

Multi-Institutional Registry of Large Bowel Cancer
in Japan

Vol. 31
Cases treated in 2005

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31号（Multi-Institutional Registry of Large Bowel Cancer in Japan. Vol.31）をお届けします。本号は2005年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癌悪性腫瘍6658例の調査報告書です。報告書に収められている表の番号と集計項目は、第28号（1999年治療例）から第30号（2003～2004年治療例）の各号とまったく同じものです。

2013年秋の臨時国会においてがん登録の法制化がいよいよ実現する見込みです。がん登録を全国の医療機関に義務化することで、全数調査によってわが国のがんの罹患や生存の実態を把握し、以ってがん対策、治療法の開発等の基礎データに資することを目的とするものです。この法律が規定するがん登録には、大腸癌登録をはじめとする研究者主導の臓器がん登録は含まれませんが、がん登録が全国展開されることによって臓器がん登録の精度（とりわけ予後情報）も向上することが期待されます。一方、法制化されたがん登録の仕組みのなかで、臓器がん登録の第一義的な目的である「登録情報の利活用を通じての国民へのフィードバック」を果たしてゆくためには、網羅性も確保した登録に向けてのインフラ整備が必要と考えており、その具体的な方策として National Clinical Database (NCD) への登録・管理の移管を検討中です。

会員諸氏におかれましては、本登録の意義をご理解いただきまして、登録へのご協力をお願い申し上げます。

本登録は、大腸癌研究会のほかに、がん研究開発費（23-A-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。

2013年10月

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 vermiformis	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 2005

Descriptive data

Table 1-1

Histological type, site and sex

History	Site	Males	Females	Total
Adenocarcinoma	Colon	2,165	1,758	3,923
	Rectum	1,471	891	2,362
	Unkown	62	26	88
	Total	3,698	2,675	6,373
Other malignancies	Colon	22	10	32
	Rectum	25	32	57
	Unkown	2	0	2
	Total	49	42	91
Unkown	Colon	54	38	92
	Rectum	48	35	83
	Unkown	11	8	19
	Total	113	81	194
Grand total		3,860	2,798	6,658

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

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

A total of 109 patients with a malignancy of unknown site was excluded from subsequent analysis.

Table 1-2

Number of patients treated by surgery

Histology and site of the tumor

History	Site	Surgery		Total	
		Yes	No		
Adenocarcinoma	Colon	3,921	(258)	2	3,923
	Rectum	2,360	(142)	2	2,362
	Total	6,281	(400)	4	6,285
Other malignancies	Colon	32	(1)	0	32
	Rectum	57	(9)	0	57
	Total	89	(10)	0	89
Unknown	Colon	92	(25)	0	92
	Rectum	82	(9)	1	83
	Total	174	(34)	1	175
Grand total		6,544	(444)	5	6,549

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

A total of 212 patients with a malignancy of unknown histology (175 patients) and age at treatment (37 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	3,599	2,181	5,780	29	47	76
Endoscopic excision	258	141	399	1	9	10
Radiation(RT)	0	0	0	0	0	0
Chemotherapy(CT)	12	8	20	1	0	1
RT+CT	0	2	2	0	0	0
OTH	4	3	7	0	0	0
No treatment	24	17	41	1	0	1
Total	3,897	2,352	6,249	32	56	88

Modalities regarded as the most effective and beneficial treatment for cancer.

A total of 219 patients who had surgery after endoscopic treatment were classified in the "Endoscopic excision" in this report.

Adenocarcinoma

I)	All	6,249	cases
II)	Surgery	5,846	cases
III)	Surgical resection	5,808	cases
IV)	Endoscopic excision	399	cases
V)	Surgery after endoscopic excision	219	cases

A total of 219 patients who had surgery after endoscopic treatment were classified in the "Endoscopic excision" in this report, although they should be classified into "Surgery" group. Their information about surgery was described independently in detail (pp.58-64)

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	
V	0	0	0	2	2	0	1	1	0	6
C	0	0	8	6	38	65	77	28	4	226
A	0	1	3	23	49	116	155	69	6	422
T	0	0	4	10	43	102	112	36	4	311
D	0	1	3	5	29	58	64	14	0	174
S	0	1	9	44	190	342	353	72	2	1,013
Rs	0	0	4	27	105	160	137	25	0	458
Ra	0	3	8	18	92	151	123	24	3	422
Rb	0	2	14	40	148	168	142	42	2	558
P	0	0	0	1	2	8	11	3	1	26
Colon	0	3	27	90	351	683	762	220	16	2,152
Rectum	0	5	26	86	347	487	413	94	6	1,464
Total	0	8	53	176	698	1,170	1,175	314	22	3,616

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	
V	0	1	1	2	7	1	6	2	0	20
C	0	1	3	8	28	66	86	47	2	241
A	1	0	2	14	62	113	175	71	8	446
T	0	0	6	12	39	76	75	51	5	264
D	0	1	1	7	28	27	28	13	0	105
S	0	4	16	47	137	205	188	66	6	669
Rs	0	1	8	21	70	95	75	27	3	300
Ra	0	0	3	21	55	80	69	21	1	250
Rb	0	2	10	29	89	88	66	28	5	317
P	0	0	1	1	3	3	9	4	0	21
Colon	1	7	29	90	301	488	558	250	21	1,745
Rectum	0	3	22	72	217	266	219	80	9	888
Total	1	10	51	162	518	754	777	330	30	2,633

Table 4-1

Family history of CRC, by site

Site	Family history of CRC			Total
	No	Yes	X	
V	16	2	8	26
C	320	37	110	467
A	620	59	189	868
T	377	43	155	575
D	191	20	68	279
S	1,179	122	381	1,682
Rs	528	56	174	758
Ra	483	56	133	672
Rb	616	76	183	875
P	35	1	11	47
Colon	2,703	283	911	3,897
Rectum	1,662	189	501	2,352
Total	4,365	472	1,412	6,249

Table 4-2

Family history of CRC, by age

Age	Family history of CRC			Total
	No	Yes	X	
<20	0	1	0	1
20-29	8	6	4	18
30-39	61	16	27	104
40-49	223	40	75	338
50-59	835	108	273	1,216
60-69	1,345	147	432	1,924
70-79	1,417	115	420	1,952
80-89	442	37	165	644
90-99	34	2	16	52
Total	4,365	472	1,412	6,249

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	2	0	0	0	0	2
C	31	5	0	0	1	37
A	47	7	1	1	3	59
T	39	2	1	0	1	43
D	18	1	0	0	1	20
S	92	21	2	0	7	122
Rs	42	5	0	1	8	56
Ra	42	4	1	1	8	56
Rb	62	8	0	0	6	76
P	1	0	0	0	0	1
Colon	229	36	4	1	13	283
Rectum	147	17	1	2	22	189
Total	376	53	5	3	35	472

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	1	0	0	0	2
C	10	7	18	1	3	2	41
A	12	14	29	4	3	3	65
T	10	9	18	1	2	6	46
D	2	5	11	1	1	1	21
S	34	31	51	4	3	11	134
Rs	17	14	23	2	1	5	62
Ra	20	10	19	2	3	3	57
Rb	24	13	26	3	6	8	80
P	0	1	0	0	0	0	1
Colon	69	66	128	11	12	23	309
Rectum	61	38	68	7	10	16	200
Total	130	104	196	18	22	39	509

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	13	6	7	26
C	241	107	119	467
A	459	203	206	868
T	289	125	161	575
D	160	48	71	279
S	922	363	397	1,682
Rs	413	156	189	758
Ra	371	164	137	672
Rb	463	221	191	875
P	21	14	12	47
Colon	2,084	852	961	3,897
Rectum	1,268	555	529	2,352
Total	3,352	1,407	1,490	6,249

Table 5-2

Family history of cancers other than CRC, by age

Age	Family history of other cancers			Total
	No	Yes	X	
<20	0	1	0	1
20-29	8	6	4	18
30-39	52	24	28	104
40-49	173	87	78	338
50-59	609	311	296	1,216
60-69	1,011	465	448	1,924
70-79	1,106	397	449	1,952
80-89	366	107	171	644
90-99	27	9	16	52
Total	3,352	1,407	1,490	6,249

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				X	Total
	1	2	3	>=4		
V	6	0	0	0	0	6
C	71	25	5	3	3	107
A	127	58	8	4	6	203
T	80	27	8	4	6	125
D	34	10	3	0	1	48
S	239	93	14	8	9	363
Rs	102	35	8	3	8	156
Ra	113	36	6	2	7	164
Rb	156	40	16	3	6	221
P	7	4	1	1	1	14
Colon	557	213	38	19	25	852
Rectum	378	115	31	9	22	555
Total	935	328	69	28	47	1,407

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	1	1	0	0	0	6
C	36	28	52	4	2	6	128
A	75	52	82	13	12	12	246
T	41	32	53	7	7	6	146
D	14	12	16	1	5	8	56
S	147	99	131	10	16	34	437
Rs	67	40	57	3	10	10	187
Ra	66	48	49	4	12	11	190
Rb	72	58	70	8	21	19	248
P	6	3	7	2	0	1	19
Colon	317	224	335	35	42	66	1,019
Rectum	211	149	183	17	43	41	644
Total	528	373	518	52	85	107	1,663

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									Total
	None	Adeno- ma	Adenom- atosis	Ulcer- ative colitis	Crohn's disease	Radiat- ion colitis	Anal fistula	OTH	X	
V	19	0	0	0	0	0	0	1	6	26
C	375	11	0	1	1	0	4	30	48	470
A	657	29	1	2	0	0	7	78	98	872
T	415	28	0	0	0	0	6	39	88	576
D	226	11	1	0	0	0	3	10	32	283
S	1,290	54	1	7	1	0	21	84	231	1,689
Rs	579	13	1	4	0	0	9	43	110	759
Ra	551	12	2	3	0	1	5	36	64	674
Rb	673	21	2	4	0	1	11	40	127	879
P	27	2	0	0	0	0	4	3	13	49
Colon	2,982	133	3	10	2	0	41	242	503	3,916
Rectum	1,830	48	5	11	0	2	29	122	314	2,361
Total	4,812	181	8	21	2	2	70	364	817	6,277

Table 6-2

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

Age	Past history									Total
	None	Adeno- ma	Adenom- atosis	Ulcer- ative colitis	Crohn's disease	Radiat- ion colitis	Anal fistula	OTH	X	
<20	1	0	0	0	0	0	0	0	0	1
20-29	14	0	0	1	0	0	0	0	3	18
30-39	77	5	0	4	0	0	1	1	17	105
40-49	267	5	4	4	0	0	1	18	41	340
50-59	917	30	1	7	0	0	16	75	176	1,222
60-69	1,460	55	0	3	0	2	18	124	270	1,932
70-79	1,508	65	3	2	1	0	31	117	234	1,961
80-89	525	20	0	0	1	0	3	26	71	646
90-99	43	1	0	0	0	0	0	3	5	52
Total	4,812	181	8	21	2	2	70	364	817	6,277

Table 7-1
Measurement of serum carcinoembryonic antigen (CEA), preoperative

Site	Serum CEA			X	Total
	Examined	Not examined			
V	21	3		2	26
C	415	24		28	467
A	772	47		49	868
T	498	28		49	575
D	239	15		25	279
S	1,425	113		144	1,682
Rs	659	41		58	758
Ra	609	22		41	672
Rb	763	42		70	875
P	38	5		4	47
Colon	3,370	230		297	3,897
Rectum	2,069	110		173	2,352
Total	5,439	340		470	6,249

Table 7-2
Serum CEA value, preoperative

Site	Serum CEA value					Total
	Normal	<2	<4	<8	>=8	
V	14	2	0	2	3	21
C	254	61	30	26	44	415
A	474	119	63	42	74	772
T	271	85	52	30	60	498
D	152	42	19	12	14	239
S	830	248	121	73	153	1,425
Rs	356	113	78	41	71	659
Ra	334	106	71	31	67	609
Rb	467	132	65	41	58	763
P	20	5	4	4	5	38
Colon	1,995	557	285	185	348	3,370
Rectum	1,177	356	218	117	201	2,069
Total	3,172	913	503	302	549	5,439

Table 8-1

Multiple primary cancers, by sex

Multiple primary cancers	Males	Females	Total
No	2,869	2,179	5,048
Synchronous	211	91	302
Metachronous	293	201	494
Synchronous and metachronous	32	9	41
X	211	153	364
Total	3,616	2,633	6,249

Table 8-2

Synchronous multiple primary cancers (multi-answers)

Organ	Synchronous cancer		Total
	Males	Females	
Oral cavity	2	0	2
Pharynx and larynx	5	1	6
Esophagus	12	1	13
Stomach	78	18	96
Small intestine	1	0	1
Liver	22	15	37
Biliary tree	6	5	11
Pancreas	4	2	6
Lung	23	8	31
Breast	0	10	10
Uterine cervix	0	3	3
Uterine corpus	0	3	3
Uterus, NOS	0	1	1
Vagina	0	0	0
Ovary	0	8	8
Prostate	24	0	24
Kidney	11	3	14
Bladder	4	2	6
Hematopoietic system	6	3	9
Bone and soft tissue	0	1	1
Nervous system	2	0	2
Thyroid	2	3	5
Skin	3	1	4
OTH	3	5	8
Total	208	93	301

Table 8-3
Metachronous multiple primary cancers (multi-answers)

Organ	Metachronous cancer		Total
	Males	Females	
Oral cavity	10	2	12
Pharynx and larynx	10	1	11
Esophagus	19	4	23
Stomach	93	45	138
Small intestine	0	1	1
Liver	14	12	26
Biliary tree	7	2	9
Pancreas	7	5	12
Lung	40	13	53
Breast	2	49	51
Uterine cervix	0	7	7
Uterine corpus	0	22	22
Uterus, NOS	1	10	11
Vagina	0	0	0
Ovary	0	6	6
Prostate	41	2	43
Kidney	15	4	19
Bladder	24	7	31
Hematopoietic system	9	7	16
Bone and soft tissue	1	0	1
Nervous system	0	0	0
Thyroid	2	10	12
Skin	8	0	8
OTH	14	6	20
Total	317	215	532

Table 8-4
Number of organs of multiple primary cancers

Multiple primary cancers	Number of organs					Total
	1	2	3	4	X	
Synchronous	272	17	2	0	11	302
Metachronous	429	46	5	2	12	494
Synchronous and metachronous	9	26	3	1	2	41
X	27	1	0	0	336	364
Total	737	90	10	3	361	1,201

Table 9-1

Metachronous multiple CRC, by sex

Sex	Metachronous CRC					Total
	No	Early cancer	Advanced cancer	Both	X	
Males	3,289	39	78	2	208	3,616
Females	2,451	23	25	2	132	2,633
Total	5,740	62	103	4	340	6,249

Table 9-2

Metachronous multiple CRC, by age

Age	Metachronous CRC			Both	Total
	Early cancer	Advanced cancer			
20-29	0	0		0	0
30-39	0	3		0	3
40-49	0	4		1	5
50-59	6	11		1	18
60-69	25	29		0	54
70-79	24	41		2	67
80-89	7	12		0	19
90-100	0	3		0	3
Total	62	103		4	169

Table 9-3

Metachronous multiple CRC, by site

Site	Metachronous CRC			Both	Total
	Early cancer	Advanced cancer			
V	0	0		0	0
C	9	13		0	22
A	7	23		3	33
T	8	14		0	22
D	6	7		0	13
S	14	27		1	42
Rs	5	1		0	6
Ra	4	7		0	11
Rb	9	8		0	17
P	0	3		0	3
Colon	44	84		4	132
Rectum	18	19		0	37
Total	62	103		4	169

Table 9-4
Metachronous multiple CRC, by number of cancers

Number of cancers	Metachronous CRC			Total
	Early cancer	Advanced cancer	Both	
1	51	91	0	142
2	7	9	3	19
3	1	0	0	1
X	3	3	1	7
Total	62	103	4	169

Table 9-5
Metachronous multiple CRC, by site of metachronous cancer

Site	Metachronous CRC			Total
	Early cancer	Advanced cancer	Both	
Colon	37	66	4	107
Rectum	14	28	0	42
Both	3	2	0	5
Anal canal	0	2	0	2
OTH	1	0	0	1
X	7	5	0	12
Total	62	103	4	169

Table 10-1

Number of synchronous multiple CRC, by site

Site	Number of cancers							X	Total
	1	2	3	4	5	6	>=7		
V	22	1	0	0	0	0	0	3	26
C	405	18	9	0	2	0	1	20	455
A	717	39	21	3	0	5	0	33	818
T	468	30	4	4	0	1	0	37	544
D	224	12	12	1	1	0	1	15	266
S	1,306	80	44	12	1	1	2	82	1,528
Rs	634	15	10	4	4	0	1	39	707
Ra	587	24	8	2	0	0	0	28	649
Rb	716	33	17	2	0	0	0	38	806
P	40	1	0	0	0	0	0	6	47
Colon	3,142	180	90	20	4	7	4	190	3,637
Rectum	1,977	73	35	8	4	0	1	111	2,209
Total	5,119	253	125	28	8	7	5	301	5,846

Table 10-2

Number of synchronous multiple CRC, by age

Age	Number of cancers							X	Total
	1	2	3	4	5	6	>=7		
<20	1	0	0	0	0	0	0	0	1
20-29	12	1	1	0	0	0	2	2	18
30-39	88	5	2	0	0	0	1	5	101
40-49	286	4	6	0	0	0	1	18	315
50-59	993	41	19	6	0	0	0	67	1,126
60-69	1,573	68	32	10	3	5	1	100	1,792
70-79	1,582	95	53	7	5	1	0	81	1,824
80-89	541	32	11	5	0	1	0	28	618
90-99	43	7	1	0	0	0	0	0	51
Total	5,119	253	125	28	8	7	5	301	5,846

Table 10-3

Number of synchronous multiple CRC, males, by age

Age	Number of cancers							X	Total
	1	2	3	4	5	6	>=7		
<20	0	0	0	0	0	0	0	0	0
20-29	6	1	1	0	0	0	0	0	8
30-39	43	4	1	0	0	0	1	3	52
40-49	148	3	2	0	0	0	1	10	164
50-59	559	27	16	6	0	0	0	40	648
60-69	939	46	19	9	2	5	1	64	1.085
70-79	939	57	41	5	2	1	0	54	1.099
80-89	260	19	6	2	0	1	0	14	302
90-99	18	3	0	0	0	0	0	0	21
Total	2,912	160	86	22	4	7	3	185	3.379

Table 10-4

Number of synchronous multiple CRC, females, by age

Age	Number of cancers							X	Total
	1	2	3	4	5	6	>=7		
<20	1	0	0	0	0	0	0	0	1
20-29	6	0	0	0	0	0	2	2	10
30-39	45	1	1	0	0	0	0	2	49
40-49	138	1	4	0	0	0	0	8	151
50-59	434	14	3	0	0	0	0	27	478
60-69	634	22	13	1	1	0	0	36	707
70-79	643	38	12	2	3	0	0	27	725
80-89	281	13	5	3	0	0	0	14	316
90-99	25	4	1	0	0	0	0	0	30
Total	2.207	93	39	6	4	0	2	116	2.467

Table 11-1

Macroscopic type of tumor, by site

Site	Macroscopic type								Total
	Type 0	Type 1	Type 2	Type 3	Type 4	Type 5	OTH	X	
V	3	4	5	0	2	5	3	4	26
C	61	56	268	38	2	15	2	13	455
A	86	68	528	91	0	9	4	32	818
T	60	39	352	52	1	5	1	34	544
D	37	11	169	31	2	4	1	11	266
S	140	130	1,034	124	14	12	9	65	1,528
Rs	44	67	500	54	4	9	4	25	707
Ra	41	46	483	41	7	6	4	21	649
Rb	91	59	526	63	8	20	5	34	806
P	1	4	18	9	0	10	1	4	47
Colon	387	308	2,356	336	21	50	20	159	3,637
Rectum	177	176	1,527	167	19	45	14	84	2,209
Total	564	484	3,883	503	40	95	34	243	5,846

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	Ila	Ila+Ilc	Ilb	Ilc	Ilc+Ila	OTH	X	
V	0	0	0	3	0	0	0	0	0	0	3
C	4	13	13	18	6	0	1	0	4	2	61
A	5	21	11	19	9	0	10	1	4	6	86
T	3	12	5	17	12	0	8	0	1	2	60
D	2	7	6	5	11	0	3	0	1	2	37
S	22	43	17	19	17	1	5	3	3	10	140
Rs	5	11	10	4	3	0	3	1	3	4	44
Ra	1	11	12	8	5	0	2	0	1	1	41
Rb	5	24	17	28	5	1	4	0	6	1	91
P	0	1	0	0	0	0	0	0	0	0	1
Colon	36	96	52	81	55	1	27	4	13	22	387
Rectum	11	47	39	40	13	1	9	1	10	6	177
Total	47	143	91	121	68	2	36	5	23	28	564

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

- Type 0 Protruded type
 - Ip Pedunculated type
 - Isp Semipedunculated type
 - Is Sessile type
- Type 0 II Superficial type
 - Ila Superficial elevated type
 - Ilb Superficial flat type
 - Ilc 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							Total
	Dorsal or post.	Ventral or ant.	Medial or right	Lateral or left	Circular	OTH	X	
V	3	1	0	0	10	4	8	26
C	66	80	20	16	121	65	87	455
A	122	115	41	28	224	152	136	818
T	80	55	14	10	187	73	125	544
D	36	22	7	10	100	41	50	266
S	220	165	54	33	452	265	339	1,528
Rs	101	112	32	39	199	107	117	707
Ra	99	111	30	42	188	98	81	649
Rb	167	155	79	81	129	72	123	806
P	9	5	8	2	8	6	9	47
Colon	527	438	136	97	1,094	600	745	3,637
Rectum	376	383	149	164	524	283	330	2,209
Total	903	821	285	261	1,618	883	1,075	5,846

