OTH	
V	0	0	0	0	0	0	0	0	1	1
C	0	0	0	0	0	0	0	3	0	3
A	0	0	1	1	1	0	0	1	2	6
T	0	0	0	0	0	0	1	1	1	3
D	0	0	0	0	0	0	0	0	2	2
S	0	0	0	0	0	0	0	0	1	1
Rs	0	0	0	0	1	0	0	0	0	1
Ra	0	0	0	1	3	0	0	0	1	5
Rb	4	0	1	2	13	2	1	0	4	27
P	10	1	0	0	0	1	0	0	0	12
Rx	0	0	0	0	0	0	0	0	1	1
Colon	0	0	1	1	1	0	1	5	7	16
Rectum	14	1	1	3	17	3	1	0	6	46
Total	14	1	2	4	18	3	2	5	13	62

Table 54
Modality of principal treatment

Site	Histology									Total
	sq	as	ud	OEM	cd	MM	LMS	NHL	OTH	
None	0	0	0	0	0	0	0	0	0	0
Surgery	12	0	2	4	18	3	2	5	13	59
Chemotherapy(CT)	0	0	0	0	0	0	0	0	0	0
Radiation(RT)	1	1	0	0	0	0	0	0	0	2
RT+CT	1	0	0	0	0	0	0	0	0	1
Total	14	1	2	4	18	3	2	5	13	62

Table 55

DI

DI	Histology									Total
	sq	as	ud	OEM	cd	MM	LMS	NHL	OTH	
m	0	0	0	0	1	0	0	0	4	5
sm	0	0	0	2	8	1	0	0	2	13
mp	2	0	1	0	2	1	1	1	0	8
ss/a1	2	0	0	0	2	0	0	0	1	5
se/a2	3	0	1	1	0	1	0	2	0	8
si/ai	4	0	0	1	0	0	0	0	1	6
x	3	1	0	0	5	0	1	2	5	17
Total	14	1	2	4	18	3	2	5	13	62

Table 56
Lymph node metastasis, histological

Lymph node	Histology									Total
	sq	as	ud	OEM	cd	MM	LMS	NHL	OTH	
n0	8	0	1	0	6	0	1	3	9	28
n1	1	0	0	2	0	0	0	0	0	3
n2	2	0	1	0	2	3	0	1	0	9
n3	0	0	0	0	1	0	0	0	1	2
n4	1	0	0	0	0	0	0	0	0	1
nX	2	1	0	2	9	0	1	1	3	19
Total	14	1	2	4	18	3	2	5	13	62

Table 57
Tumor size (mm)

Size (mm)	Histology									Total
	sq	as	ud	OEM	cd	MM	LMS	NHL	OTH	
<=20	1	0	1	2	11	1	0	0	6	22
21-40	3	0	1	1	2	1	1	0	0	9
41-60	4	0	0	1	1	0	0	0	2	8
61-80	1	0	0	0	0	0	0	2	0	3
>80	1	0	0	0	0	0	0	2	0	3
X	4	1	0	0	4	1	1	1	5	17
Total	14	1	2	4	18	3	2	5	13	62

Table 58
Curability of surgical resection, histological

Curability	Histology									Total
	sq	as	ud	OEM	cd	MM	LMS	NHL	OTH	
cur A	5	0	1	3	11	1	2	4	10	37
cur B	2	0	0	0	0	0	0	0	1	3
cur C	1	0	1	1	2	1	0	0	0	6
Not resected	3	0	0	0	0	0	0	0	1	4
X	3	1	0	0	5	1	0	1	1	12
Total	14	1	2	4	18	3	2	5	13	62

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