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	1	0	2	11	4	5	26
C	84	84	43	55	117	16	56	455
A	151	125	100	114	227	21	80	818
T	95	67	52	64	194	5	67	544
D	53	25	21	29	100	7	31	266
S	289	188	159	204	455	26	207	1,528
Rs	97	109	104	104	197	7	89	707
Ra	108	104	99	105	166	14	53	649
Rb	178	140	140	124	122	14	88	806
P	8	11	5	6	5	4	8	47
Colon	675	490	375	468	1,104	79	446	3,637
Rectum	391	364	348	339	490	39	238	2,209
Total	1,066	854	723	807	1,594	118	684	5,846

Table 13-2

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

Site	Tumor size (mm)						X	Total
	<=20	21-40	41-60	61-80	81-100	>100		
V	3	8	4	3	2	0	6	26
C	47	124	132	53	24	8	67	455
A	111	219	219	106	46	24	93	818
T	73	177	127	49	20	12	86	544
D	36	92	57	23	10	6	42	266
S	215	464	411	142	40	25	231	1,528
Rs	59	199	199	94	21	14	121	707
Ra	50	185	194	92	30	8	90	649
Rb	88	209	207	113	32	22	135	806
P	0	15	13	5	2	2	10	47
Colon	485	1,084	950	376	142	75	525	3,637
Rectum	197	608	613	304	85	46	356	2,209
Total	682	1,692	1,563	680	227	121	881	5,846

Table 13-3

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

DI	Tumor size (mm)						X	Total
	<=20	21-40	41-60	61-80	81-100	>100		
m	78	103	27	4	1	1	54	268
sm	266	143	23	9	1	4	120	566
mp	150	349	113	23	3	11	97	746
ss/a1	143	760	817	342	89	48	370	2,569
se/a2	39	284	474	230	83	33	154	1,297
si/ai	6	49	103	66	48	23	53	348
X	0	4	6	6	2	1	33	52
Total	682	1,692	1,563	680	227	121	881	5,846

Table 14-1

Metastasis, peritoneum

Site	Peritoneal metastasis					Total
	P0	P1	P2	P3	PX	
V	19	3	0	4	0	26
C	415	20	11	9	0	455
A	755	22	16	21	4	818
T	505	19	8	7	5	544
D	253	3	3	4	3	266
S	1,440	38	26	17	7	1,528
Rs	672	17	6	8	4	707
Ra	630	13	2	2	2	649
Rb	790	4	2	3	7	806
P	45	0	1	0	1	47
Colon	3,387	105	64	62	19	3,637
Rectum	2,137	34	11	13	14	2,209
Total	5,524	139	75	75	33	5,846

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	22	1	1	1	1	26
C	403	21	10	21	0	455
A	723	38	13	39	5	818
T	489	20	7	27	1	544
D	234	6	8	18	0	266
S	1,306	66	31	117	8	1,528
Rs	608	33	19	39	8	707
Ra	556	34	17	39	3	649
Rb	733	22	16	28	7	806
P	45	0	1	0	1	47
Colon	3,177	152	70	223	15	3,637
Rectum	1,942	89	53	106	19	2,209
Total	5,119	241	123	329	34	5,846

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	19	2	0	2	3	26
C	414	11	2	7	21	455
A	754	10	2	9	43	818
T	514	6	2	2	20	544
D	242	3	1	0	20	266
S	1,388	23	8	18	91	1,528
Rs	646	13	5	8	35	707
Ra	595	15	4	9	26	649
Rb	728	13	7	16	42	806
P	42	1	0	0	4	47
Colon	3,331	55	15	38	198	3,637
Rectum	2,011	42	16	33	107	2,209
Total	5,342	97	31	71	305	5,846

LM0 No pulmonary metastasis

LM1 Metastasis only to one lobe

LM2 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								Total
	M(-)	Bone	Brain	Adrenal	Skin	Virchow	OTH	X	
V	21	1	0	0	0	0	1	3	26
C	431	3	0	0	0	0	8	13	455
A	773	0	1	1	1	1	11	30	818
T	507	0	0	0	0	1	7	29	544
D	254	0	0	0	0	0	3	9	266
S	1,426	5	0	1	0	5	24	67	1,528
Rs	666	3	1	0	0	0	9	28	707
Ra	626	3	2	0	0	0	10	8	649
Rb	757	1	2	0	0	0	16	30	806
P	41	2	1	0	1	0	1	1	47
Colon	3,412	9	1	2	1	7	54	151	3,637
Rectum	2,090	9	6	0	1	0	36	67	2,209
Total	5,502	18	7	2	2	7	90	218	5,846

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	7	8	2	8	1	0	26
C	220	189	24	20	1	1	455
A	357	377	46	31	2	5	818
T	270	217	25	26	0	6	544
D	131	122	9	4	0	0	266
S	710	726	45	30	1	16	1,528
Rs	337	328	20	17	1	4	707
Ra	266	341	17	20	2	3	649
Rb	350	390	38	23	1	4	806
P	10	24	3	9	1	0	47
Colon	1,695	1,639	151	119	5	28	3,637
Rectum	963	1,083	78	69	5	11	2,209
Total	2,658	2,722	229	188	10	39	5,846

w/d well-differentiated adenocarcinoma
m/d moderately differentiated adenocarcinoma
p/d poorly differentiated adenocarcinoma
muc mucinous carcinoma
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	1	1	2	5	6	8	3	26
C	31	50	47	130	132	54	11	455
A	31	76	78	298	222	83	30	818
T	26	54	55	178	156	49	26	544
D	9	33	18	84	73	32	17	266
S	29	151	165	516	438	157	72	1.528
Rs	11	49	84	248	217	72	26	707
Ra	13	44	84	255	189	43	21	649
Rb	45	74	130	264	194	64	35	806
P	2	0	4	14	13	8	6	47
Colon	127	365	365	1,211	1,027	383	159	3.637
Rectum	71	167	302	781	613	187	88	2.209
Total	198	532	667	1,992	1,640	570	247	5.846

Intestine 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

Intestine without serosa, macroscopic

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	Tumor invasion of other organs or structures

Table 16-2

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

Site	DI						X	Total
	m	sm	mp	ss/a1	se/a2	si/ai		
V	1	1	2	6	5	9	2	26
C	37	49	51	182	100	35	1	455
A	49	75	70	383	183	52	6	818
T	42	48	50	253	118	31	2	544
D	14	32	27	121	56	13	3	266
S	36	166	189	728	314	83	12	1,528
Rs	22	53	85	341	159	41	6	707
Ra	15	49	104	279	168	29	5	649
Rb	52	92	161	258	181	48	14	806
P	0	1	7	18	13	7	1	47
Colon	179	371	389	1,673	776	223	26	3,637
Rectum	89	195	357	896	521	125	26	2,209
Total	268	566	746	2,569	1,297	348	52	5,846

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, histological

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	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					X	Total
	1	2	3	4			
V	6	2	0	0		1	9
C	27	6	2	0		0	35
A	39	4	2	0		7	52
T	25	1	1	0		4	31
D	10	1	0	0		2	13
S	61	10	1	0		11	83
Rs	30	2	2	0		7	41
Ra	23	2	1	1		2	29
Rb	34	3	2	0		9	48
P	5	2	0	0		0	7
Colon	168	24	6	0		25	223
Rectum	92	9	5	1		18	125
Total	260	33	11	1		43	348

Table 18-1

Lymph node metastasis, macroscopic, by site

Site	Lymph node metastasis						Total
	N0	N1	N2	N3	N4	NX	
V	10	4	6	0	2	4	26
C	207	121	90	23	10	4	455
A	388	228	133	32	26	11	818
T	293	134	77	17	11	12	544
D	135	85	33	5	3	5	266
S	770	449	197	31	43	38	1,528
Rs	326	248	82	18	11	22	707
Ra	295	230	82	12	20	10	649
Rb	422	190	101	47	12	34	806
P	20	9	9	4	2	3	47
Colon	1,803	1,021	536	108	95	74	3,637
Rectum	1,063	677	274	81	45	69	2,209
Total	2,866	1,698	810	189	140	143	5,846

- 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 18-2

Lymph node metastasis, histological, by site

Site	Lymph node metastasis						Total
	n0	n1	n2	n3	n4	nX	
V	9	5	7	1	1	3	26
C	258	96	58	26	5	12	455
A	463	181	94	27	13	40	818
T	316	120	58	17	7	26	544
D	169	53	28	2	2	12	266
S	850	367	181	25	23	82	1,528
Rs	349	210	70	18	14	46	707
Ra	301	207	83	7	14	37	649
Rb	427	146	101	54	12	66	806
P	24	7	8	4	2	2	47
Colon	2,065	822	426	98	51	175	3,637
Rectum	1,101	570	262	83	42	151	2,209
Total	3,166	1,392	688	181	93	326	5,846

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	235	2	0	0	3	28	268
sm	462	54	11	0	2	37	566
mp	545	121	35	8	3	34	746
ss/a1	1,372	693	290	64	27	123	2,569
se/a2	416	435	270	79	50	47	1,297
si/ai	131	82	75	29	7	24	348
X	5	5	7	1	1	33	52
Total	3,166	1,392	688	181	93	326	5,846

Table 18-4

Lymph node metastasis, histological, by DI, colon

DI	Lymph node metastasis						Total
	n0	n1	n2	n3	n4	nX	
m	169	2	0	0	1	7	179
sm	312	31	9	0	0	19	371
mp	289	57	21	2	2	18	389
ss/a1	950	425	179	37	14	68	1,673
se/a2	261	245	161	47	29	33	776
si/ai	82	59	54	11	4	13	223
X	2	3	2	1	1	17	26
Total	2,065	822	426	98	51	175	3,637

Table 18-5

Lymph node metastasis, histological, by DI, rectum

DI	Lymph node metastasis						Total
	n0	n1	n2	n3	n4	nX	
m	66	0	0	0	2	21	89
sm	150	23	2	0	2	18	195
mp	256	64	14	6	1	16	357
ss/a1	422	268	111	27	13	55	896
se/a2	155	190	109	32	21	14	521
si/ai	49	23	21	18	3	11	125
X	3	2	5	0	0	16	26
Total	1,101	570	262	83	42	151	2,209

Table 19-1

Lymphatic invasion, by site

Site	Lymphatic invasion						Total
	ly0	ly1	ly2	ly3	ly(+)	X	
V	10	8	3	3	0	2	26
C	173	155	89	27	0	11	455
A	295	307	132	48	0	36	818
T	210	200	83	30	0	21	544
D	103	98	43	10	0	12	266
S	541	604	232	75	0	76	1,528
Rs	237	285	112	33	2	38	707
Ra	207	267	110	37	0	28	649
Rb	323	274	121	43	0	45	806
P	15	15	9	5	0	3	47
Colon	1,332	1,372	582	193	0	158	3,637
Rectum	782	841	352	118	2	114	2,209
Total	2,114	2,213	934	311	2	272	5,846

Table 19-2

Lymphatic invasion, by DI, colon

DI	Lymphatic invasion						Total
	ly0	ly1	ly2	ly3	ly(+)	X	
m	173	0	1	0	0	5	179
sm	235	97	12	1	0	26	371
mp	187	150	29	9	0	14	389
ss/a1	529	745	276	57	0	66	1,673
se/a2	162	300	206	92	0	16	776
si/ai	45	78	53	34	0	13	223
X	1	2	5	0	0	18	26
Total	1,332	1,372	582	193	0	158	3,637

Table 19-3

Lymphatic invasion, by DI, rectum

DI	Lymphatic invasion						Total
	ly0	ly1	ly2	ly3	ly(+)	X	
m	82	4	0	0	0	3	89
sm	119	58	5	1	0	12	195
mp	160	142	31	7	1	16	357
ss/a1	277	380	157	38	1	43	896
se/a2	108	211	132	57	0	13	521
si/ai	31	44	25	15	0	10	125
X	5	2	2	0	0	17	26
Total	782	841	352	118	2	114	2,209

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	13	4	5	2	0	2	26
C	208	142	71	23	0	11	455
A	309	296	128	47	0	38	818
T	211	190	89	31	0	23	544
D	101	97	44	13	0	11	266
S	514	587	242	110	0	75	1,528
Rs	215	258	141	53	1	39	707
Ra	177	227	150	65	0	30	649
Rb	238	266	172	82	0	48	806
P	19	16	6	4	0	2	47
Colon	1,356	1,316	579	226	0	160	3,637
Rectum	649	767	469	204	1	119	2,209
Total	2,005	2,083	1,048	430	1	279	5,846

Table 20-2

Venous invasion, by DI, colon

DI	Venous invasion						Total
	v0	v1	v2	v3	v(+)	X	
m	172	0	1	0	0	6	179
sm	258	82	7	0	0	24	371
mp	199	145	24	6	0	15	389
ss/a1	515	698	295	100	0	65	1,673
se/a2	180	310	178	90	0	18	776
si/ai	30	78	72	29	0	14	223
X	2	3	2	1	0	18	26
Total	1,356	1,316	579	226	0	160	3,637

Table 20-3

Venous invasion, by DI, rectum

DI	Venous invasion						Total
	v0	v1	v2	v3	v(+)	X	
m	86	0	0	0	0	3	89
sm	123	48	9	0	0	15	195
mp	138	148	45	9	1	16	357
ss/a1	208	335	222	87	0	44	896
se/a2	66	193	164	84	0	14	521
si/ai	23	42	26	24	0	10	125
X	5	1	3	0	0	17	26
Total	649	767	469	204	1	119	2,209

- v0 Noveous 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	24	0	2	26
C	444	1	10	455
A	787	1	30	818
T	522	1	21	544
D	258	0	8	266
S	1,475	0	53	1,528
Rs	681	0	26	707
Ra	627	0	22	649
Rb	763	2	41	806
P	44	0	3	47
Colon	3,510	3	124	3,637
Rectum	2,115	2	92	2,209
Total	5,625	5	216	5,846

Table 21-2

Tumor invasion of surgical margin, macroscopic, by site

Site	Distal cut end (AW)			Total
	AW(-)	AW(+)	X	
V	24	0	2	26
C	445	1	9	455
A	786	1	31	818
T	522	1	21	544
D	257	0	9	266
S	1,474	1	53	1,528
Rs	680	0	27	707
Ra	623	3	23	649
Rb	762	3	41	806
P	44	0	3	47
Colon	3,508	4	125	3,637
Rectum	2,109	6	94	2,209
Total	5,617	10	219	5,846

Table 21-3

Tumor invasion of surgical margin, macroscopic, by site

Site	Surgical cut end (EW)			Total
	EW(-)	EW(+)	X	
V	22	1	3	26
C	384	11	60	455
A	698	21	99	818
T	470	16	58	544
D	242	3	21	266
S	1,298	29	201	1,528
Rs	610	21	76	707
Ra	568	20	61	649
Rb	719	25	62	806
P	44	0	3	47
Colon	3,114	81	442	3,637
Rectum	1,941	66	202	2,209
Total	5,055	147	644	5,846

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	5	9	8	26
C	94	145	96	120	455
A	96	213	313	196	818
T	92	156	154	142	544
D	43	109	53	61	266
S	272	617	263	376	1,528
Rs	52	233	260	162	707
Ra	34	134	320	161	649
Rb	55	67	444	240	806
P	6	2	16	23	47
Colon	601	1,245	888	903	3,637
Rectum	147	436	1,040	586	2,209
Total	748	1,681	1,928	1,489	5,846

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	7	8	8	26
C	65	136	136	118	455
A	110	257	257	194	818
T	102	199	105	138	544
D	50	105	50	61	266
S	389	557	207	375	1,528
Total	719	1,261	763	894	3,637

Table 21-6

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

Site	Distance between tumor and distal cut end (mm)							X	Total
	<=10	11-20	21-30	31-40	41-50	51-60	>60		
Rs	20	65	104	91	106	67	103	151	707
Ra	43	124	165	74	56	17	40	130	649
Rb	146	154	101	57	66	30	36	216	806
P	10	3	6	3	1	0	1	23	47
Total	219	346	376	225	229	114	180	520	2,209

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	281	209	103		8	601
51-100	278	654	311		2	1,245
>100	151	388	346		3	888
X	9	10	3		881	903
Total	719	1.261	763		894	3,637

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	49	17	15	11	14	6	34	1	147
51-100	34	80	93	58	64	39	65	3	436
>100	122	223	252	150	146	66	77	4	1,040
X	14	26	16	6	5	3	4	512	586
Total	219	346	376	225	229	114	180	520	2,209

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

Distak 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	23	0	3	26
C	451	1	3	455
A	807	1	10	818
T	539	1	4	544
D	263	0	3	266
S	1,503	1	24	1,528
Rs	696	0	11	707
Ra	638	0	11	649
Rb	775	3	28	806
P	43	0	4	47
Colon	3,586	4	47	3,637
Rectum	2,152	3	54	2,209
Total	5,738	7	101	5,846

Table 21-10

Tumor invasion of surgical margin, histological, by site

Site	Distal cut end (aw)			Total
	aw(-)	aw(+)	X	
V	22	1	3	26
C	451	2	2	455
A	807	1	10	818
T	539	1	4	544
D	262	0	4	266
S	1,491	8	29	1,528
Rs	693	1	13	707
Ra	631	7	11	649
Rb	766	8	32	806
P	43	0	4	47
Colon	3,572	13	52	3,637
Rectum	2,133	16	60	2,209
Total	5,705	29	112	5,846

Table 21-11

Tumor invasion of surgical margin, histological, by site

Site	Surgical cut end (ew)		X	Total
	ew(-)	ew(+)		
V	18	3	5	26
C	390	15	50	455
A	705	25	88	818
T	482	13	49	544
D	242	7	17	266
S	1,306	48	174	1,528
Rs	616	25	66	707
Ra	571	28	50	649
Rb	696	50	60	806
P	41	1	5	47
Colon	3,143	111	383	3,637
Rectum	1,924	104	181	2,209
Total	5,067	215	564	5,846

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		X	Total
	aw(-)	aw(+)		
ow(-)	5,703	23	12	5,738
ow(+)	1	6	0	7
X	1	0	100	101
Total	5,705	29	112	5,846

Table 21-13

Tumor invasion of surgical margin, histological

Proximal cut end	Surgical cut end			Total
	ew(-)	ew(+)	X	
ow(-)	5,061	211	466	5,738
ow(+)	3	3	1	7
X	3	1	97	101
Total	5,067	215	564	5,846

Table 21-14

Tumor invasion of surgical margin, histological

Distal cut end	Surgical cut end			Total
	ew(-)	ew(+)	X	
aw(-)	5,041	205	459	5,705
aw(+)	15	9	5	29
X	11	1	100	112
Total	5,067	215	564	5,846

Table 22-1

Histological examination of peritoneal metastasis, by site

Site	Histological or cytological examination			X	Total
	Not examined	Positive histology	Positive cytology		
V	15	5	1	5	26
C	293	47	30	85	455
A	498	76	48	196	818
T	337	38	21	148	544
D	193	12	19	42	266
S	914	103	101	410	1,528
Rs	440	42	46	179	707
Ra	417	38	42	152	649
Rb	524	29	41	212	806
P	32	2	1	12	47
Colon	2,250	281	220	886	3,637
Rectum	1,413	111	130	555	2,209
Total	3,663	392	350	1,441	5,846

Table 22-2

Histological examination of peritoneal metastasis

Peritoneal metastasis	Histological or cytological examination				X	Total
	Not examined	Positive histology	Positive cytology			
P0	3,557	288	304		1,375	5,524
P1	44	49	19		27	139
P2	22	27	13		13	75
P3	19	28	13		15	75
PX	21	0	1		11	33
Total	3,663	392	350		1,441	5,846

Table 23

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

Site	Additional and/or adjuvant therapy								OTH	X	Total
	Radiation				Chemotherapy						
	None	pre	intra	post	pre	intra	post				
V	13	0	0	0	0	0	10	0	3	26	
C	246	0	0	2	1	0	135	0	71	455	
A	437	0	0	0	1	0	247	1	133	819	
T	297	0	0	0	2	0	161	0	84	544	
D	145	0	0	0	1	0	83	1	37	267	
S	765	0	0	1	3	1	495	2	263	1,530	
Rs	337	0	0	1	1	0	259	2	109	709	
Ra	299	0	0	2	0	0	235	1	113	650	
Rb	382	11	2	2	3	0	255	0	151	806	
P	24	0	0	0	0	0	11	0	12	47	
Colon	1,903	0	0	3	8	1	1,131	4	591	3,641	
Rectum	1,042	11	2	5	4	0	760	3	385	2,212	
Total	2,945	11	2	8	12	1	1,891	7	976	5,853	

pre preoperative therapy
 intra intraoperative therapy
 post postoperative therapy

Table 24-1

Operative procedures, patients without tumor resection, by site

Site	Exploratory	Enterostomy				Bypass	OTH	Total
		Ileum	Right colon	Transverse	Left colon			
V	1	0	0	0	0	0	0	1
C	0	1	0	0	0	3	0	4
A	0	0	0	1	0	0	0	1
T	1	0	0	1	0	0	0	2
D	1	2	0	5	2	0	0	10
S	1	0	0	3	0	0	1	5
Rs	0	0	1	2	4	0	0	7
Ra	0	0	2	1	5	0	0	8
Rb	0	0	0	0	0	0	0	0
Colon	4	3	0	10	2	3	1	23
Rectum	0	0	3	3	9	0	0	15
Total	4	3	3	13	11	3	1	38

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	Laparoscopic surgery (LS)				X	Total
	No	Yes		OTH		
		LS only	LS assisted			
V	21	0	3	0	1	25
C	369	36	42	2	6	455
A	677	54	65	7	11	814
T	437	46	45	6	9	543
D	215	20	18	3	8	264
S	1,227	97	149	12	33	1,518
Rs	579	43	48	4	28	702
Ra	566	30	24	7	15	642
Rb	734	25	9	1	29	798
P	46	1	0	0	0	47
Colon	2,946	253	322	30	68	3,619
Rectum	1,925	99	81	12	72	2,189
Total	4,871	352	403	42	140	5,808

Table 24-3

Operative procedures

Polypectomy	trans-abdominal	0
	trans-anal	11
	trans-sacral	0
	trans-sphincteric	0
Tumorectomy	trans-abdominal	4
	trans-anal	71
	trans-sacral	1
	trans-sphincteric	2
Segmental resection	colon	116
	rectum	13
Appendectomy		1
Ileocecal resection		363
Ascending colectomy		94
Right hemicolectomy		960
Transverse colectomy		270
Descending colectomy		99
Left hemicolectomy		186
Sigmoidectomy		1,105
Subtotal colectomy		13
Total colectomy		14
Sphincter preserving operation	high anterior resection	622
	low anterior resection	1,208
	posterior resection	2
	invagination method	0
	pull through procedure	1
	abdominosacral resection	14
Hartmann's operation		178
Amputation of the rectum	abdominoperineal	310
	abdominosacral	10
Total pelvic exenteration		34
Total resection of the colon and rectum	with ileostomy	4
	with ileoanal anastomosis	11
OTH		42
X		49
Total		5,808

Table 25-1

Lymph node dissection, paraintestinal, by site

Site	Lymph node dissection, paraintestinal nodes				Total
	D0	D1	D2	X	
V	2	3	18	2	25
C	16	129	282	28	455
A	21	177	562	54	814
T	19	175	300	49	543
D	11	65	165	23	264
S	37	411	949	121	1,518
Rs	26	160	478	38	702
Ra	17	132	462	31	642
Rb	78	135	521	64	798
P	2	5	37	3	47
Colon	106	960	2,276	277	3,619
Rectum	123	432	1,498	136	2,189
Total	229	1,392	3,774	413	5,808

Table 25-2

Lymph node dissection, mesenteric, by site

Site	Lymph node dissection, mesenteric nodes				Total
	D0	D2	D3	X	
V	2	7	12	4	25
C	26	132	257	40	455
A	35	252	471	56	814
T	64	211	212	56	543
D	19	108	116	21	264
S	106	487	783	142	1,518
Rs	34	195	416	57	702
Ra	31	181	385	45	642
Rb	82	200	446	70	798
P	6	16	21	4	47
Colon	252	1,197	1,851	319	3,619
Rectum	153	592	1,268	176	2,189
Total	405	1,789	3,119	495	5,808

Table 25-3

Lymph node dissection, rectum, lateral, by site

Site	Lymph node dissection, lateral nodes				Total
	D0	D2	D3	X	
Rs	420	12	15	255	702
Ra	402	24	66	150	642
Rb	365	65	215	153	798
P	21	6	11	9	47
Total	1,208	107	307	567	2,189

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	4	7	1	1	0	0	12	25
C	80	48	14	1	1	0	311	455
A	164	74	14	2	0	0	560	814
T	119	51	12	1	3	2	355	543
D	43	28	6	2	0	0	185	264
S	293	171	46	11	0	1	996	1,518
Rs	109	67	24	6	1	2	493	702
Ra	96	50	13	7	2	1	473	642
Rb	135	62	21	11	2	1	566	798
P	7	3	3	1	1	0	32	47
Colon	703	379	93	18	4	3	2,419	3,619
Rectum	347	182	61	25	6	4	1,564	2,189
Total	1,050	561	154	43	10	7	3,983	5,808

Table 26-2
Combined resection, by site (multi-answers)

Organ	Site										Total
	V	C	A	T	D	S	Rs	Ra	Rb	P	
Abdominal wall	2	18	23	7	11	19	4	3	2	0	89
Pelvicwall	0	0	0	0	1	3	1	2	3	1	11
Uterus	0	1	0	1	0	13	16	13	18	3	65
Ovary&tube	2	10	2	4	1	32	24	13	16	1	105
Vagina	1	0	0	0	0	3	0	4	18	2	28
Seminalvesicle	0	0	0	0	0	4	5	9	15	0	33
Prostate	0	0	0	0	0	1	5	6	18	2	32
Bladder	1	0	0	0	1	54	27	9	11	2	105
Ureter	0	2	1	0	0	8	3	5	0	0	19
Stomach	0	2	4	8	1	10	2	1	1	0	29
Duodenum	0	1	5	5	1	0	1	0	0	0	13
Smallintestine	1	10	8	17	3	31	4	2	2	0	78
Colon	2	6	7	1	3	11	11	2	6	0	49
Rectum	0	1	4	2	0	7	0	1	0	0	15
Liver	0	8	17	16	5	33	17	18	15	0	129
Omentum	0	6	12	8	1	4	2	0	1	0	34
Remoteorgan	0	0	1	0	0	0	1	0	0	0	2
OTH	2	15	25	26	16	52	18	14	19	5	192
X	0	0	0	0	0	1	0	0	1	0	2
Total	11	80	109	95	44	286	141	102	146	16	1,030

Table 27-1
Treatment for liver metastasis, by site

Site	Resection of liver metastasis			Total
	Complete	Incomplete	X	
C	10	1	2	13
A	21	2	3	26
T	14	2	0	16
D	9	0	1	10
S	40	7	0	47
Rs	23	4	1	28
Ra	26	4	1	31
Rb	21	2	0	23
P	0	0	0	0
Colon	94	12	6	112
Rectum	70	10	2	82
Total	164	22	8	194

Table 27-2

Treatment for liver metastasis

Liver metastasis	Resection of liver metastasis			Total
	Complete	Incomplete	X	
H1	112	5	2	119
H2	31	7	0	38
H3	17	8	3	28
HX	4	2	3	9
Total	164	22	8	194

Table 27-3

Treatment for liver metastasis, by site

Site	Treatment modality other than hepatectomy			Total
	Ethanol	MCT	OTH	
V	0	1	0	1
C	0	2	5	7
A	0	2	4	6
T	1	0	3	4
D	0	1	3	4
S	0	1	23	24
Rs	2	3	6	11
Ra	1	3	10	14
Rb	0	3	4	7
Colon	1	7	38	46
Rectum	3	9	20	32
Total	4	16	58	78

Table 27-4

Treatment for liver metastasis (multi-answers)

Liver metastasis	Treatment modality other than hepatectomy			Total
	Ethanol	MCT	OTH	
H1	1	9	24	34
H2	0	2	10	12
H3	3	4	22	29
HX	0	1	2	3
Total	4	16	58	78

Ethanol Ethanol injection therapy

MCT Microwave coagulation therapy

Table 28-1

Curability of surgical resection, macroscopic, by site

Site	Curability of surgical resection					Total
	Cur A	Cur B	Cur C	Not resected	X	
V	15	2	8	1	0	26
C	343	40	66	0	6	455
A	640	52	106	3	17	818
T	422	40	68	1	13	544
D	208	28	27	1	2	266
S	1,165	101	223	8	31	1,528
Rs	551	53	83	6	14	707
Ra	497	50	82	3	17	649
Rb	645	55	72	3	31	806
P	31	7	5	0	4	47
Colon	2,793	263	498	14	69	3,637
Rectum	1,724	165	242	12	66	2,209
Total	4,517	428	740	26	135	5,846

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

Site	Curability of surgical resection					Total
	cur A	cur B	cur C	Not resected	X	
V	11	4	8	1	2	26
C	328	36	69	1	21	455
A	639	45	107	3	24	818
T	407	38	63	1	35	544
D	200	24	27	2	13	266
S	1,133	101	213	9	72	1,528
Rs	527	53	90	6	31	707
Ra	491	57	82	4	15	649
Rb	619	63	76	7	41	806
P	33	3	9	0	2	47
Colon	2,718	248	487	17	167	3,637
Rectum	1,670	176	257	17	89	2,209
Total	4,388	424	744	34	256	5,846

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

Site	Histological stage							Total
	0	I	II	IIIa	IIIb	IV	X	
V	1	3	3	3	4	11	1	26
C	37	81	133	69	45	88	2	455
A	49	114	289	149	70	141	6	818
T	42	89	179	94	50	87	3	544
D	14	51	100	43	20	38	0	266
S	36	286	497	272	137	291	9	1,528
Rs	22	100	220	171	55	135	4	707
Ra	15	115	169	166	61	120	3	649
Rb	52	208	193	130	117	95	11	806
P	0	7	16	7	9	8	0	47
Colon	179	624	1,201	630	326	656	21	3,637
Rectum	89	430	598	474	242	358	18	2,209
Total	268	1,054	1,799	1,104	568	1,014	39	5,846

Table 29-2

Histological stage, by curability of surgical resection

Curability	Histological stage							Total
	0	I	II	IIIa	IIIb	IV	X	
curA	244	1,001	1,646	996	470	26	5	4,388
curB	7	7	59	53	48	249	1	424
curC	1	1	13	12	27	679	11	744
Notresected	0	0	1	1	0	24	8	34
X	16	45	80	42	23	36	14	256
Total	268	1,054	1,799	1,104	568	1,014	39	5,846

Table 30

Accompanied lesion, by site (multi-answers)

Site	Accompanied lesions							X	Total
	Adenoma	Adenom- atosis	Ulcera- tive colitis	Crohn's disease	Radiat- ion colitis	Anal fistula	OTH		
V	1	0	0	0	0	0	2	1	4
C	59	1	1	0	0	0	8	4	73
A	107	2	2	0	0	0	16	9	136
T	52	2	0	0	0	0	7	10	71
D	32	1	0	0	0	0	11	2	46
S	193	10	1	0	0	1	32	26	263
Rs	80	2	2	0	1	0	12	15	112
Ra	53	1	2	0	0	0	6	14	76
Rb	68	2	2	0	0	1	16	13	102
P	4	0	0	0	0	1	1	1	7
Colon	444	16	4	0	0	1	76	52	593
Rectum	205	5	6	0	1	2	35	43	297
Total	649	21	10	0	1	3	111	95	890

Table 31
Site and number of cancers

Site	Number of cancers					Total
	1	2	3	>=4	X	
V	0	0	0	0	0	0
C	9	0	0	0	3	12
A	43	2	1	0	3	49
T	24	2	1	0	3	30
D	11	0	0	0	2	13
S	139	4	1	1	9	154
Rs	42	2	0	0	7	51
Ra	21	0	0	0	0	21
Rb	57	1	0	0	11	69
Colon	226	8	3	1	20	258
Rectum	120	3	0	0	18	141
Total	346	11	3	1	38	399

Table 32-1
Endoscopic excision

Site	Modality of endoscopic resection			Total
	Electric cautery	OTH	X	
V	0	0	0	0
C	8	0	4	12
A	44	0	5	49
T	26	0	4	30
D	10	0	3	13
S	131	0	23	154
Rs	42	0	9	51
Ra	18	0	3	21
Rb	54	1	14	69
Colon	219	0	39	258
Rectum	114	1	26	141
Total	333	1	65	399

Table 32-2

Endoscopic excision, evaluation of the excision

Site	Excision			X	Total
	Complete	Incomplete	Undecidable		
V	0	0	0	0	0
C	4	1	3	4	12
A	32	6	7	4	49
T	19	6	2	3	30
D	10	0	1	2	13
S	120	10	9	15	154
Rs	35	6	3	7	51
Ra	17	3	0	1	21
Rb	46	10	2	11	69
Colon	185	23	22	28	258
Rectum	98	19	5	19	141
Total	283	42	27	47	399

Table 32-3

Endoscopic excision, evaluation of the retrieval of resected specimens

Site	Specimens			X	Total
	Complete	Incomplete	No retrieval		
V	0	0	0	0	0
C	7	0	0	5	12
A	44	0	0	5	49
T	27	0	0	3	30
D	11	0	0	2	13
S	134	3	0	17	154
Rs	43	0	0	8	51
Ra	20	0	0	1	21
Rb	56	2	0	11	69
Colon	223	3	0	32	258
Rectum	119	2	0	20	141
Total	342	5	0	52	399

Table 33-1

Gross appearance, by site

Site	Gross appearance										Total
	lp	lsp	ls	IIa	IIa+IIc	IIb	IIc	IIc+IIa	OTH	X	
V	0	0	0	0	0	0	0	0	0	0	0
C	0	1	3	2	0	0	0	0	0	6	12
A	6	11	11	7	4	0	1	0	1	8	49
T	3	7	6	4	2	2	0	0	3	3	30
D	0	2	3	3	2	0	0	0	1	2	13
S	58	48	12	10	1	1	1	3	2	18	154
Rs	5	24	9	3	0	0	0	0	1	9	51
Ra	2	10	3	0	1	0	0	0	1	4	21
Rb	2	20	7	8	5	0	0	1	11	15	69
Colon	67	69	35	26	9	3	2	3	7	37	258
Rectum	9	54	19	11	6	0	0	1	13	28	141
Total	76	123	54	37	15	3	2	4	20	65	399

Table 33-2

Gross appearance, by DI

DI	Gross appearance										Total
	lp	lsp	ls	IIa	IIa+IIc	IIb	IIc	IIc+IIa	OTH	X	
m	42	61	22	17	4	3	1	3	13	9	175
sm	33	58	28	19	11	0	1	1	6	42	199
mp	1	2	1	0	0	0	0	0	0	1	5
>ss/a1	0	0	0	0	0	0	0	0	0	11	11
X	0	2	3	1	0	0	0	0	1	2	9
Total	76	123	54	37	15	3	2	4	20	65	399
Depth of submucosal invasion											
slight	7	5	4	3	2	0	1	0	0	1	23
massive	23	39	18	13	8	0	0	0	3	9	113
X	3	14	6	3	1	0	0	1	3	32	63

Table 34
DI, by site

Site	DI						Grade of sm invasion		
	m	sm	mp	>ss/al	X	Total	slight	massive	NOS
	V	0	0	0	0	0	0	0	0
C	5	6	0	1	0	12	1	3	2
A	19	27	0	1	2	49	7	13	7
T	19	9	0	1	1	30	4	3	2
D	9	3	0	1	0	13	0	2	1
S	68	80	1	3	2	154	6	52	22
Rs	21	28	1	1	0	51	2	14	12
Ra	8	13	0	0	0	21	1	11	1
Rb	26	33	3	3	4	69	2	15	16
Colon	120	125	1	7	5	258	18	73	34
Rectum	55	74	4	4	4	141	5	40	29
Total	175	199	5	11	9	399	23	113	63

Table 35-1
Histological classification, by site

Site	Histological classification			X	Total
	Carcinoma in adenoma	Carcinoma with adenomatous component	Carcinoma without adenomatous component		
V	0	0	0	0	0
C	1	3	3	5	12
A	20	12	8	9	49
T	9	6	5	10	30
D	3	2	4	4	13
S	43	39	38	34	154
Rs	20	7	7	17	51
Ra	11	2	6	2	21
Rb	21	12	15	21	69
Colon	76	62	58	62	258
Rectum	52	21	28	40	141
Total	128	83	86	102	399

Table 35-2

Histological classification, by site

Site	Histological classification						Total
	w/d	m/d	p/d	muc	sig	NOS	
V	0	0	0	0	0	0	0
C	12	0	0	0	0	0	12
A	42	4	1	0	0	2	49
T	26	3	0	0	0	1	30
D	12	1	0	0	0	0	13
S	129	24	0	0	0	1	154
Rs	43	7	0	0	0	1	51
Ra	18	3	0	0	0	0	21
Rb	56	9	3	0	0	1	69
Colon	221	32	1	0	0	4	258
Rectum	117	19	3	0	0	2	141
Total	338	51	4	0	0	6	399

w/d: well-differentiated adenocarcinoma. m/d: moderately differentiated adenocarcinoma, p/d: poorly differentiated adenocarcinoma, muc: mucinous carcinoma. 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	ly3	ly(+)	X	
slight	14	3	1	0	1	4	23
massive	63	25	4	0	3	18	113
NOS	13	9	1	0	1	39	63
Total	90	37	6	0	5	61	199

Table 37

Venous invasion and sm invasion

sm invasion	Venous invasion						Total
	v0	v1	v2	v3	v(+)	X	
slight	13	4	1	0	0	5	23
massive	75	11	1	0	5	21	113
NOS	18	3	2	0	2	38	63
Total	106	18	4	0	7	64	199

Table 38-1

Tumor size, by gross appearance

Size (mm)	Gross appearance										Total
	lp	lsp	ls	IIa	IIa+IIc	IIb	IIc	IIc+IIa	OTH	X	
<=5	2	0	0	1	1	0	0	1	0	0	5
6-10	5	14	6	5	4	0	1	0	1	0	36
11-15	10	15	13	4	2	0	0	0	0	3	47
16-20	9	20	2	3	4	0	0	0	2	5	45
21-30	7	5	4	2	0	0	0	0	1	3	22
31-40	0	1	2	1	0	0	0	0	1	2	7
>40	0	1	0	1	0	0	0	0	0	0	2
X	0	2	1	2	0	0	0	0	1	29	35
Total	33	58	28	19	11	0	1	1	6	42	199

Table 38-2

Tumor size, by DI

Size (mm)	DI					Total
	m	sm	mp	ss/al	X	
<=5	6	5	0	0	0	11
6-10	63	36	0	0	3	102
11-15	40	47	3	0	3	93
16-20	28	45	0	0	0	73
21-30	15	22	0	0	1	38
31-40	11	7	0	1	0	19
>40	2	2	1	1	0	6
X	10	35	1	9	2	57
Total	175	199	5	11	9	399

Table 39

Cut end of the specimen, mucosal and submucosal

m-ce	DI								X	Total	
	m	sm			mp			>ss/al			
		sm-ce									
		-	+	X	-	+	X	-			
-	123	80	20	11	1	3	0	0	3	241	
+	6	6	7	1	0	0	0	0	0	20	
X	46	4	12	58	0	0	1	11	6	138	
Total	175	90	39	70	1	3	1	11	9	399	

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	
V	0	0	0	0
C	8	0	4	12
A	43	0	6	49
T	24	0	6	30
D	12	0	1	13
S	123	5	26	154
Rs	38	1	12	51
Ra	16	2	3	21
Rb	43	3	23	69
Colon	210	5	43	258
Rectum	97	6	38	141
Total	307	11	81	399

Table 40-2
Metastasis, by DI

DI	Any metastasis			Total
	No	Yes	X	
m	149	1	25	175
sm	149	10	40	199
mp	4	0	1	5
>ss/a1	3	0	8	11
X	2	0	7	9
Total	307	11	81	399

Table 41-1
Curability of endoscopic excision, by site

Site	Evaluation of colorectal endoscopy				Total
	cur A	cur B	cur C	X	
V	0	0	0	0	0
C	7	1	1	3	12
A	31	5	1	12	49
T	18	2	3	7	30
D	12	0	1	0	13
S	124	7	3	20	154
Rs	32	2	4	13	51
Ra	16	3	0	2	21
Rb	43	2	2	22	69
Colon	192	15	9	42	258
Rectum	91	7	6	37	141
Total	283	22	15	79	399

Table 41-2
Curability of endoscopic excision, by DI

DI	Evaluation of colorectal endoscopy				Total
	cur A	cur B	cur C	X	
m	140	4	4	27	175
sm	136	18	9	36	199
mp	4	0	0	1	5
>ss/a l	2	0	1	8	11
X	1	0	1	7	9
Total	283	22	15	79	399

Table 42-1
Additional surgery

	Additional surgical resection			Total
	Yes	No	X	
Site				
V	0	0	0	0
C	11	1	0	12
A	27	20	2	49
T	14	14	2	30
D	3	10	0	13
S	82	63	9	154
Rs	25	22	4	51
Ra	11	9	1	21
Rb	33	27	9	69
DI				
m	18	144	13	175
sm	173	18	8	199
mp	5	0	0	5
>ss/al	8	3	0	11
X	2	1	6	9
sm invasion (sm cancers)				
slight	17	0	0	17
massive	92	1	0	93
NOS	48	0	0	48
Histology, Adenomatous component				
Carcinoma in adenoma	44	78	6	128
Carcinoma with adenomatous component	35	43	5	83
Carcinoma without adenomatous component	60	26	0	86
X	67	19	16	102
Histological classification				
w/d	158	153	27	338
m/d	43	8	0	51
p/d	4	0	0	4
muc	0	0	0	0
sig	0	0	0	0
NOS	1	5	0	6

Table 42-2
Additional surgery

	Additional surgical resection			Total
	Yes	No	X	
m-ce				
-	102	129	10	231
+	16	4	0	20
X	88	33	17	121
sm-ce (sm cancers)				
-	65	1	0	66
+	30	0	0	30
X	62	0	0	62
ly (sm cancers)				
ly0	67	1	0	68
ly1	34	0	0	34
ly2	4	0	0	4
ly(+)	5	0	0	5
X	47	0	0	47
v (sm cancers)				
v0	82	1	0	83
v1	16	0	0	16
v2	4	0	0	4
v(+)	6	0	0	6
X	49	0	0	49
Evaluation of colorectal endoscopy				
cur A	137	146	0	283
cur B	16	6	0	22
cur C	11	4	0	15
X	42	10	27	52

Table 43

Laparoscopic surgery as additional surgery

Site	Laparoscopic surgery (LS)					Total
	No	YES			X	
		LS only	LS assisted	OTH		
V	0	0	0	0	0	0
C	6	2	3	0	0	11
A	14	5	8	0	1	28
T	10	0	1	3	1	15
D	2	1	2	0	1	6
S	37	6	36	3	5	87
Rs	9	4	9	1	3	26
Ra	5	4	4	0	0	13
Rb	24	3	3	1	2	33
Colon	69	14	50	6	8	147
Rectum	38	11	16	2	5	72
Total	107	25	66	8	13	219

Table 44

Residual cancer in surgically resected specimen, additional surgery

Site	Residual cancer in the resected specimen			Total
	No	Yes	X	
V	0	0	0	0
C	8	0	3	11
A	22	2	4	28
T	7	2	6	15
D	2	0	4	6
S	68	7	12	87
Rs	17	3	6	26
Ra	10	1	2	13
Rb	15	7	11	33
Colon	107	11	29	147
Rectum	42	11	19	72
Total	149	22	48	219

Table 45

DI, by site, additional surgery

Site	DI						X	Total
	m	sm	mp	ss/a1	se/a2	si/ai		
V	0	0	0	0	0	0	0	0
C	3	6	1	0	1	0	0	11
A	3	21	1	1	0	0	2	28
T	4	8	0	1	0	0	2	15
D	1	3	0	1	0	0	1	6
S	5	68	2	2	1	0	9	87
Rs	1	19	1	1	0	0	4	26
Ra	1	8	3	1	0	0	0	13
Rb	1	25	4	2	0	1	0	33
Colon	16	106	4	5	2	0	14	147
Rectum	3	52	8	4	0	1	4	72
Total	19	158	12	9	2	1	18	219

Table 46-1

Lymph node metastasis, macroscopic, by site, additional surgery

Site	Lymph node metastasis						Total
	N0	N1	N2	N3	N4	NX	
V	0	0	0	0	0	0	0
C	10	1	0	0	0	0	11
A	26	1	0	0	0	1	28
T	14	0	0	0	0	1	15
D	5	0	0	0	0	1	6
S	76	5	1	0	2	3	87
Rs	24	2	0	0	0	0	26
Ra	10	0	2	1	0	0	13
Rb	31	0	1	0	1	0	33
Colon	131	7	1	0	2	6	147
Rectum	65	2	3	1	1	0	72
Total	196	9	4	1	3	6	219

Table 46-2

Lymph node metastasis, histological, by site, additional surgery

Site	Lymph node metastasis						Total
	n0	n1	n2	n3	n4	nX	
V	0	0	0	0	0	0	0
C	10	1	0	0	0	0	11
A	24	1	1	0	0	2	28
T	13	0	0	0	0	2	15
D	5	0	0	0	0	1	6
S	69	11	1	0	0	6	87
Rs	24	2	0	0	0	0	26
Ra	10	1	1	1	0	0	13
Rb	25	5	2	0	0	1	33
Colon	121	13	2	0	0	11	147
Rectum	59	8	3	1	0	1	72
Total	180	21	5	1	0	12	219

Table 47

Lymphatic invasion in surgically resected specimen, additional surgery

Site	Lymphatic invasion						Total
	ly0	ly1	ly2	ly3	ly(+)	X	
V	0	0	0	0	0	0	0
C	6	2	1	0	0	2	11
A	15	4	0	0	0	9	28
T	8	1	1	0	0	5	15
D	2	1	1	0	0	2	6
S	40	17	1	0	1	28	87
Rs	17	5	0	0	1	3	26
Ra	8	1	2	0	0	2	13
Rb	21	5	3	1	1	2	33
Colon	71	25	4	0	1	46	147
Rectum	46	11	5	1	2	7	72
Total	117	36	9	1	3	53	219

Table 48

Venous invasion in surgically resected specimen, additional surgery

Site	Venous invasion						Total
	v0	v1	v2	v3	v(+)	X	
V	0	0	0	0	0	0	0
C	8	1	0	0	0	2	11
A	18	2	1	0	0	7	28
T	11	0	0	0	0	4	15
D	2	2	0	0	0	2	6
S	47	7	3	0	2	28	87
Rs	22	2	0	1	0	1	26
Ra	9	2	0	0	0	2	13
Rb	22	9	0	1	0	1	33
Colon	86	12	4	0	2	43	147
Rectum	53	13	0	2	0	4	72
Total	139	25	4	2	2	47	219

Table 49

Curability of surgical resection, additional surgery

Site	Curability				Total
	cur A	cur B	cur C	X	
V	0	0	0	0	0
C	11	0	0	0	11
A	26	0	1	1	28
T	14	0	0	1	15
D	4	0	1	1	6
S	79	0	2	6	87
Rs	21	2	0	3	26
Ra	13	0	0	0	13
Rb	30	0	2	1	33
Colon	134	0	4	9	147
Rectum	64	2	2	4	72
Total	198	2	6	13	219

Table 50

Histological stage, additional surgery

Site	Histological stage							Total
	0	I	II	IIIa	IIIb	IV	X	
V	0	0	0	0	0	0	0	0
C	3	7	0	1	0	0	0	11
A	3	21	0	0	1	1	2	28
T	4	8	1	0	0	0	2	15
D	1	3	0	0	0	1	1	6
S	5	59	1	10	1	2	9	87
Rs	1	19	0	1	0	1	4	26
Ra	1	8	1	1	2	0	0	13
Rb	1	24	1	5	1	1	0	33
Colon	16	98	2	11	2	4	14	147
Rectum	3	51	2	7	3	2	4	72
Total	19	149	4	18	5	6	18	219

Table 51

Operative procedures, additional surgery

Operative procedure	Site									Total
	V	C	A	T	D	S	Rs	Ra	Rb	
Trans-anal resection	0	0	0	0	0	0	0	0	4	4
Trans-sphencteric resection	0	0	0	0	0	0	0	0	0	0
Partial colectomy	0	0	0	3	3	1	0	0	0	7
Partial rectal resection	0	0	0	0	0	0	0	0	0	0
Appendectomy	0	0	0	0	0	0	0	0	0	0
Ileocecal resection	0	11	4	0	0	0	0	0	0	15
Ascending colectomy	0	0	7	0	0	0	0	0	0	7
Right colectomy	0	0	16	4	0	0	0	0	0	20
Transverse colectomy	0	0	0	6	0	0	0	0	0	6
Descending colectomy	0	0	0	0	1	1	0	0	0	2
Left colectomy	0	0	0	1	1	0	0	0	0	2
Sigmoidectomy	0	0	0	0	0	66	1	0	0	67
Subtotal colectomy	0	0	0	0	0	1	0	0	0	1
HAR	0	0	0	0	0	15	13	2	0	30
LAR	0	0	0	0	0	0	12	10	24	46
Abdomiosacral resection	0	0	0	0	0	0	0	0	1	1
Hartmann	0	0	0	0	0	0	0	0	0	0
APR	0	0	0	0	0	0	0	0	3	3
Total resection of the colon and rectum	0	0	0	0	0	0	0	1	0	1
OTH	0	0	0	0	0	0	0	0	1	1
X	0	0	1	1	1	3	0	0	0	6
Total	0	11	28	15	6	87	26	13	33	219

Malignant neoplasms other than adenocarcinoma

A total of 88 patients with malignancies other than adenocarcinoma was classified into 3 groups.

I)	All	88cases
II)	Surgery	78cases
III)	Endoscopic excision	10cases

Abbreviations of histological typing in this report.

sq	squamous cell carcinoma
as	adenosquamous carcinoma
ud	undifferentiated carcinoma
bsl	basaloid carcinoma
OEM	other epithelial malignancy
cd	carcinoid
MM	malignant melanoma
LMS	leiomyosarcoma
LMB	leiomyoblastoma
NHL	non-Hodgkin lymphoma

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	0	0	0	2	0	1	0	0	3
C	0	0	0	1	2	3	0	0	6
A	0	0	0	1	1	0	3	0	5
T	0	1	0	0	0	1	0	0	2
D	0	0	0	0	0	0	0	0	0
S	0	0	1	2	1	1	1	0	6
Rs	0	0	0	1	1	2	0	0	4
Ra	0	1	0	1	0	0	0	0	2
Rb	0	3	6	2	4	0	1	0	16
P	0	0	1	0	1	0	1	0	3
Colon	0	1	1	6	4	6	4	0	22
Rectum	0	4	7	4	6	2	2	0	25
Total	0	5	8	10	10	8	6	0	47

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	0	0	0	1
C	0	0	0	1	0	0	1	0	2
A	0	0	0	1	0	0	3	0	4
T	0	0	0	0	1	0	0	0	1
D	0	0	0	0	0	0	0	0	0
S	0	1	0	0	0	0	1	0	2
Rs	0	0	0	0	1	1	0	0	2
Ra	0	0	0	0	0	0	0	0	0
Rb	0	0	2	6	4	8	2	0	22
P	0	0	1	0	3	1	2	0	7
Colon	0	1	0	2	2	0	5	0	10
Rectum	0	0	3	6	8	10	4	0	31
Total	0	1	3	8	10	10	9	0	41

Table 53
Histological typing, by site

Site	Histology											Total
	sq	as	ud	bsl	OEM	cd	MM	LMS	LMB	NHL	OTH	
V	0	0	0	0	0	2	0	0	0	0	2	4
C	0	0	1	0	0	1	0	0	0	4	2	8
A	0	1	4	0	2	0	0	0	0	1	0	8
T	0	0	1	0	0	0	0	0	0	1	1	3
D	0	0	0	0	0	0	0	0	0	0	0	0
S	0	1	2	0	0	1	0	0	0	0	4	8
Rs	1	1	1	0	2	0	0	0	0	0	0	5
Ra	0	0	0	0	0	1	0	0	0	0	1	2
Rb	3	0	4	1	1	12	4	0	0	0	5	30
P	4	1	0	1	0	0	1	0	0	0	3	10
Colon	0	2	8	0	2	4	0	0	0	6	9	31
Rectum	8	2	5	2	3	13	5	0	0	0	9	47
Total	8	4	13	2	5	17	5	0	0	6	18	78

Table 54
Modality of principal treatment

Treatment	Histology											Total
	sq	as	ud	bsl	OEM	cd	MM	LMS	LMS	NHL	OTH	
None	0	0	1	0	0	0	0	0	0	0	0	1
Surgery	8	4	12	2	5	17	5	0	0	4	18	75
OTH	0	0	0	0	0	0	0	0	0	2	0	2
Total	8	4	13	2	5	17	5	0	0	6	18	78

Table 55
DI

DI	Histology											Total
	sq	as	ud	bsl	OEM	cd	MM	LMS	LMS	NHL	OTH	
m	0	0	0	0	0	0	0	0	0	0	5	5
sm	0	0	0	0	1	13	2	0	0	0	2	18
mp	2	0	2	1	1	2	1	0	0	0	0	9
ss/a1	0	0	4	1	2	2	0	0	0	2	1	12
se/a2	3	2	3	0	1	0	1	0	0	1	2	13
si/ai	3	1	4	0	0	0	0	0	0	0	1	9
x	0	1	0	0	0	0	1	0	0	3	7	12
Total	8	4	13	2	5	17	5	0	0	6	18	78

Table 56

Lymph node metastasis, histological

Lymph node	Histology											Total
	sq	as	ud	bsl	OEM	cd	MM	LMS	LMS	NHL	OTH	
n0	4	1	4	1	2	11	0	0	0	3	7	33
n1	2	1	3	0	1	3	4	0	0	0	1	15
n2	1	1	2	1	1	0	0	0	0	0	1	7
n3	1	0	1	0	0	0	0	0	0	0	0	2
n4	0	0	2	0	1	0	0	0	0	0	0	3
nX	0	1	1	0	0	3	1	0	0	3	9	18
Total	8	4	13	2	5	17	5	0	0	6	18	78

Table 57

Tumor size (mm)

Size (mm)	Histology											Total
	sq	as	ud	bsl	OEM	cd	MM	LMS	LMS	NHL	OTH	
<=20	0	0	0	0	0	12	1	0	0	0	4	17
21-40	2	0	0	2	1	2	0	0	0	0	1	8
41-60	4	3	2	0	3	0	1	0	0	0	4	17
61-80	0	0	1	0	0	0	0	0	0	2	0	3
81-100	0	0	3	0	0	0	0	0	0	1	1	5
101-	0	0	1	0	0	0	1	0	0	1	0	3
X	2	1	6	0	1	3	2	0	0	2	8	25
Total	8	4	13	2	5	17	5	0	0	6	18	78

Table 58

Curability of surgical resection, histological

Curability	Histology											Total
	sq	as	ud	bsl	OEM	cd	MM	LMS	LMB	NHL	OTH	
cur A	3	2	7	2	2	14	4	0	0	1	9	44
cur B	2	0	0	0	0	1	0	0	0	0	1	4
cur C	2	1	4	0	3	1	1	0	0	3	2	17
Notresected	0	1	1	0	0	0	0	0	0	0	1	3
X	1	0	1	0	0	1	0	0	0	2	5	10
Total	8	4	13	2	5	17	5	0	0	6	18	78

Table 59
Histological typing, by site

Site	Histology			Total
	sq	cd	OTH	
C	0	0	0	0
A	0	0	1	1
T	0	0	0	0
D	0	0	0	0
S	0	0	0	0
Rs	0	0	1	1
Ra	0	0	0	0
Rb	1	6	1	8
P	0	0	0	0
Colon	0	0	1	1
Rectum	1	6	2	9
Total	1	6	3	10

Table 60
Endoscopic excision

Excision	Histology			Total
	sq	cd	OTH	
Complete	0	3	2	5
Undecidable	0	2	1	3
X	1	1	0	2
Total	1	6	3	10

Table 61
DI

DI	Histology			Total
	sq	cd	OTH	
m	0	0	1	1
sm	1	3	2	6
X	0	3	0	3
Total	1	6	3	10

Table 62

Cut end of the specimen, mucosal and submucosal

m-ce	DI					Total
	m	sm		X		
		sm-ce		-	X	
		+	X	-	X	
-	0	1	0	1	0	2
X	2	1	2	0	3	8
Total	2	2	2	1	3	10

Table 63

Curability of endoscopic excision

Site	Histology			Total
	sq	cd	OTH	
cur A	0	5	0	5
curB	0	0	0	0
curC	0	0	1	1
X	1	1	2	4
Total	1	6	3	10

Selected data for survival analysis

Table 64

Number of excluded cases for survival analysis

Cases with the unknown current status	70
Missing for date of last contact for reportedly living cases	7
Missing for date of death for reportedly mortal cases	1
Case with no surgical or endoscopic treatment	4
Surgically treated cases not given day for the surgery	2
Cases with 0 day for survival	1
Cases with date of the last contact before surgery or with date of death before surgery	2
Cases younger than 15	0
Total	87

*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	21	4,326	0.5%
curB	0	421	0.0%
curC	12	734	1.6%
Unresect	2	34	5.9%
Unknown	0	44	0.0%
Missing	2	209	1.0%
Total	37	5,768	0.6%

Table 66-1

Age incidence

Male

Site	<20	<30	<40	<50	<60	<70	<80	<90	<100	Total
V	0	0	0	2	2	0	1	1	0	6
C	0	0	7	6	37	62	77	28	4	221
A	0	1	3	23	46	115	152	69	6	415
T	0	0	4	9	42	101	110	36	4	306
D	0	1	3	5	28	58	64	14	0	173
S	0	1	9	44	187	338	349	70	2	1,000
Rs	0	0	4	27	104	160	133	24	0	452
Ra	0	3	8	18	92	145	121	23	3	413
Rb	0	2	14	39	147	164	139	41	2	548
P	0	0	0	1	2	8	11	3	1	26
Total	0	8	52	174	687	1,151	1,157	309	22	3,560

Table 66-2

Age incidence

Female

Site	<20	<30	<40	<50	<60	<70	<80	<90	<100	Total
V	0	1	1	2	7	1	6	2	0	20
C	0	1	3	8	28	66	85	47	2	240
A	1	0	1	14	62	113	171	70	8	440
T	0	0	6	12	38	76	74	50	5	261
D	0	1	1	7	27	27	28	13	0	104
S	0	4	15	47	137	204	187	66	6	666
Rs	0	1	8	21	70	92	74	26	2	294
Ra	0	0	3	21	55	79	67	21	1	247
Rb	0	2	10	29	84	88	63	28	5	309
P	0	0	1	1	3	3	9	4	0	21
Total	1	10	49	162	511	749	764	327	29	2,602

Table 67

Modality of treatment

Site	Surgery only	Endoscopy only	Endoscopy followed by surgery	Total
V	26	0	0	26
C	449	1	11	461
A	808	19	28	855
T	537	15	15	567
D	264	7	6	277
S	1,514	66	86	1,666
Rs	696	24	26	746
Ra	639	8	13	660
Rb	788	36	33	857
P	47	0	0	47
Total	5,768	176	218	6,162

Table 68

Surgical curability (histologically determined) for surgical cases*

Site	curA	curB	curC	Unresect	Unknown	Missing	Total
V	11	4	8	1	0	2	26
C	336	36	67	1	3	18	461
A	659	44	105	3	4	40	855
T	414	38	63	1	4	47	567
D	202	24	28	2	0	21	277
S	1,201	100	212	9	10	134	1,666
Rs	538	55	89	6	6	52	746
Ra	496	57	81	4	4	18	660
Rb	633	62	78	7	13	64	857
P	33	3	9	0	2	0	47
Total	4,523	423	740	34	46	396	6,162

*Surgical cases=Cases treated by surgery alone or endoscopic resection followed by surgery

Table 69

Liver metastasis for surgical cases

Site	H0	H1	H2	H3	HX	Missing	Total
V	22	1	1	1	0	1	26
C	410	21	9	20	0	1	461
A	741	38	12	39	3	22	855
T	496	20	7	27	0	17	567
D	236	6	8	19	0	8	277
S	1,375	68	31	115	3	74	1,666
Rs	623	34	19	38	1	31	746
Ra	560	34	16	39	1	10	660
Rb	748	22	16	28	1	42	857
P	45	0	1	0	0	1	47
Total	5,256	244	120	326	9	207	6,162

Table 70

Peritoneal metastasis for surgical cases

Site	P0	P1	P2	P3	PX	Missing	Total
V	19	3	0	4	0	0	26
C	420	20	11	9	0	1	461
A	772	22	16	21	2	22	855
T	512	19	8	7	0	21	567
D	256	3	3	4	3	8	277
S	1,511	36	26	17	2	74	1,666
Rs	687	17	6	8	2	26	746
Ra	633	13	2	2	1	9	660
Rb	804	4	2	3	3	41	857
P	45	0	1	0	0	1	47
Total	5,659	137	75	75	13	203	6,162

Table 71

Lung metastasis for surgical cases

Site	LM0	LM1	LM2	LM3	LMX	Missing	Total
V	19	2	0	2	0	3	26
C	420	11	2	7	2	19	461
A	769	10	2	8	6	60	855
T	521	5	2	2	1	36	567
D	245	3	1	0	0	28	277
S	1,453	23	8	18	4	160	1,666
Rs	660	13	5	8	3	57	746
Ra	598	15	4	9	0	34	660
Rb	744	13	7	17	2	74	857
P	42	1	0	0	0	4	47
Total	5,471	96	31	71	18	475	6,162

Table 72

Distant metastasis for surgical cases

Site	M(-)	M(+)	MX	Missing	Total
V	21	2	3	0	26
C	436	11	11	3	461
A	791	14	44	6	855
T	514	8	43	2	567
D	257	3	17	0	277
S	1,495	35	130	6	1,666
Rs	680	13	51	2	746
Ra	629	15	16	0	660
Rb	771	20	65	1	857
P	41	5	1	0	47
Total	5,635	126	381	20	6,162

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	133	434	297	619	267	72	6	83	1,911
N1	2	14	45	381	400	144	3	31	1,020
N2	2	6	17	155	237	95	3	15	530
N3	0	1	3	25	53	25	0	1	108
N4	0	0	1	16	41	34	0	1	93
NX	0	1	1	5	8	9	9	8	41
Missing	2	6	1	6	8	2	0	124	149
Total	139	462	365	1,207	1,014	381	21	263	3,852

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	59	196	247	373	156	40	1	30	1,102
N1	1	10	46	274	250	66	2	24	673
N2	0	4	3	90	129	41	0	6	273
N3	0	1	1	18	37	22	0	1	80
N4	2	2	0	7	21	9	1	2	44
NX	9	4	3	5	5	6	5	4	41
Missing	3	2	0	3	5	1	1	82	97
Total	74	219	300	770	603	185	10	149	2,310

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	185	432	286	764	189	44	0	11	1,911
n1	3	27	66	563	281	73	0	7	1,020
n2	3	5	29	251	180	61	1	0	530
n3	0	1	2	33	55	15	0	2	108
n4	0	0	2	25	40	22	2	2	93
nX	0	1	1	12	13	5	9	0	41
Missing	1	7	2	15	8	2	0	114	149
Total	192	473	388	1,663	766	222	12	136	3,852

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	79	204	273	369	134	36	1	6	1,102
n1	0	18	64	349	206	30	0	6	673
n2	0	5	10	119	110	27	0	2	273
n3	0	0	6	23	30	20	1	0	80
n4	2	2	0	11	23	4	1	1	44
nX	8	9	1	9	3	4	5	2	41
Missing	3	3	2	8	6	2	1	72	97
Total	92	241	356	888	512	123	9	89	2,310

Survival analysis

Table 77-1

Sex

Colon cancer, surgical cases

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	3598	244	263	93.0%	0.4%	92.1%	93.8%
1-2	3091	231	141	85.9%	0.6%	84.7%	87.0%
2-3	2719	149	117	81.0%	0.7%	79.7%	82.4%
3-4	2453	108	148	77.4%	0.7%	76.0%	78.8%
4-5	2197	66	222	74.9%	0.8%	73.4%	76.4%
5-	1909	117	1792				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	1967	139	124	92.7%	0.6%	91.6%	93.8%
1-2	1704	128	73	85.6%	0.8%	84.0%	87.1%
2-3	1503	91	68	80.3%	0.9%	78.5%	82.1%
3-4	1344	59	83	76.6%	1.0%	74.7%	78.6%
4-5	1202	41	115	73.9%	1.0%	71.9%	75.9%
5-	1046	78	968				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	1631	105	139	93.3%	0.6%	92.1%	94.5%
1-2	1387	103	68	86.2%	0.9%	84.5%	87.9%
2-3	1216	58	49	82.0%	1.0%	80.1%	83.9%
3-4	1109	49	65	78.2%	1.1%	76.2%	80.3%
4-5	995	25	107	76.2%	1.1%	74.0%	78.3%
5-	863	39	824				

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 77-2

Sex

Colon cancer, treated by endoscopy alone

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	254	1	13	99.6%	0.4%	98.8%	100.4%
1-2	240	1	3	99.2%	0.6%	98.1%	100.3%
2-3	236	3	6	97.9%	0.9%	96.1%	99.7%
3-4	227	1	4	97.5%	1.0%	95.5%	99.4%
4-5	222	2	8	96.6%	1.2%	94.3%	98.9%
5-	212	8	204				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	154	0	10	100.0%	0.0%	100.0%	100.0%
1-2	144	1	1	99.3%	0.7%	97.9%	100.7%
2-3	142	2	3	97.9%	1.2%	95.5%	100.2%
3-4	137	1	2	97.2%	1.4%	94.5%	99.9%
4-5	134	2	5	95.7%	1.7%	92.4%	99.0%
5-	127	7	120				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	100	1	3	99.0%	1.0%	97.0%	100.9%
1-2	96	0	2	99.0%	1.0%	97.0%	100.9%
2-3	94	1	3	97.9%	1.4%	95.1%	100.7%
3-4	90	0	2	97.9%	1.4%	95.1%	100.7%
4-5	88	0	3	97.9%	1.4%	95.1%	100.7%
5-	85	1	84				

Table 78-1

Sex

Rectal cancer, surgical cases

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	2170	135	117	93.6%	0.5%	92.6%	94.6%
1-2	1918	156	73	85.8%	0.8%	84.4%	87.3%
2-3	1689	119	78	79.7%	0.9%	77.9%	81.4%
3-4	1492	93	64	74.6%	1.0%	72.7%	76.5%
4-5	1335	59	127	71.1%	1.0%	69.1%	73.1%
5-	1149	67	1082				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	1360	84	66	93.7%	0.7%	92.4%	94.9%
1-2	1210	102	49	85.6%	1.0%	83.7%	87.5%
2-3	1059	86	47	78.5%	1.1%	76.3%	80.7%
3-4	926	63	38	73.0%	1.2%	70.6%	75.5%
4-5	825	37	70	69.6%	1.3%	67.1%	72.2%
5-	718	45	673				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	810	51	51	93.5%	0.9%	91.8%	95.2%
1-2	708	54	24	86.2%	1.2%	83.9%	88.6%
2-3	630	33	31	81.6%	1.4%	78.9%	84.3%
3-4	566	30	26	77.2%	1.5%	74.2%	80.2%
4-5	510	22	57	73.7%	1.6%	70.5%	76.8%
5-	431	22	409				

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	140	1	5	99.3%	0.7%	97.9%	100.7%
1-2	134	1	5	98.5%	1.0%	96.5%	100.5%
2-3	128	0	6	98.5%	1.0%	96.5%	100.5%
3-4	122	0	1	98.5%	1.0%	96.5%	100.5%
4-5	121	0	5	98.5%	1.0%	96.5%	100.5%
5-	116	2	114				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	79	1	3	98.7%	1.3%	96.2%	101.2%
1-2	75	1	2	97.4%	1.8%	93.8%	100.9%
2-3	72	0	5	97.4%	1.8%	93.8%	100.9%
3-4	67	0	0	97.4%	1.8%	93.8%	100.9%
4-5	67	0	2	97.4%	1.8%	93.8%	100.9%
5-	65	2	63				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	61	0	2	100.0%	0.0%	100.0%	100.0%
1-2	59	0	3	100.0%	0.0%	100.0%	100.0%
2-3	56	0	1	100.0%	0.0%	100.0%	100.0%
3-4	55	0	1	100.0%	0.0%	100.0%	100.0%
4-5	54	0	3	100.0%	0.0%	100.0%	100.0%
5-	51	0	51				

Table 79-1
 Clinical stage
 Colon cancer, surgical cases

Clinical stage 0

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	127	0	11	100.0%	0.0%	100.0%	100.0%
1-2	116	5	8	95.5%	1.9%	91.8%	99.2%
2-3	103	1	4	94.6%	2.1%	90.5%	98.7%
3-4	98	2	2	92.6%	2.4%	87.8%	97.4%
4-5	94	1	10	91.6%	2.6%	86.5%	96.7%
5-	83	2	81				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	77	0	5	100.0%	0.0%	100.0%	100.0%
1-2	72	3	4	95.7%	2.4%	91.1%	100.3%
2-3	65	1	3	94.2%	2.7%	88.8%	99.6%
3-4	61	1	1	92.6%	3.1%	86.6%	98.7%
4-5	59	1	6	91.0%	3.4%	84.3%	97.7%
5-	52	1	51				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	50	0	6	100.0%	0.0%	100.0%	100.0%
1-2	44	2	4	95.2%	3.1%	89.1%	101.4%
2-3	38	0	1	95.2%	3.1%	89.1%	101.4%
3-4	37	1	1	92.6%	4.0%	84.9%	100.4%
4-5	35	0	4	92.6%	4.0%	84.9%	100.4%
5-	31	1	30				

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	624	11	43	98.2%	0.5%	97.1%	99.2%
1-2	570	12	25	96.1%	0.8%	94.5%	97.6%
2-3	533	6	28	95.0%	0.9%	93.2%	96.7%
3-4	499	15	33	92.0%	1.1%	89.8%	94.2%
4-5	451	6	40	90.7%	1.2%	88.3%	93.1%
5-	405	15	390				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	371	10	25	97.2%	0.8%	95.6%	98.9%
1-2	336	11	13	94.0%	1.2%	91.5%	96.4%
2-3	312	3	18	93.0%	1.3%	90.4%	95.7%
3-4	291	10	18	89.7%	1.6%	86.5%	92.9%
4-5	263	4	20	88.3%	1.7%	84.9%	91.7%
5-	239	10	229				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	253	1	18	99.6%	0.4%	98.8%	100.4%
1-2	234	1	12	99.2%	0.6%	98.0%	100.3%
2-3	221	3	10	97.8%	1.0%	95.9%	99.7%
3-4	208	5	15	95.3%	1.4%	92.6%	98.1%
4-5	188	2	20	94.3%	1.6%	91.2%	97.3%
5-	166	5	161				

Table 79-3
 Clinical stage
 Colon cancer, surgical cases

Clinical stage II

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	801	16	65	97.9%	0.5%	96.9%	98.9%
1-2	720	27	35	94.2%	0.8%	92.5%	95.8%
2-3	658	17	33	91.7%	1.0%	89.7%	93.6%
3-4	608	15	39	89.3%	1.1%	87.1%	91.5%
4-5	554	10	60	87.6%	1.2%	85.2%	90.0%
5-	484	27	457				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	436	9	25	97.9%	0.7%	96.5%	99.2%
1-2	402	16	20	93.9%	1.2%	91.6%	96.1%
2-3	366	13	16	90.5%	1.4%	87.7%	93.3%
3-4	337	13	22	86.9%	1.7%	83.6%	90.1%
4-5	302	7	40	84.7%	1.8%	81.2%	88.2%
5-	255	19	236				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	365	7	40	98.0%	0.7%	96.6%	99.4%
1-2	318	11	15	94.5%	1.2%	92.1%	96.9%
2-3	292	4	17	93.2%	1.4%	90.5%	95.8%
3-4	271	2	17	92.5%	1.4%	89.6%	95.3%
4-5	252	3	20	91.3%	1.6%	88.3%	94.4%
5-	229	8	221				

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	827	27	46	96.6%	0.6%	95.4%	97.9%
1-2	754	25	33	93.4%	0.9%	91.7%	95.1%
2-3	696	28	23	89.5%	1.1%	87.4%	91.7%
3-4	645	24	36	86.1%	1.2%	83.7%	88.5%
4-5	585	19	51	83.2%	1.4%	80.5%	85.8%
5-	515	28	487				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	455	19	27	95.7%	0.9%	93.9%	97.5%
1-2	409	18	17	91.4%	1.3%	88.8%	94.0%
2-3	374	15	17	87.6%	1.6%	84.6%	90.7%
3-4	342	11	23	84.7%	1.7%	81.3%	88.1%
4-5	308	13	19	81.0%	1.9%	77.3%	84.8%
5-	276	20	256				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	372	8	19	97.8%	0.8%	96.3%	99.3%
1-2	345	7	16	95.8%	1.0%	93.7%	97.8%
2-3	322	13	6	91.9%	1.5%	89.0%	94.7%
3-4	303	13	13	87.8%	1.8%	84.4%	91.3%
4-5	277	6	32	85.8%	1.9%	82.1%	89.5%
5-	239	8	231				

Table 79-5
 Clinical stage
 Colon cancer, surgical cases

Clinical stage IIIb

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	411	13	27	96.7%	0.9%	95.0%	98.4%
1-2	371	22	13	90.9%	1.4%	88.1%	93.7%
2-3	336	18	11	85.9%	1.8%	82.5%	89.4%
3-4	307	13	19	82.2%	1.9%	78.4%	86.0%
4-5	275	16	30	77.1%	2.2%	72.9%	81.4%
5-	229	17	212				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	216	10	11	95.2%	1.4%	92.5%	98.0%
1-2	195	11	6	89.8%	2.1%	85.7%	93.8%
2-3	178	14	5	82.6%	2.6%	77.5%	87.8%
3-4	159	7	9	78.9%	2.8%	73.3%	84.5%
4-5	143	8	13	74.3%	3.1%	68.2%	80.3%
5-	122	12	110				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	195	3	16	98.4%	0.9%	96.7%	100.1%
1-2	176	11	7	92.1%	2.0%	88.3%	96.0%
2-3	158	4	6	89.7%	2.2%	85.4%	94.1%
3-4	148	6	10	86.0%	2.6%	80.9%	91.1%
4-5	132	8	17	80.4%	3.0%	74.5%	86.3%
5-	107	5	102				

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 79-6

Clinical stage IV

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	655	166	69	73.2%	1.7%	70.0%	76.5%
1-2	420	129	27	50.0%	2.0%	46.1%	53.9%
2-3	264	72	14	36.0%	2.0%	32.1%	39.9%
3-4	178	36	10	28.5%	1.9%	24.8%	32.2%
4-5	132	10	11	26.3%	1.9%	22.6%	29.9%
5-	111	23	88				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	333	84	29	73.6%	2.3%	69.0%	78.2%
1-2	220	63	13	51.9%	2.8%	46.5%	57.3%
2-3	144	42	7	36.4%	2.7%	31.0%	41.8%
3-4	95	15	6	30.5%	2.7%	25.2%	35.7%
4-5	74	7	4	27.5%	2.6%	22.4%	32.6%
5-	63	14	49				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	322	82	40	72.8%	2.4%	68.2%	77.5%
1-2	200	66	14	47.9%	2.8%	42.4%	53.5%
2-3	120	30	7	35.6%	2.8%	30.1%	41.1%
3-4	83	21	4	26.4%	2.7%	21.1%	31.6%
4-5	58	3	7	24.9%	2.7%	19.7%	30.1%
5-	48	9	39				

Table 80-1

Clinical stage

Rectal cancer, surgical cases

Clinical stage 0

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	69	1	8	98.5%	1.4%	95.6%	101.3%
1-2	60	1	6	96.7%	2.2%	92.5%	101.0%
2-3	53	3	6	90.9%	3.7%	83.7%	98.1%
3-4	44	0	2	90.9%	3.7%	83.7%	98.1%
4-5	42	1	9	88.5%	4.2%	80.4%	96.7%
5-	32	1	31				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	36	0	3	100.0%	0.0%	100.0%	100.0%
1-2	33	1	4	96.8%	3.0%	90.9%	102.6%
2-3	28	2	2	89.6%	5.4%	78.9%	100.3%
3-4	24	0	1	89.6%	5.4%	78.9%	100.3%
4-5	23	1	4	85.3%	6.4%	72.7%	97.9%
5-	18	0	18				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	33	1	5	96.7%	3.0%	90.9%	102.6%
1-2	27	0	2	96.7%	3.0%	90.9%	102.6%
2-3	25	1	4	92.5%	4.7%	83.2%	101.8%
3-4	20	0	1	92.5%	4.7%	83.2%	101.8%
4-5	19	0	5	92.5%	4.7%	83.2%	101.8%
5-	14	1	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

Table 80-2

Clinical stage I

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	383	8	18	97.9%	0.7%	96.4%	99.3%
1-2	357	4	9	96.8%	0.9%	95.0%	98.5%
2-3	344	5	17	95.3%	1.1%	93.2%	97.4%
3-4	322	12	15	91.7%	1.5%	88.8%	94.5%
4-5	295	7	26	89.4%	1.6%	86.2%	92.6%
5-	262	8	254				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	214	7	10	96.7%	1.2%	94.3%	99.0%
1-2	197	3	3	95.2%	1.5%	92.3%	98.0%
2-3	191	2	10	94.1%	1.6%	91.0%	97.3%
3-4	179	7	7	90.4%	2.1%	86.4%	94.4%
4-5	165	5	12	87.5%	2.3%	83.0%	92.1%
5-	148	6	142				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	169	1	8	99.4%	0.6%	98.2%	100.6%
1-2	160	1	6	98.8%	0.9%	97.1%	100.4%
2-3	153	3	7	96.8%	1.4%	94.1%	99.5%
3-4	143	5	8	93.3%	2.0%	89.4%	97.2%
4-5	130	2	14	91.8%	2.2%	87.5%	96.1%
5-	114	2	112				

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	490	15	26	96.9%	0.8%	95.3%	98.4%
1-2	449	17	12	93.1%	1.1%	90.9%	95.4%
2-3	420	19	20	88.8%	1.4%	86.0%	91.7%
3-4	381	14	15	85.5%	1.6%	82.3%	88.7%
4-5	352	5	32	84.2%	1.7%	80.9%	87.5%
5-	315	20	295				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	319	11	17	96.5%	1.0%	94.5%	98.5%
1-2	291	12	10	92.4%	1.5%	89.5%	95.3%
2-3	269	15	14	87.1%	1.9%	83.4%	90.9%
3-4	240	10	10	83.4%	2.1%	79.2%	87.6%
4-5	220	3	18	82.2%	2.2%	77.9%	86.6%
5-	199	11	188				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	171	4	9	97.6%	1.2%	95.3%	99.9%
1-2	158	5	2	94.5%	1.8%	91.0%	97.9%
2-3	151	4	6	91.9%	2.1%	87.8%	96.1%
3-4	141	4	5	89.3%	2.4%	84.5%	94.0%
4-5	132	2	14	87.9%	2.6%	82.8%	92.9%
5-	116	9	107				

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 80-4

Clinical stage IIIa

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	555	22	23	96.0%	0.8%	94.3%	97.6%
1-2	510	23	20	91.5%	1.2%	89.2%	93.9%
2-3	467	21	17	87.3%	1.4%	84.5%	90.1%
3-4	429	32	16	80.7%	1.7%	77.3%	84.1%
4-5	381	15	33	77.4%	1.8%	73.8%	81.0%
5-	333	16	317				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	351	13	14	96.2%	1.0%	94.2%	98.2%
1-2	324	15	12	91.7%	1.5%	88.8%	94.6%
2-3	297	16	9	86.7%	1.8%	83.1%	90.3%
3-4	272	21	7	79.9%	2.2%	75.6%	84.2%
4-5	244	9	17	76.8%	2.3%	72.3%	81.4%
5-	218	13	205				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	204	9	9	95.5%	1.4%	92.7%	98.3%
1-2	186	8	8	91.3%	2.0%	87.4%	95.2%
2-3	170	5	8	88.5%	2.3%	84.1%	93.0%
3-4	157	11	9	82.2%	2.8%	76.8%	87.6%
4-5	137	6	16	78.3%	3.0%	72.5%	84.2%
5-	115	3	112				

Table 80-5

Clinical stage

Rectal cancer, surgical cases

Clinical stage IIIb

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	227	17	8	92.4%	1.7%	89.0%	95.8%
1-2	202	32	10	77.4%	2.8%	71.9%	82.8%
2-3	160	14	9	70.4%	3.1%	64.4%	76.4%
3-4	137	10	7	65.1%	3.2%	58.8%	71.5%
4-5	120	9	13	60.0%	3.4%	53.4%	66.6%
5-	98	10	88				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	148	11	4	92.5%	2.2%	88.2%	96.7%
1-2	133	21	7	77.5%	3.4%	70.8%	84.2%
2-3	105	9	7	70.6%	3.8%	63.2%	78.0%
3-4	89	8	6	64.0%	4.0%	56.1%	71.9%
4-5	75	5	8	59.5%	4.2%	51.4%	67.7%
5-	62	7	55				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	79	6	4	92.2%	3.0%	86.4%	98.0%
1-2	69	11	3	77.2%	4.8%	67.9%	86.5%
2-3	55	5	2	70.0%	5.2%	59.8%	80.3%
3-4	48	2	1	67.1%	5.4%	56.5%	77.7%
4-5	45	4	5	60.8%	5.7%	49.7%	71.9%
5-	36	3	33				

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 80-6

Clinical stage IV

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	353	64	32	81.0%	2.0%	77.0%	85.0%
1-2	257	73	15	57.3%	2.7%	52.1%	62.5%
2-3	169	50	8	39.9%	2.7%	34.6%	45.3%
3-4	111	22	6	31.8%	2.6%	26.6%	37.0%
4-5	83	18	2	24.8%	2.5%	19.9%	29.7%
5-	63	9	54				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	225	36	16	83.4%	2.4%	78.7%	88.2%
1-2	173	48	12	59.4%	3.3%	53.0%	65.9%
2-3	113	36	4	40.2%	3.4%	33.5%	46.8%
3-4	73	14	5	32.2%	3.3%	25.7%	38.6%
4-5	54	12	2	24.9%	3.1%	18.8%	31.0%
5-	40	5	35				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	128	28	16	76.7%	3.6%	69.6%	83.7%
1-2	84	25	3	53.4%	4.5%	44.5%	62.3%
2-3	56	14	4	39.6%	4.5%	30.7%	48.5%
3-4	38	8	1	31.1%	4.4%	22.5%	39.8%
4-5	29	6	0	24.7%	4.2%	16.4%	33.0%
5-	23	4	19				

Table 81-1
 Histological stage
 Colon cancer, surgical cases

Histological stage 0

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	176	1	14	99.4%	0.6%	98.3%	100.5%
1-2	161	4	12	96.8%	1.3%	94.2%	99.5%
2-3	145	1	5	96.2%	1.5%	93.3%	99.1%
3-4	139	6	9	91.9%	2.2%	87.6%	96.1%
4-5	124	2	19	90.3%	2.4%	85.6%	94.9%
5-	103	0	103				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	104	0	9	100.0%	0.0%	100.0%	100.0%
1-2	95	2	5	97.8%	1.5%	95.0%	100.7%
2-3	88	1	3	96.7%	1.8%	93.1%	100.3%
3-4	84	2	4	94.3%	2.4%	89.6%	99.1%
4-5	78	2	11	91.7%	2.9%	86.1%	97.4%
5-	65	0	65				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	72	1	5	98.6%	1.4%	95.9%	101.3%
1-2	66	2	7	95.4%	2.5%	90.6%	100.2%
2-3	57	0	2	95.4%	2.5%	90.6%	100.2%
3-4	55	4	5	88.1%	4.0%	80.2%	96.0%
4-5	46	0	8	88.1%	4.0%	80.2%	96.0%
5-	38	0	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

Table 81-2

Histological stage I

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	617	8	51	98.6%	0.5%	97.8%	99.5%
1-2	558	12	23	96.5%	0.8%	95.0%	98.0%
2-3	523	5	29	95.5%	0.8%	93.9%	97.2%
3-4	489	14	35	92.7%	1.1%	90.6%	94.8%
4-5	440	5	38	91.6%	1.2%	89.3%	93.9%
5-	397	13	384				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	369	7	28	98.0%	0.7%	96.6%	99.4%
1-2	334	12	13	94.4%	1.2%	92.1%	96.8%
2-3	309	4	19	93.2%	1.3%	90.6%	95.8%
3-4	286	10	16	89.8%	1.6%	86.6%	93.0%
4-5	260	3	21	88.7%	1.7%	85.4%	92.1%
5-	236	9	227				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	248	1	23	99.6%	0.4%	98.8%	100.4%
1-2	224	0	10	99.6%	0.4%	98.8%	100.4%
2-3	214	1	10	99.1%	0.6%	97.9%	100.3%
3-4	203	4	19	97.1%	1.1%	94.8%	99.3%
4-5	180	2	17	95.9%	1.4%	93.3%	98.6%
5-	161	4	157				

Table 81-3
 Histological stage
 Colon cancer, surgical cases

Histological stage II

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	1,190	35	67	97.0%	0.5%	96.0%	97.9%
1-2	1,088	32	48	94.1%	0.7%	92.7%	95.4%
2-3	1,008	33	40	90.9%	0.8%	89.3%	92.6%
3-4	935	21	58	88.8%	0.9%	87.0%	90.6%
4-5	856	17	97	86.9%	1.0%	85.0%	88.9%
5-	742	33	709				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	645	25	23	96.1%	0.8%	94.6%	97.5%
1-2	597	20	28	92.8%	1.0%	90.8%	94.8%
2-3	549	26	24	88.3%	1.3%	85.8%	90.8%
3-4	499	13	33	85.9%	1.4%	83.2%	88.6%
4-5	453	10	54	83.9%	1.5%	81.0%	86.8%
5-	389	22	367				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	545	10	44	98.1%	0.6%	97.0%	99.2%
1-2	491	12	20	95.6%	0.9%	93.9%	97.4%
2-3	459	7	16	94.2%	1.0%	92.1%	96.2%
3-4	436	8	25	92.4%	1.2%	90.1%	94.7%
4-5	403	7	43	90.7%	1.3%	88.1%	93.2%
5-	353	11	342				

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	622	14	38	97.7%	0.6%	96.5%	98.8%
1-2	570	25	24	93.3%	1.0%	91.3%	95.3%
2-3	521	22	17	89.3%	1.3%	86.8%	91.8%
3-4	482	20	29	85.5%	1.5%	82.6%	88.3%
4-5	433	15	42	82.4%	1.6%	79.2%	85.5%
5-	376	28	348				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	342	9	22	97.3%	0.9%	95.6%	99.0%
1-2	311	15	10	92.5%	1.4%	89.7%	95.3%
2-3	286	8	9	89.9%	1.7%	86.6%	93.1%
3-4	269	11	21	86.1%	1.9%	82.3%	89.8%
4-5	237	9	22	82.6%	2.1%	78.4%	86.8%
5-	206	22	184				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	280	5	16	98.2%	0.8%	96.6%	99.7%
1-2	259	10	14	94.3%	1.4%	91.5%	97.0%
2-3	235	14	8	88.6%	2.0%	84.7%	92.4%
3-4	213	9	8	84.7%	2.2%	80.4%	89.1%
4-5	196	6	20	82.0%	2.4%	77.3%	86.7%
5-	170	6	164				

Table 81-5
 Histological stage
 Colon cancer, surgical cases

Histological stage IIIb

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	326	17	23	94.6%	1.2%	92.2%	97.0%
1-2	286	28	7	85.2%	2.0%	81.3%	89.1%
2-3	251	16	11	79.7%	2.3%	75.2%	84.1%
3-4	224	12	8	75.3%	2.5%	70.5%	80.2%
4-5	204	16	15	69.2%	2.7%	64.0%	74.4%
5-	173	16	157				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	167	12	10	92.6%	2.0%	88.7%	96.5%
1-2	145	17	4	81.6%	3.0%	75.6%	87.5%
2-3	124	10	5	74.9%	3.4%	68.2%	81.6%
3-4	109	9	3	68.6%	3.7%	61.3%	75.9%
4-5	97	9	3	62.1%	3.9%	54.5%	69.8%
5-	85	9	76				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	159	5	13	96.7%	1.4%	94.0%	99.4%
1-2	141	11	3	89.1%	2.5%	84.1%	94.0%
2-3	127	6	6	84.8%	2.9%	79.0%	90.5%
3-4	115	3	5	82.5%	3.1%	76.4%	88.6%
4-5	107	7	12	76.8%	3.5%	69.9%	83.7%
5-	88	7	81				

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	646	164	66	73.2%	1.7%	70.0%	76.5%
1-2	416	128	27	50.0%	2.0%	46.0%	53.9%
2-3	261	70	14	36.2%	2.0%	32.3%	40.1%
3-4	177	35	9	28.8%	1.9%	25.1%	32.6%
4-5	133	11	11	26.4%	1.9%	22.7%	30.0%
5-	111	25	86				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	328	83	29	73.5%	2.4%	68.9%	78.2%
1-2	216	61	13	52.1%	2.8%	46.7%	57.6%
2-3	142	41	7	36.7%	2.8%	31.3%	42.1%
3-4	94	14	6	31.0%	2.7%	25.7%	36.3%
4-5	74	8	4	27.6%	2.6%	22.4%	32.8%
5-	62	16	46				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	318	81	37	73.0%	2.4%	68.3%	77.6%
1-2	200	67	14	47.6%	2.9%	42.0%	53.2%
2-3	119	29	7	35.7%	2.8%	30.1%	41.2%
3-4	83	21	3	26.5%	2.7%	21.2%	31.8%
4-5	59	3	7	25.0%	2.7%	19.8%	30.3%
5-	49	9	40				

Table 82-1
 Histological stage
 Rectal cancer, surgical cases

Histological stage 0

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	89	1	9	98.8%	1.1%	96.6%	101.0%
1-2	79	2	5	96.2%	2.1%	92.2%	100.3%
2-3	72	5	7	89.2%	3.4%	82.5%	96.0%
3-4	60	1	3	87.7%	3.7%	80.4%	94.9%
4-5	56	1	12	85.9%	3.9%	78.2%	93.6%
5-	43	0	43				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	57	0	3	100.0%	0.0%	100.0%	100.0%
1-2	54	2	4	96.2%	2.6%	91.1%	101.2%
2-3	48	3	4	89.9%	4.1%	81.8%	98.0%
3-4	41	1	2	87.6%	4.6%	78.7%	96.6%
4-5	38	1	7	85.1%	5.0%	75.3%	94.9%
5-	30	0	30				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	32	1	6	96.6%	3.1%	90.5%	102.6%
1-2	25	0	1	96.6%	3.1%	90.5%	102.6%
2-3	24	2	3	88.0%	6.1%	76.0%	99.9%
3-4	19	0	1	88.0%	6.1%	76.0%	99.9%
4-5	18	0	5	88.0%	6.1%	76.0%	99.9%
5-	13	0	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

Table 82-2

Histological stage I

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	420	9	16	97.8%	0.7%	96.4%	99.2%
1-2	395	4	14	96.8%	0.9%	95.1%	98.5%
2-3	377	6	20	95.2%	1.0%	93.2%	97.3%
3-4	351	9	17	92.7%	1.3%	90.2%	95.3%
4-5	325	8	30	90.3%	1.5%	87.4%	93.3%
5-	287	10	277				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	244	8	10	96.7%	1.1%	94.4%	98.9%
1-2	226	3	9	95.3%	1.3%	92.7%	98.0%
2-3	214	5	12	93.1%	1.6%	89.8%	96.3%
3-4	197	6	10	90.1%	2.0%	86.3%	94.0%
4-5	181	5	17	87.5%	2.2%	83.2%	91.8%
5-	159	7	152				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	176	1	6	99.4%	0.6%	98.3%	100.5%
1-2	169	1	5	98.8%	0.8%	97.2%	100.4%
2-3	163	1	8	98.2%	1.0%	96.2%	100.2%
3-4	154	3	7	96.2%	1.5%	93.4%	99.1%
4-5	144	3	13	94.1%	1.8%	90.5%	97.8%
5-	128	3	125				

Table 82-3

Histological stage

Rectal cancer, surgical cases

Histological stage II

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	585	20	27	96.5%	0.8%	95.0%	98.0%
1-2	538	15	14	93.8%	1.0%	91.8%	95.7%
2-3	509	19	18	90.2%	1.2%	87.8%	92.6%
3-4	472	16	15	87.1%	1.4%	84.3%	89.9%
4-5	441	9	42	85.2%	1.5%	82.3%	88.2%
5-	390	24	366				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	392	13	17	96.6%	0.9%	94.8%	98.4%
1-2	362	11	10	93.6%	1.2%	91.2%	96.1%
2-3	341	15	13	89.4%	1.6%	86.4%	92.5%
3-4	313	13	10	85.7%	1.8%	82.1%	89.2%
4-5	290	7	19	83.5%	1.9%	79.7%	87.3%
5-	264	15	249				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	193	7	10	96.3%	1.3%	93.6%	98.9%
1-2	176	4	4	94.1%	1.7%	90.7%	97.4%
2-3	168	4	5	91.8%	2.0%	87.9%	95.7%
3-4	159	3	5	90.0%	2.2%	85.7%	94.3%
4-5	151	2	23	88.7%	2.3%	84.2%	93.3%
5-	126	9	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 82-4

Histological stage IIIa

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	468	16	20	96.5%	0.8%	94.9%	98.2%
1-2	432	27	18	90.3%	1.4%	87.7%	93.0%
2-3	387	18	16	86.1%	1.6%	82.9%	89.2%
3-4	353	32	17	78.1%	2.0%	74.2%	81.9%
4-5	304	11	29	75.1%	2.1%	71.0%	79.2%
5-	264	13	251				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	279	11	11	96.0%	1.2%	93.7%	98.3%
1-2	257	16	9	89.9%	1.8%	86.3%	93.4%
2-3	232	14	8	84.4%	2.2%	80.1%	88.7%
3-4	210	20	7	76.2%	2.6%	71.1%	81.3%
4-5	183	6	17	73.6%	2.7%	68.2%	78.9%
5-	160	10	150				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	189	5	9	97.3%	1.2%	95.0%	99.6%
1-2	175	11	9	91.0%	2.1%	86.9%	95.1%
2-3	155	4	8	88.6%	2.3%	84.0%	93.2%
3-4	143	12	10	80.9%	3.0%	75.1%	86.7%
4-5	121	5	12	77.4%	3.2%	71.1%	83.6%
5-	104	3	101				

Table 82-5
 Histological stage
 Rectal cancer, surgical cases

Histological stage IIIb

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	235	19	12	91.7%	1.8%	88.2%	95.2%
1-2	204	33	7	76.6%	2.8%	71.2%	82.1%
2-3	164	19	9	67.5%	3.1%	61.4%	73.6%
3-4	136	12	6	61.4%	3.3%	55.0%	67.8%
4-5	118	12	11	54.8%	3.4%	48.2%	61.5%
5-	95	11	84				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	149	11	8	92.4%	2.1%	88.2%	96.6%
1-2	130	21	5	77.2%	3.5%	70.4%	84.0%
2-3	104	11	6	68.8%	3.9%	61.2%	76.4%
3-4	87	8	4	62.3%	4.1%	54.3%	70.3%
4-5	75	6	7	57.1%	4.2%	48.8%	65.4%
5-	62	8	54				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	86	8	4	90.5%	3.1%	84.4%	96.6%
1-2	74	12	2	75.6%	4.7%	66.5%	84.7%
2-3	60	8	3	65.3%	5.2%	55.1%	75.5%
3-4	49	4	2	59.8%	5.4%	49.2%	70.4%
4-5	43	6	4	51.1%	5.6%	40.1%	62.0%
5-	33	3	30				

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	355	64	32	81.1%	2.0%	77.2%	85.1%
1-2	259	73	15	57.6%	2.7%	52.4%	62.8%
2-3	171	50	8	40.3%	2.7%	35.0%	45.7%
3-4	113	22	6	32.3%	2.6%	27.1%	37.4%
4-5	85	18	2	25.4%	2.5%	20.4%	30.3%
5-	65	8	57				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	227	36	16	83.6%	2.4%	78.8%	88.3%
1-2	175	49	12	59.3%	3.3%	52.9%	65.8%
2-3	114	36	4	40.3%	3.4%	33.6%	46.9%
3-4	74	14	5	32.4%	3.3%	26.0%	38.8%
4-5	55	12	2	25.2%	3.1%	19.1%	31.3%
5-	41	5	36				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	128	28	16	76.7%	3.6%	69.6%	83.7%
1-2	84	24	3	54.4%	4.5%	45.5%	63.2%
2-3	57	14	4	40.5%	4.6%	31.6%	49.5%
3-4	39	8	1	32.1%	4.5%	23.4%	40.8%
4-5	30	6	0	25.7%	4.3%	17.3%	34.0%
5-	24	3	21				

Table 83-1

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	2,690	62	182	97.6%	0.3%	97.0%	98.2%
1-2	2,446	76	106	94.5%	0.4%	93.6%	95.4%
2-3	2,264	66	96	91.7%	0.5%	90.6%	92.8%
3-4	2,102	66	126	88.7%	0.6%	87.5%	90.0%
4-5	1,910	48	188	86.4%	0.7%	85.0%	87.7%
5-	1,674	78	1,596				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	1,489	43	88	97.0%	0.4%	96.2%	97.9%
1-2	1,358	51	53	93.3%	0.7%	92.0%	94.6%
2-3	1,254	43	55	90.0%	0.8%	88.5%	91.6%
3-4	1,156	41	73	86.7%	0.9%	85.0%	88.5%
4-5	1,042	32	96	83.9%	1.0%	82.0%	85.9%
5-	914	54	860				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	1,201	19	94	98.4%	0.4%	97.6%	99.1%
1-2	1,088	25	53	96.0%	0.6%	94.9%	97.2%
2-3	1,010	23	41	93.8%	0.7%	92.4%	95.2%
3-4	946	25	53	91.3%	0.9%	89.6%	92.9%
4-5	868	16	92	89.5%	0.9%	87.7%	91.3%
5-	760	24	736				

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 83-2

Curability B (cur B)

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	246	16	12	93.3%	1.6%	90.3%	96.4%
1-2	218	27	11	81.5%	2.5%	76.6%	86.3%
2-3	180	20	7	72.2%	2.9%	66.5%	78.0%
3-4	153	16	10	64.4%	3.1%	58.3%	70.6%
4-5	127	8	10	60.2%	3.3%	53.8%	66.6%
5-	109	19	90				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	126	8	3	93.6%	2.2%	89.3%	97.8%
1-2	115	12	5	83.6%	3.3%	77.1%	90.0%
2-3	98	13	6	72.2%	4.0%	64.3%	80.0%
3-4	79	6	4	66.5%	4.3%	58.1%	74.9%
4-5	69	3	5	63.5%	4.4%	54.9%	72.2%
5-	61	12	49				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	120	8	9	93.1%	2.3%	88.6%	97.5%
1-2	103	15	6	79.1%	3.8%	71.8%	86.5%
2-3	82	7	1	72.3%	4.2%	64.1%	80.6%
3-4	74	10	6	62.1%	4.6%	53.1%	71.2%
4-5	58	5	5	56.5%	4.8%	47.2%	65.9%
5-	48	7	41				

Table 83-3

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	479	143	57	68.3%	2.0%	64.3%	72.2%
1-2	279	105	20	41.6%	2.3%	37.1%	46.1%
2-3	154	56	9	26.0%	2.1%	21.8%	30.2%
3-4	89	24	5	18.8%	2.0%	15.0%	22.7%
4-5	60	6	4	16.9%	1.9%	13.1%	20.6%
5-	50	12	38				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	246	73	25	68.7%	2.8%	63.2%	74.3%
1-2	148	51	12	44.0%	3.2%	37.8%	50.3%
2-3	85	31	3	27.7%	3.0%	21.7%	33.6%
3-4	51	11	4	21.5%	2.8%	15.9%	27.0%
4-5	36	5	1	18.5%	2.7%	13.1%	23.8%
5-	30	8	22				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	233	70	32	67.7%	2.9%	62.0%	73.4%
1-2	131	54	8	38.9%	3.3%	32.5%	45.4%
2-3	69	25	6	24.2%	3.0%	18.3%	30.1%
3-4	38	13	1	15.8%	2.7%	10.5%	21.1%
4-5	24	1	3	15.1%	2.7%	9.9%	20.3%
5-	20	4	16				

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 84-1
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	1,636	50	77	96.9%	0.4%	96.0%	97.7%
1-2	1,509	65	53	92.6%	0.6%	91.4%	93.9%
2-3	1,391	56	66	88.8%	0.8%	87.3%	90.4%
3-4	1,269	60	53	84.5%	0.9%	82.7%	86.3%
4-5	1,156	39	118	81.5%	1.0%	79.6%	83.5%
5-	999	48	951				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	1,020	34	45	96.6%	0.6%	95.5%	97.7%
1-2	941	46	35	91.8%	0.9%	90.1%	93.5%
2-3	860	38	42	87.6%	1.0%	85.6%	89.7%
3-4	780	40	28	83.0%	1.2%	80.7%	85.4%
4-5	712	23	64	80.2%	1.3%	77.7%	82.8%
5-	625	35	590				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	616	16	32	97.3%	0.6%	96.1%	98.6%
1-2	568	19	18	94.0%	1.0%	92.1%	95.9%
2-3	531	18	24	90.8%	1.2%	88.4%	93.1%
3-4	489	20	25	87.0%	1.4%	84.2%	89.7%
4-5	444	16	54	83.6%	1.5%	80.6%	86.6%
5-	374	13	361				

Table 84-2
 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	175	14	10	91.8%	2.0%	87.8%	95.8%
1-2	151	23	11	77.3%	3.2%	71.0%	83.5%
2-3	117	21	4	63.2%	3.8%	55.8%	70.5%
3-4	92	12	4	54.7%	3.9%	47.0%	62.5%
4-5	76	10	1	47.5%	4.0%	39.6%	55.4%
5-	65	7	58				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	111	9	4	91.7%	2.6%	86.7%	96.8%
1-2	98	13	6	79.2%	3.8%	71.7%	86.7%
2-3	79	19	1	60.0%	4.8%	50.6%	69.4%
3-4	59	9	3	50.6%	4.9%	41.0%	60.3%
4-5	47	8	1	41.9%	4.9%	32.3%	51.6%
5-	38	4	34				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	64	5	6	91.8%	3.3%	85.3%	98.4%
1-2	53	10	5	73.6%	5.6%	62.7%	84.5%
2-3	38	2	3	69.6%	5.9%	58.0%	81.1%
3-4	33	3	1	63.2%	6.4%	50.7%	75.7%
4-5	29	2	0	58.8%	6.6%	45.8%	71.8%
5-	27	3	24				

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 84-3

Curability C (cur C)

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	255	53	26	78.1%	2.5%	73.2%	83.0%
1-2	176	63	8	49.5%	3.2%	43.2%	55.8%
2-3	105	35	4	32.7%	3.1%	26.6%	38.7%
3-4	66	15	3	25.1%	2.9%	19.4%	30.8%
4-5	48	10	2	19.7%	2.7%	14.4%	25.1%
5-	36	7	29				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	157	30	15	79.9%	3.1%	73.9%	86.0%
1-2	112	39	7	51.2%	4.1%	43.3%	59.2%
2-3	66	23	1	33.2%	4.0%	25.4%	41.0%
3-4	42	10	3	25.0%	3.7%	17.8%	32.3%
4-5	29	6	1	19.8%	3.5%	13.0%	26.5%
5-	22	3	19				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	98	23	11	75.1%	4.2%	66.9%	83.4%
1-2	64	24	1	46.7%	5.2%	36.5%	57.0%
2-3	39	12	3	31.8%	4.9%	22.2%	41.4%
3-4	24	5	0	25.2%	4.7%	16.0%	34.4%
4-5	19	4	1	19.7%	4.4%	11.2%	28.3%
5-	14	4	10				

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	119	0	11	100.0%	0.0%	100.0%	100.0%
1-2	108	4	6	96.2%	1.8%	92.6%	99.7%
2-3	98	1	4	95.2%	2.0%	91.2%	99.2%
3-4	93	2	2	93.1%	2.5%	88.3%	97.9%
4-5	89	1	7	92.0%	2.6%	86.8%	97.2%
5-	81	2	79				

SM

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	328	6	23	98.1%	0.7%	96.7%	99.6%
1-2	299	4	19	96.7%	1.0%	94.8%	98.7%
2-3	276	2	19	96.0%	1.1%	93.9%	98.2%
3-4	255	8	22	92.9%	1.5%	90.0%	95.8%
4-5	225	3	22	91.6%	1.6%	88.4%	94.8%
5-	200	7	193				

MP

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	284	5	19	98.2%	0.8%	96.6%	99.7%
1-2	260	7	6	95.5%	1.2%	93.1%	97.9%
2-3	247	4	9	93.9%	1.4%	91.1%	96.8%
3-4	234	7	11	91.1%	1.7%	87.6%	94.5%
4-5	216	3	17	89.7%	1.9%	86.1%	93.4%
5-	196	8	188				

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	586	10	44	98.2%	0.5%	97.2%	99.3%
1-2	532	21	26	94.3%	1.0%	92.3%	96.2%
2-3	485	10	24	92.3%	1.1%	90.0%	94.5%
3-4	451	11	28	89.9%	1.3%	87.4%	92.5%
4-5	412	7	46	88.3%	1.4%	85.6%	91.0%
5-	359	20	339				

SE/A2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	217	6	21	97.1%	1.1%	94.9%	99.3%
1-2	190	7	10	93.4%	1.7%	90.1%	96.8%
2-3	173	7	9	89.5%	2.1%	85.3%	93.8%
3-4	157	4	12	87.2%	2.4%	82.5%	91.8%
4-5	141	3	12	85.2%	2.6%	80.2%	90.2%
5-	126	7	119				

Si/Ai

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	59	3	1	94.9%	2.9%	89.3%	100.5%
1-2	55	5	2	86.1%	4.5%	77.3%	94.9%
2-3	48	3	0	80.7%	5.2%	70.6%	90.9%
3-4	45	1	5	78.8%	5.4%	68.3%	89.3%
4-5	39	2	2	74.7%	5.8%	63.3%	86.0%
5-	35	1	34				

Table 85-2

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	2	0	2	100.0%	0.0%	100.0%	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				

SM

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	11	0	1	100.0%	0.0%	100.0%	100.0%
1-2	10	0	0	100.0%	0.0%	100.0%	100.0%
2-3	10	0	0	100.0%	0.0%	100.0%	100.0%
3-4	10	0	2	100.0%	0.0%	100.0%	100.0%
4-5	8	1	0	87.5%	11.7%	64.6%	110.4%
5-	7	0	7				

MP

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	39	2	4	94.6%	3.5%	87.7%	101.5%
1-2	33	0	0	94.6%	3.5%	87.7%	101.5%
2-3	33	0	0	94.6%	3.5%	87.7%	101.5%
3-4	33	1	2	91.6%	4.4%	83.0%	100.3%
4-5	30	0	3	91.6%	4.4%	83.0%	100.3%
5-	27	1	26				

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	327	8	12	97.5%	0.9%	95.8%	99.2%
1-2	307	6	13	95.6%	1.1%	93.3%	97.8%
2-3	288	12	10	91.5%	1.6%	88.4%	94.6%
3-4	266	11	14	87.6%	1.9%	84.0%	91.3%
4-5	241	5	30	85.7%	2.0%	81.8%	89.6%
5-	206	9	197				

SE/A2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	295	10	24	96.5%	1.1%	94.4%	98.5%
1-2	261	7	13	93.8%	1.4%	91.1%	96.6%
2-3	241	9	11	90.2%	1.8%	86.8%	93.7%
3-4	221	8	10	86.9%	2.0%	82.9%	90.9%
4-5	203	6	12	84.2%	2.2%	79.9%	88.6%
5-	185	16	169				

Si/Ai

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	91	3	4	96.6%	1.9%	93.0%	100.3%
1-2	84	7	6	88.3%	3.4%	81.7%	94.9%
2-3	71	5	2	82.0%	4.1%	73.9%	90.0%
3-4	64	3	2	78.1%	4.5%	69.3%	86.8%
4-5	59	4	3	72.6%	4.9%	63.1%	82.2%
5-	52	2	50				

Table 85-3

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	2	0	0	100.0%	0.0%	100.0%	100.0%
1-2	2	0	0	100.0%	0.0%	100.0%	100.0%
2-3	2	0	0	100.0%	0.0%	100.0%	100.0%
3-4	2	0	0	100.0%	0.0%	100.0%	100.0%
4-5	2	0	1	100.0%	0.0%	100.0%	100.0%
5-	1	0	1				

SM

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	5	0	1	100.0%	0.0%	100.0%	100.0%
1-2	4	0	0	100.0%	0.0%	100.0%	100.0%
2-3	4	0	0	100.0%	0.0%	100.0%	100.0%
3-4	4	2	0	50.0%	25.0%	1.0%	99.0%
4-5	2	0	1	50.0%	25.0%	1.0%	99.0%
5-	1	0	1				

MP

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	16	0	0	100.0%	0.0%	100.0%	100.0%
1-2	16	0	0	100.0%	0.0%	100.0%	100.0%
2-3	16	2	0	87.5%	8.3%	71.3%	103.7%
3-4	14	0	1	87.5%	8.3%	71.3%	103.7%
4-5	13	2	2	72.9%	11.0%	51.3%	94.6%
5-	9	0	9				

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	122	6	3	95.0%	2.0%	91.2%	98.9%
1-2	113	3	3	92.5%	2.4%	87.8%	97.1%
2-3	107	6	4	87.2%	3.0%	81.2%	93.2%
3-4	97	1	2	86.3%	3.1%	80.1%	92.4%
4-5	94	6	9	80.5%	3.6%	73.3%	87.6%
5-	79	3	76				

SE/A2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	157	4	11	97.4%	1.3%	94.9%	99.8%
1-2	142	11	8	89.6%	2.5%	84.8%	94.4%
2-3	123	6	2	85.2%	2.9%	79.5%	90.9%
3-4	115	5	7	81.4%	3.2%	75.1%	87.7%
4-5	103	4	13	78.0%	3.5%	71.2%	84.8%
5-	86	8	78				

Si/Ai

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	57	1	4	98.2%	1.7%	94.8%	101.6%
1-2	52	4	2	90.5%	4.0%	82.7%	98.2%
2-3	46	1	2	88.5%	4.3%	80.0%	97.0%
3-4	43	4	5	79.7%	5.5%	68.9%	90.5%
4-5	34	2	3	74.8%	6.1%	62.9%	86.8%
5-	29	3	26				

Table 85-4

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	1	0	0	100.0%	0.0%	100.0%	100.0%
1-2	1	0	0	100.0%	0.0%	100.0%	100.0%
2-3	1	0	0	100.0%	0.0%	100.0%	100.0%
3-4	1	0	0	100.0%	0.0%	100.0%	100.0%
4-5	1	0	0	100.0%	0.0%	100.0%	100.0%
5-	1	0	1				

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	0	0	50.0%	35.4%	-19.3%	119.3%
2-3	1	0	0	50.0%	35.4%	-19.3%	119.3%
3-4	1	0	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	15	0	1	100.0%	0.0%	100.0%	100.0%
1-2	14	0	0	100.0%	0.0%	100.0%	100.0%
2-3	14	1	1	92.6%	6.9%	79.1%	106.0%
3-4	12	0	3	92.6%	6.9%	79.1%	106.0%
4-5	9	0	2	92.6%	6.9%	79.1%	106.0%
5-	7	2	5				

SE/A2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	24	2	4	90.9%	5.6%	79.9%	101.9%
1-2	18	4	0	70.7%	9.9%	51.3%	90.1%
2-3	14	2	1	60.2%	10.7%	39.3%	81.2%
3-4	11	1	1	54.5%	11.0%	33.0%	76.0%
4-5	9	1	0	48.4%	11.3%	26.3%	70.6%
5-	8	1	7				

Si/Ai

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	12	0	3	100.0%	0.0%	100.0%	100.0%
1-2	9	0	0	100.0%	0.0%	100.0%	100.0%
2-3	9	0	2	100.0%	0.0%	100.0%	100.0%
3-4	7	0	0	100.0%	0.0%	100.0%	100.0%
4-5	7	1	0	85.7%	13.2%	59.8%	111.6%
5-	6	0	6				

Table 85-5

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	0					
1-2						
2-3						
3-4						
4-5						
5-						

MP

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	0					
1-2						
2-3						
3-4						
4-5						
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	4	0	1	100.0%	0.0%	100.0%	100.0%
1-2	3	1	1	60.0%	24.5%	12.0%	108.0%
2-3	1	1	0	0.0%			
3-4	0	0	0				
4-5	0	0	0				
5-	0	0	0				

SE/A2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	15	5	3	63.0%	11.5%	40.4%	85.5%
1-2	7	2	0	45.0%	13.5%	18.5%	71.5%
2-3	5	1	0	36.0%	13.5%	9.5%	62.4%
3-4	4	2	0	18.0%	11.2%	-4.0%	40.0%
4-5	2	0	0	18.0%	11.2%	-4.0%	40.0%
5-	2	0	2				

Si/Ai

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	12	1	2	90.9%	7.9%	75.4%	106.4%
1-2	9	2	0	70.7%	14.0%	43.2%	98.2%
2-3	7	1	1	59.8%	15.0%	30.4%	89.3%
3-4	5	0	1	59.8%	15.0%	30.4%	89.3%
4-5	4	0	0	59.8%	15.0%	30.4%	89.3%
5-	4	0	4				

Table 86-1

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	56	1	7	98.1%	1.8%	94.6%	101.6%
1-2	48	1	6	95.9%	2.7%	90.7%	101.1%
2-3	41	2	5	90.9%	4.1%	82.9%	98.9%
3-4	34	0	1	90.9%	4.1%	82.9%	98.9%
4-5	33	1	7	87.9%	4.8%	78.5%	97.2%
5-	25	1	24				

SM

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	143	0	6	100.0%	0.0%	100.0%	100.0%
1-2	137	1	1	99.3%	0.7%	97.8%	100.7%
2-3	135	0	8	99.3%	0.7%	97.8%	100.7%
3-4	127	5	5	95.3%	1.8%	91.7%	98.9%
4-5	117	2	9	93.6%	2.1%	89.4%	97.8%
5-	106	0	106				

MP

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	234	8	12	96.5%	1.2%	94.2%	98.8%
1-2	214	3	8	95.1%	1.4%	92.4%	97.9%
2-3	203	5	8	92.7%	1.7%	89.4%	96.1%
3-4	190	7	10	89.2%	2.1%	85.1%	93.3%
4-5	173	5	17	86.5%	2.3%	82.0%	91.0%
5-	151	8	143				

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	348	5	22	98.5%	0.6%	97.3%	99.8%
1-2	321	14	9	94.2%	1.3%	91.7%	96.7%
2-3	298	12	11	90.3%	1.6%	87.1%	93.5%
3-4	275	6	11	88.3%	1.8%	84.8%	91.8%
4-5	258	3	25	87.2%	1.9%	83.6%	90.8%
5-	230	8	222				

SE/A2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	140	10	4	92.8%	2.2%	88.5%	97.0%
1-2	126	3	2	90.5%	2.5%	85.7%	95.4%
2-3	121	9	8	83.6%	3.1%	77.4%	89.7%
3-4	104	7	4	77.8%	3.6%	70.8%	84.8%
4-5	93	2	7	76.1%	3.7%	68.9%	83.3%
5-	84	12	72				

Si/Ai

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	34	4	2	87.9%	5.5%	77.1%	98.7%
1-2	28	1	2	84.6%	6.1%	72.6%	96.6%
2-3	25	0	0	84.6%	6.1%	72.6%	96.6%
3-4	25	4	0	71.1%	8.1%	55.3%	86.9%
4-5	21	0	1	71.1%	8.1%	55.3%	86.9%
5-	20	2	18				

Table 86-2

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%	0.0%	100.0%	100.0%
1-2	1	0	0	100.0%	0.0%	100.0%	100.0%
2-3	1	0	0	100.0%	0.0%	100.0%	100.0%
3-4	1	0	0	100.0%	0.0%	100.0%	100.0%
4-5	1	0	0	100.0%	0.0%	100.0%	100.0%
5-	1	0	1				

SM

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

MP

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	44	0	1	100.0%	0.0%	100.0%	100.0%
1-2	43	2	2	95.2%	3.2%	89.0%	101.5%
2-3	39	2	0	90.4%	4.5%	81.5%	99.2%
3-4	37	3	1	82.9%	5.8%	71.5%	94.3%
4-5	33	0	2	82.9%	5.8%	71.5%	94.3%
5-	31	1	30				

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	246	7	8	97.1%	1.1%	95.0%	99.2%
1-2	231	11	5	92.4%	1.7%	89.1%	95.8%
2-3	215	10	10	88.0%	2.1%	83.9%	92.1%
3-4	195	11	8	83.0%	2.4%	78.2%	87.8%
4-5	176	12	16	77.0%	2.8%	71.6%	82.4%
5-	148	4	144				

SE/A2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	180	5	8	97.2%	1.2%	94.8%	99.6%
1-2	167	7	10	93.0%	1.9%	89.2%	96.7%
2-3	150	5	8	89.8%	2.3%	85.3%	94.3%
3-4	137	11	5	82.4%	3.0%	76.6%	88.2%
4-5	121	4	10	79.6%	3.2%	73.4%	85.8%
5-	107	8	99				

Si/Ai

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	52	6	3	88.1%	4.4%	79.5%	96.8%
1-2	43	5	1	77.8%	5.8%	66.4%	89.1%
2-3	37	4	1	69.2%	6.5%	56.5%	82.0%
3-4	32	4	1	60.4%	7.0%	46.8%	74.1%
4-5	27	0	2	60.4%	7.0%	46.8%	74.1%
5-	25	0	25				

Table 86-3

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	2	0	0	100.0%	0.0%	100.0%	100.0%
1-2	2	0	0	100.0%	0.0%	100.0%	100.0%
2-3	2	0	0	100.0%	0.0%	100.0%	100.0%
3-4	2	0	0	100.0%	0.0%	100.0%	100.0%
4-5	2	0	0	100.0%	0.0%	100.0%	100.0%
5-	2	1	1				

MP

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	3	0	0	100.0%	0.0%	100.0%	100.0%
1-2	3	0	0	100.0%	0.0%	100.0%	100.0%
2-3	3	0	0	100.0%	0.0%	100.0%	100.0%
3-4	3	0	0	100.0%	0.0%	100.0%	100.0%
4-5	3	1	1	60.0%	24.5%	12.0%	108.0%
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	68	1	3	98.5%	1.5%	95.6%	101.4%
1-2	64	9	2	84.4%	4.4%	75.7%	93.1%
2-3	53	3	3	79.5%	5.0%	69.8%	89.2%
3-4	47	5	4	70.7%	5.7%	59.6%	81.8%
4-5	38	3	5	64.7%	6.0%	52.9%	76.5%
5-	30	3	27				

SE/A2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	74	2	4	97.2%	1.9%	93.5%	100.9%
1-2	68	8	6	85.3%	4.1%	77.2%	93.3%
2-3	54	6	1	75.7%	5.2%	65.6%	85.8%
3-4	47	3	3	70.7%	5.5%	59.9%	81.5%
4-5	41	5	3	61.8%	6.0%	50.0%	73.5%
5-	33	2	31				

Si/Ai

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	30	4	0	86.7%	6.2%	74.5%	98.8%
1-2	26	5	0	70.0%	8.4%	53.6%	86.4%
2-3	21	1	4	66.3%	8.6%	49.5%	83.1%
3-4	16	0	0	66.3%	8.6%	49.5%	83.1%
4-5	16	0	2	66.3%	8.6%	49.5%	83.1%
5-	14	1	13				

Table 86-4

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	1	0	0	100.0%	0.0%	100.0% 100.0%
1-2	1	0	0	100.0%	0.0%	100.0% 100.0%
2-3	1	0	0	100.0%	0.0%	100.0% 100.0%
3-4	1	0	0	100.0%	0.0%	100.0% 100.0%
4-5	1	0	1	100.0%	0.0%	100.0% 100.0%
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	14	2	0	85.7%	9.4%	67.4%	104.0%
1-2	12	4	1	55.9%	12.9%	30.5%	81.3%
2-3	7	1	0	47.9%	13.3%	21.8%	74.0%
3-4	6	0	1	47.9%	13.3%	21.8%	74.0%
4-5	5	0	1	47.9%	13.3%	21.8%	74.0%
5-	4	0	4				

SE/A2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	20	5	0	75.0%	9.7%	56.0%	94.0%
1-2	15	3	0	60.0%	11.0%	38.5%	81.5%
2-3	12	0	1	60.0%	11.0%	38.5%	81.5%
3-4	11	2	0	49.1%	11.4%	26.8%	71.4%
4-5	9	1	0	43.6%	11.3%	21.4%	65.8%
5-	8	2	6				

Si/Ai

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	18	2	2	88.2%	7.4%	73.8%	102.6%
1-2	14	4	0	63.0%	11.9%	39.7%	86.3%
2-3	10	3	0	44.1%	12.4%	19.9%	68.3%
3-4	7	1	0	37.8%	12.1%	14.1%	61.5%
4-5	6	0	0	37.8%	12.1%	14.1%	61.5%
5-	6	1	5				

Table 86-5

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	2	0	1	100.0%	0.0%	100.0%	100.0%
1-2	1	0	0	100.0%	0.0%	100.0%	100.0%
2-3	1	0	0	100.0%	0.0%	100.0%	100.0%
3-4	1	0	0	100.0%	0.0%	100.0%	100.0%
4-5	1	0	0	100.0%	0.0%	100.0%	100.0%
5-	1	0	1				

SM

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	2	0	0	100.0%	0.0%	100.0%	100.0%
1-2	2	0	0	100.0%	0.0%	100.0%	100.0%
2-3	2	0	0	100.0%	0.0%	100.0%	100.0%
3-4	2	0	0	100.0%	0.0%	100.0%	100.0%
4-5	2	0	0	100.0%	0.0%	100.0%	100.0%
5-	2	0	2				

MP

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	0						
1-2							
2-3							
3-4							
4-5							
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	4	0	0	100.0%	0.0%	100.0%	100.0%
1-2	4	2	0	50.0%	25.0%	1.0%	99.0%
2-3	2	0	0	50.0%	25.0%	1.0%	99.0%
3-4	2	0	0	50.0%	25.0%	1.0%	99.0%
4-5	2	1	0	25.0%	21.7%	-17.4%	67.4%
5-	1	0	1				

SE/A2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	11	2	0	81.8%	11.6%	59.0%	104.6%
1-2	9	2	1	62.6%	14.3%	34.6%	90.5%
2-3	6	0	0	62.6%	14.3%	34.6%	90.5%
3-4	6	1	0	52.1%	15.2%	22.3%	82.0%
4-5	5	2	0	31.3%	14.6%	2.6%	60.0%
5-	3	0	3				

Si/Ai

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	5	2	0	60.0%	21.9%	17.1%	102.9%
1-2	3	0	0	60.0%	21.9%	17.1%	102.9%
2-3	3	1	0	40.0%	21.9%	-2.9%	82.9%
3-4	2	0	0	40.0%	21.9%	-2.9%	82.9%
4-5	2	1	0	20.0%	17.9%	-15.1%	55.1%
5-	1	1	0				

Table 87-1

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	155	1	14	99.3%	0.6%	98.1%	100.6%
1-2	140	4	12	96.4%	1.5%	93.4%	99.4%
2-3	124	0	5	96.4%	1.5%	93.4%	99.4%
3-4	119	6	8	91.3%	2.4%	86.6%	96.1%
4-5	105	2	10	89.5%	2.7%	84.3%	94.7%
5-	93	0	93				

sm

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	296	4	25	98.6%	0.7%	97.3%	99.9%
1-2	267	6	15	96.3%	1.1%	94.1%	98.5%
2-3	246	2	17	95.5%	1.2%	93.1%	97.9%
3-4	227	8	18	92.0%	1.7%	88.7%	95.3%
4-5	201	2	23	91.0%	1.8%	87.6%	94.5%
5-	176	8	168				

mp

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	273	4	25	98.5%	0.7%	97.0%	99.9%
1-2	244	6	8	96.0%	1.2%	93.6%	98.4%
2-3	230	3	8	94.7%	1.4%	92.0%	97.5%
3-4	219	6	11	92.1%	1.7%	88.7%	95.4%
4-5	202	2	14	91.1%	1.8%	87.6%	94.7%
5-	186	3	183				

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	846	20	47	97.6%	0.5%	96.5%	98.6%
1-2	779	18	25	95.3%	0.7%	93.8%	96.7%
2-3	736	23	29	92.2%	0.9%	90.4%	94.1%
3-4	684	14	39	90.3%	1.0%	88.3%	92.3%
4-5	631	8	68	89.1%	1.1%	86.9%	91.3%
5-	555	21	534				

se/a2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	205	10	19	94.9%	1.5%	91.9%	97.8%
1-2	176	8	21	90.3%	2.1%	86.3%	94.3%
2-3	147	5	9	87.1%	2.4%	82.4%	91.8%
3-4	133	5	8	83.8%	2.7%	78.4%	89.1%
4-5	120	3	13	81.5%	2.9%	75.8%	87.2%
5-	104	9	95				

si/ai

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	60	2	1	96.6%	2.3%	92.1%	101.2%
1-2	57	2	2	93.2%	3.2%	86.8%	99.5%
2-3	53	2	1	89.6%	4.0%	81.9%	97.4%
3-4	50	1	8	87.7%	4.3%	79.3%	96.0%
4-5	41	4	4	78.7%	5.6%	67.8%	89.6%
5-	33	3	30				

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	2	0	0	100.0%	0.0%	100.0%	100.0%
1-2	2	0	0	100.0%	0.0%	100.0%	100.0%
2-3	2	0	0	100.0%	0.0%	100.0%	100.0%
3-4	2	0	0	100.0%	0.0%	100.0%	100.0%
4-5	2	0	0	100.0%	0.0%	100.0%	100.0%
5-	2	0	2				

sm

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	29	1	1	96.5%	3.4%	89.9%	103.1%
1-2	27	0	1	96.5%	3.4%	89.9%	103.1%
2-3	26	1	1	92.7%	4.9%	83.1%	102.3%
3-4	24	0	3	92.7%	4.9%	83.1%	102.3%
4-5	21	0	3	92.7%	4.9%	83.1%	102.3%
5-	18	0	18				

mp

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	51	1	4	98.0%	1.9%	94.2%	101.8%
1-2	46	2	3	93.6%	3.5%	86.7%	100.4%
2-3	41	0	0	93.6%	3.5%	86.7%	100.4%
3-4	41	1	3	91.2%	4.1%	83.2%	99.2%
4-5	37	0	5	91.2%	4.1%	83.2%	99.2%
5-	32	5	27				

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	335	6	21	98.2%	0.7%	96.7%	99.6%
1-2	308	14	9	93.6%	1.4%	91.0%	96.3%
2-3	285	11	10	89.9%	1.7%	86.6%	93.2%
3-4	264	9	11	86.8%	1.9%	83.1%	90.6%
4-5	244	9	26	83.4%	2.1%	79.3%	87.6%
5-	209	12	197				

se/a2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	147	3	10	97.9%	1.2%	95.6%	100.2%
1-2	134	5	9	94.1%	2.0%	90.3%	97.9%
2-3	120	9	2	87.0%	2.9%	81.3%	92.7%
3-4	109	5	10	82.8%	3.3%	76.4%	89.2%
4-5	94	3	5	80.1%	3.5%	73.3%	86.9%
5-	86	9	77				

si/ai

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	28	1	1	96.4%	3.5%	89.5%	103.2%
1-2	26	4	0	81.5%	7.4%	67.0%	96.1%
2-3	22	1	3	77.6%	7.9%	62.0%	93.1%
3-4	18	5	1	55.4%	9.9%	36.0%	74.8%
4-5	12	1	1	50.6%	10.0%	30.9%	70.3%
5-	10	1	9				

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	9	0	1	100.0%	0.0%	100.0%	100.0%
1-2	8	1	0	87.5%	11.7%	64.6%	110.4%
2-3	7	1	0	75.0%	15.3%	45.0%	105.0%
3-4	6	0	0	75.0%	15.3%	45.0%	105.0%
4-5	6	0	2	75.0%	15.3%	45.0%	105.0%
5-	4	1	3				

mp

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	21	0	0	100.0%	0.0%	100.0%	100.0%
1-2	21	0	0	100.0%	0.0%	100.0%	100.0%
2-3	21	2	0	90.5%	6.4%	77.9%	103.0%
3-4	19	0	2	90.5%	6.4%	77.9%	103.0%
4-5	17	2	0	79.8%	9.1%	62.1%	97.6%
5-	15	1	14				

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/al

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	130	7	4	94.5%	2.0%	90.7%	98.4%
1-2	119	7	3	88.9%	2.8%	83.5%	94.3%
2-3	109	2	7	87.2%	2.9%	81.5%	93.0%
3-4	100	2	2	85.5%	3.1%	79.3%	91.6%
4-5	96	7	9	78.9%	3.7%	71.7%	86.1%
5-	80	7	73				

se/a2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	75	4	7	94.4%	2.6%	89.3%	99.5%
1-2	64	6	3	85.3%	4.2%	77.2%	93.5%
2-3	55	6	3	75.8%	5.1%	65.7%	85.8%
3-4	46	7	2	64.0%	5.9%	52.4%	75.5%
4-5	37	2	3	60.4%	6.1%	48.5%	72.2%
5-	32	3	29				

si/ai

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	23	5	2	77.3%	8.5%	60.6%	93.9%
1-2	16	3	1	62.3%	10.1%	42.4%	82.2%
2-3	12	3	1	46.1%	10.7%	25.0%	67.1%
3-4	8	0	0	46.1%	10.7%	25.0%	67.1%
4-5	8	2	0	34.5%	10.7%	13.6%	55.5%
5-	6	1	5				

Table 87-4

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	2	0	0	100.0%	0.0%	100.0% 100.0%
1-2	2	1	0	50.0%	35.4%	-19.3% 119.3%
2-3	1	0	0	50.0%	35.4%	-19.3% 119.3%
3-4	1	0	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	21	0	4	100.0%	0.0%	100.0%	100.0%
1-2	17	3	0	82.4%	9.2%	64.2%	100.5%
2-3	14	1	0	76.5%	10.3%	56.3%	96.6%
3-4	13	0	1	76.5%	10.3%	56.3%	96.6%
4-5	12	0	0	76.5%	10.3%	56.3%	96.6%
5-	12	1	11				

se/a2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	21	3	3	84.6%	7.5%	69.8%	99.4%
1-2	15	4	0	62.1%	11.1%	40.2%	83.9%
2-3	11	1	0	56.4%	11.5%	33.9%	78.9%
3-4	10	0	0	56.4%	11.5%	33.9%	78.9%
4-5	10	2	0	45.1%	11.6%	22.4%	67.9%
5-	8	0	8				

si/ai

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	2	0	1	100.0%	0.0%	100.0%	100.0%
1-2	1	0	0	100.0%	0.0%	100.0%	100.0%
2-3	1	1	0	0.0%			
3-4	0	0	0				
4-5	0	0	0				
5-	0	0	0				

Table 87-5

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	1	0	0	100.0%	0.0%	100.0%	100.0%
1-2	1	0	0	100.0%	0.0%	100.0%	100.0%
2-3	1	0	0	100.0%	0.0%	100.0%	100.0%
3-4	1	0	0	100.0%	0.0%	100.0%	100.0%
4-5	1	0	0	100.0%	0.0%	100.0%	100.0%
5-	1	0	1				

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	1	0	0	100.0%	0.0%	100.0%	100.0%
1-2	1	0	0	100.0%	0.0%	100.0%	100.0%
2-3	1	0	0	100.0%	0.0%	100.0%	100.0%
3-4	1	0	0	100.0%	0.0%	100.0%	100.0%
4-5	1	0	0	100.0%	0.0%	100.0%	100.0%
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	5	0	1	100.0%	0.0%	100.0%	100.0%
1-2	4	1	0	75.0%	21.7%	32.6%	117.4%
2-3	3	1	1	45.0%	22.5%	0.9%	89.1%
3-4	1	0	0	45.0%	22.5%	0.9%	89.1%
4-5	1	0	0	45.0%	22.5%	0.9%	89.1%
5-	1	0	1				

se/a2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	14	3	1	77.8%	10.9%	56.5%	99.1%
1-2	10	5	1	36.8%	12.7%	11.9%	61.8%
2-3	4	0	0	36.8%	12.7%	11.9%	61.8%
3-4	4	1	0	27.6%	12.4%	3.2%	52.0%
4-5	3	1	0	18.4%	11.2%	-3.5%	40.4%
5-	2	1	1				

si/ai

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	1	0	0	100.0%	0.0%	100.0%	100.0%
1-2	1	0	0	100.0%	0.0%	100.0%	100.0%
2-3	1	0	0	100.0%	0.0%	100.0%	100.0%
3-4	1	0	0	100.0%	0.0%	100.0%	100.0%
4-5	1	0	0	100.0%	0.0%	100.0%	100.0%
5-	1	0	1				

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	66	1	4	98.4%	1.5%	95.5%	101.4%
1-2	61	2	2	95.2%	2.7%	89.9%	100.4%
2-3	57	4	6	88.1%	4.0%	80.2%	96.0%
3-4	47	1	2	86.2%	4.4%	77.6%	94.8%
4-5	44	1	7	84.1%	4.7%	74.9%	93.2%
5-	36	0	36				

sm

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	140	1	5	99.3%	0.7%	97.9%	100.7%
1-2	134	1	4	98.5%	1.0%	96.5%	100.5%
2-3	129	1	9	97.7%	1.3%	95.2%	100.2%
3-4	119	2	5	96.1%	1.7%	92.7%	99.4%
4-5	112	2	9	94.3%	2.1%	90.2%	98.3%
5-	101	1	100				

mp

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	244	8	10	96.7%	1.1%	94.4%	98.9%
1-2	226	3	10	95.3%	1.3%	92.7%	98.0%
2-3	213	4	8	93.5%	1.6%	90.4%	96.6%
3-4	201	6	8	90.7%	1.9%	86.9%	94.4%
4-5	187	6	21	87.6%	2.2%	83.3%	91.9%
5-	160	8	152				

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/al

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	371	8	19	97.8%	0.8%	96.3%	99.3%
1-2	344	13	8	94.0%	1.2%	91.6%	96.5%
2-3	323	12	11	90.5%	1.5%	87.5%	93.5%
3-4	300	5	9	89.0%	1.7%	85.7%	92.2%
4-5	286	4	27	87.7%	1.8%	84.2%	91.1%
5-	255	13	242				

se/a2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	135	7	6	94.7%	1.9%	91.0%	98.4%
1-2	122	2	4	93.1%	2.2%	88.9%	97.4%
2-3	116	6	7	88.2%	2.8%	82.7%	93.6%
3-4	103	4	3	84.7%	3.2%	78.5%	90.9%
4-5	96	5	11	80.0%	3.6%	73.0%	87.0%
5-	80	5	75				

si/ai

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	41	4	1	90.1%	4.6%	81.1%	99.2%
1-2	36	1	1	87.6%	5.1%	77.5%	97.6%
2-3	34	2	0	82.4%	6.0%	70.7%	94.2%
3-4	32	5	2	69.1%	7.3%	54.9%	83.4%
4-5	25	0	1	69.1%	7.3%	54.9%	83.4%
5-	24	4	20				

Table 88-2

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	0					
1-2						
2-3						
3-4						
4-5						
5-						

sm

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	20	0	1	100.0%	0.0%	100.0% 100.0%
1-2	19	0	0	100.0%	0.0%	100.0% 100.0%
2-3	19	0	1	100.0%	0.0%	100.0% 100.0%
3-4	18	1	2	94.1%	5.4%	83.6% 104.7%
4-5	15	0	2	94.1%	5.4%	83.6% 104.7%
5-	13	0	13			

mp

Year	Alive	Died	Lost	SR	SE	95%CI
0-1	57	2	2	96.4%	2.4%	91.7% 101.2%
1-2	53	0	0	96.4%	2.4%	91.7% 101.2%
2-3	53	1	0	94.6%	3.0%	88.7% 100.5%
3-4	52	1	3	92.7%	3.4%	86.0% 99.5%
4-5	48	3	4	86.7%	4.6%	77.8% 95.6%
5-	41	2	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

ss/a1

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	212	5	7	97.6%	1.0%	95.6%	99.6%
1-2	200	11	7	92.1%	1.9%	88.5%	95.8%
2-3	182	10	10	86.9%	2.3%	82.3%	91.5%
3-4	162	10	8	81.4%	2.7%	76.1%	86.8%
4-5	144	8	12	76.7%	3.0%	70.8%	82.6%
5-	124	5	119				

se/a2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	128	7	6	94.4%	2.0%	90.5%	98.3%
1-2	115	13	6	83.4%	3.3%	77.0%	89.9%
2-3	96	6	5	78.1%	3.7%	70.8%	85.4%
3-4	85	17	2	62.3%	4.5%	53.5%	71.1%
4-5	66	2	8	60.3%	4.5%	51.4%	69.2%
5-	56	3	53				

si/ai

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	20	3	3	83.8%	7.9%	68.4%	99.2%
1-2	14	1	2	77.3%	9.3%	59.2%	95.5%
2-3	11	2	0	63.3%	11.8%	40.2%	86.3%
3-4	9	2	1	48.4%	12.5%	24.0%	72.8%
4-5	6	0	2	48.4%	12.5%	24.0%	72.8%
5-	4	1	3				

Table 88-3

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	1	0	0	100.0%	0.0%	100.0%	100.0%
1-2	1	0	0	100.0%	0.0%	100.0%	100.0%
2-3	1	0	0	100.0%	0.0%	100.0%	100.0%
3-4	1	0	0	100.0%	0.0%	100.0%	100.0%
4-5	1	0	0	100.0%	0.0%	100.0%	100.0%
5-	1	0	1				

mp

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	12	2	0	83.3%	10.8%	62.2%	104.4%
1-2	10	0	1	83.3%	10.8%	62.2%	104.4%
2-3	9	0	0	83.3%	10.8%	62.2%	104.4%
3-4	9	0	0	83.3%	10.8%	62.2%	104.4%
4-5	9	1	0	74.1%	12.9%	48.7%	99.5%
5-	8	1	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

ss/a1

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	83	1	6	98.8%	1.2%	96.4%	101.1%
1-2	76	7	2	89.5%	3.4%	82.8%	96.3%
2-3	67	6	5	81.2%	4.4%	72.6%	89.8%
3-4	56	7	3	70.8%	5.2%	60.5%	81.1%
4-5	46	3	3	66.0%	5.5%	55.2%	76.8%
5-	40	5	35				

se/a2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	62	3	2	95.1%	2.7%	89.7%	100.4%
1-2	57	13	4	72.6%	5.6%	61.6%	83.6%
2-3	40	3	3	67.0%	6.0%	55.2%	78.7%
3-4	34	1	2	64.9%	6.1%	52.9%	76.9%
4-5	31	2	3	60.5%	6.4%	48.0%	73.0%
5-	26	2	24				

si/ai

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	12	2	0	83.3%	10.8%	62.2%	104.4%
1-2	10	1	0	75.0%	12.5%	50.5%	99.5%
2-3	9	2	1	57.4%	14.0%	29.9%	84.8%
3-4	6	2	0	38.2%	14.5%	9.9%	66.6%
4-5	4	1	0	28.7%	13.6%	1.9%	55.4%
5-	3	0	3				

Table 88-4

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	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%	0.0%	100.0%	100.0%
1-2	5	1	0	80.0%	17.9%	44.9%	115.1%
2-3	4	0	0	80.0%	17.9%	44.9%	115.1%
3-4	4	0	0	80.0%	17.9%	44.9%	115.1%
4-5	4	0	1	80.0%	17.9%	44.9%	115.1%
5-	3	1	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

ss/ai

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	18	1	0	94.4%	5.4%	83.9%	105.0%
1-2	17	2	0	83.3%	8.8%	66.1%	100.6%
2-3	15	1	0	77.8%	9.8%	58.6%	97.0%
3-4	14	2	0	66.7%	11.1%	44.9%	88.4%
4-5	12	3	3	47.6%	11.2%	25.6%	69.6%
5-	6	0	6				

se/a2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	22	6	2	71.4%	9.3%	53.2%	89.7%
1-2	14	4	0	51.0%	10.9%	29.7%	72.4%
2-3	10	1	0	45.9%	10.9%	24.5%	67.4%
3-4	9	1	2	40.2%	10.7%	19.3%	61.1%
4-5	6	2	0	26.8%	10.5%	6.2%	47.4%
5-	4	1	3				

si/ai

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	15	3	2	78.6%	10.1%	58.7%	98.5%
1-2	10	5	0	39.3%	13.4%	13.0%	65.6%
2-3	5	3	0	15.7%	10.1%	-4.2%	35.6%
3-4	2	0	0	15.7%	10.1%	-4.2%	35.6%
4-5	2	0	0	15.7%	10.1%	-4.2%	35.6%
5-	2	1	1				

Table 88-5

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	2	0	1	100.0%	0.0%	100.0%	100.0%
1-2	1	0	0	100.0%	0.0%	100.0%	100.0%
2-3	1	0	0	100.0%	0.0%	100.0%	100.0%
3-4	1	0	0	100.0%	0.0%	100.0%	100.0%
4-5	1	0	0	100.0%	0.0%	100.0%	100.0%
5-	1	0	1				

sm

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	2	0	0	100.0%	0.0%	100.0%	100.0%
1-2	2	0	0	100.0%	0.0%	100.0%	100.0%
2-3	2	0	0	100.0%	0.0%	100.0%	100.0%
3-4	2	0	0	100.0%	0.0%	100.0%	100.0%
4-5	2	0	0	100.0%	0.0%	100.0%	100.0%
5-	2	0	2				

mp

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	1	0	0	100.0%	0.0%	100.0%	100.0%
1-2	1	0	0	100.0%	0.0%	100.0%	100.0%
2-3	1	0	0	100.0%	0.0%	100.0%	100.0%
3-4	1	0	0	100.0%	0.0%	100.0%	100.0%
4-5	1	0	0	100.0%	0.0%	100.0%	100.0%
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/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	1	0	88.9%	10.5%	68.4%	109.4%
2-3	8	1	0	77.8%	13.9%	50.6%	104.9%
3-4	7	1	0	66.7%	15.7%	35.9%	97.5%
4-5	6	1	0	55.6%	16.6%	23.1%	88.0%
5-	5	0	5				

se/a2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	12	3	1	73.9%	12.3%	49.8%	98.1%
1-2	8	1	1	64.1%	13.7%	37.2%	90.9%
2-3	6	1	0	53.4%	15.0%	24.0%	82.8%
3-4	5	0	0	53.4%	15.0%	24.0%	82.8%
4-5	5	2	1	29.7%	13.7%	2.9%	56.4%
5-	2	0	2				

si/ai

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	2	0	1	100.0%	0.0%	100.0%	100.0%
1-2	1	0	0	100.0%	0.0%	100.0%	100.0%
2-3	1	0	0	100.0%	0.0%	100.0%	100.0%
3-4	1	0	0	100.0%	0.0%	100.0%	100.0%
4-5	1	0	1	100.0%	0.0%	100.0%	100.0%
5-	0	0	0				

Table 89-1
Liver metastasis (synchronous)
Colon cancer, surgical cases

H0							
Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	3,144	119	217	96.1%	0.3%	95.4%	96.7%
1-2	2,808	142	125	91.1%	0.5%	90.1%	92.1%
2-3	2,541	100	110	87.4%	0.6%	86.3%	88.6%
3-4	2,331	89	142	84.0%	0.7%	82.7%	85.3%
4-5	2,100	58	216	81.6%	0.7%	80.1%	83.0%
5-	1,826	103	1,723				

H1							
Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	152	19	14	86.9%	2.7%	81.7%	92.1%
1-2	119	26	8	67.3%	3.9%	59.7%	74.8%
2-3	85	22	2	49.6%	4.3%	41.3%	58.0%
3-4	61	9	3	42.1%	4.3%	33.8%	50.5%
4-5	49	4	3	38.6%	4.2%	30.3%	46.9%
5-	42	5	37				

H2							
Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	68	17	11	72.8%	5.1%	62.8%	82.8%
1-2	40	16	2	42.9%	6.3%	30.6%	55.3%
2-3	22	4	0	35.1%	6.3%	22.9%	47.4%
3-4	18	4	0	27.3%	6.0%	15.6%	39.0%
4-5	14	1	1	25.3%	5.8%	13.9%	36.7%
5-	12	2	10				

H3							
Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	219	87	20	58.4%	3.2%	52.1%	64.6%
1-2	112	46	6	33.7%	3.2%	27.4%	40.1%
2-3	60	23	5	20.2%	2.8%	14.7%	25.8%
3-4	32	6	3	16.3%	2.7%	11.0%	21.5%
4-5	23	2	2	14.8%	2.6%	9.7%	19.9%
5-	19	6	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

Table 89-2

Liver metastasis (synchronous)

Rectal cancer, surgical cases

H0

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	1,905	78	92	95.8%	0.5%	94.9%	96.7%
1-2	1,735	104	59	90.0%	0.7%	88.6%	91.3%
2-3	1,572	83	73	85.1%	0.8%	83.5%	86.7%
3-4	1,416	79	59	80.3%	0.9%	78.4%	82.1%
4-5	1,278	52	126	76.8%	1.0%	74.9%	78.8%
5-	1,100	60	1,040				

H1

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	89	9	6	89.5%	3.2%	83.3%	95.8%
1-2	74	18	3	67.3%	5.0%	57.4%	77.2%
2-3	53	11	1	53.2%	5.5%	42.5%	63.9%
3-4	41	4	3	47.8%	5.5%	37.1%	58.6%
4-5	34	4	0	42.2%	5.5%	31.4%	53.0%
5-	30	4	26				

H2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	52	6	6	87.8%	4.4%	79.1%	96.4%
1-2	40	5	2	76.5%	6.0%	64.8%	88.2%
2-3	33	10	1	53.0%	7.3%	38.6%	67.4%
3-4	22	4	0	43.3%	7.4%	28.8%	57.9%
4-5	18	2	1	38.4%	7.3%	24.0%	52.7%
5-	15	3	12				

H3

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	105	39	11	60.8%	4.6%	51.9%	69.7%
1-2	55	26	7	30.1%	4.5%	21.4%	38.8%
2-3	22	14	2	10.0%	3.2%	3.8%	16.3%
3-4	6	5	0	1.7%	1.6%	-1.5%	4.8%
4-5	1	1	0	0.0%			
5-	0	0	0				

Table 90-1
 Peritoneal metastasis (synchronous)
 Colon cancer, surgical cases

P0							
Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	3,350	173	238	94.6%	0.4%	93.9%	95.4%
1-2	2,939	181	136	88.7%	0.6%	87.6%	89.8%
2-3	2,622	124	112	84.4%	0.6%	83.1%	85.6%
3-4	2,386	90	145	81.1%	0.7%	79.7%	82.5%
4-5	2,151	61	218	78.7%	0.7%	77.2%	80.1%
5-	1,872	108	1,764				

P1							
Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	103	25	12	74.2%	4.1%	66.1%	82.3%
1-2	66	19	3	52.4%	5.0%	42.5%	62.2%
2-3	44	7	3	43.7%	5.1%	33.8%	53.7%
3-4	34	10	1	30.7%	4.9%	21.0%	40.3%
4-5	23	2	1	28.0%	4.8%	18.5%	37.4%
5-	20	7	13				

P2							
Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	64	24	5	61.0%	5.9%	49.4%	72.5%
1-2	35	12	0	40.1%	6.2%	27.8%	52.3%
2-3	23	9	2	23.7%	5.4%	13.1%	34.3%
3-4	12	5	0	13.8%	4.6%	4.8%	22.9%
4-5	7	0	2	13.8%	4.6%	4.8%	22.9%
5-	5	1	4				

P3							
Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	62	22	5	63.0%	5.9%	51.4%	74.7%
1-2	35	18	2	29.7%	5.9%	18.2%	41.2%
2-3	15	9	0	11.9%	4.4%	3.2%	20.5%
3-4	6	3	0	5.9%	3.3%	-0.5%	12.4%
4-5	3	3	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

Table 90-2
 Peritoneal metastasis (synchronous)
 Rectal cancer, surgical cases

P0

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	2,098	115	112	94.4%	0.5%	93.4%	95.3%
1-2	1,871	137	70	87.3%	0.7%	85.9%	88.8%
2-3	1,664	109	78	81.5%	0.9%	79.8%	83.2%
3-4	1,477	88	61	76.5%	1.0%	74.6%	78.4%
4-5	1,328	55	127	73.2%	1.0%	71.2%	75.1%
5-	1,146	67	1,079				

P1

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	34	8	2	75.8%	7.2%	61.6%	89.9%
1-2	24	8	2	49.4%	8.5%	32.7%	66.1%
2-3	14	6	0	28.2%	8.2%	12.2%	44.2%
3-4	8	4	0	14.1%	6.4%	1.5%	26.7%
4-5	4	4	0	0.0%			
5-	0	0	0				

P2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	11	4	0	63.6%	14.5%	35.2%	92.1%
1-2	7	4	1	24.5%	12.1%	0.9%	48.1%
2-3	2	2	0	0.0%			
3-4	0	0	0				
4-5	0	0	0				
5-	0	0	0				

P3

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	13	6	1	52.0%	13.4%	25.8%	78.2%
1-2	6	4	0	17.3%	11.0%	-4.1%	38.8%
2-3	2	1	0	8.7%	8.2%	-7.4%	24.8%
3-4	1	0	1	8.7%	8.2%	-7.4%	24.8%
4-5	0	0	0				
5-	0	0	0				

Table 91-1

Lung metastasis (synchronous)

Colon cancer, surgical cases

PM0

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	3,295	202	227	93.7%	0.4%	92.8%	94.5%
1-2	2,866	193	123	87.2%	0.6%	86.1%	88.4%
2-3	2,550	131	104	82.6%	0.7%	81.3%	84.0%
3-4	2,315	101	135	78.9%	0.7%	77.5%	80.4%
4-5	2,079	61	207	76.5%	0.8%	75.0%	78.0%
5-	1,811	107	1,704				

PM1

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	54	14	6	72.5%	5.8%	61.1%	84.0%
1-2	34	13	3	43.5%	6.8%	30.1%	56.9%
2-3	18	6	3	27.7%	6.3%	15.3%	40.1%
3-4	9	1	1	24.4%	6.3%	12.1%	36.8%
4-5	7	1	0	20.9%	6.3%	8.6%	33.3%
5-	6	2	4				

PM2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	15	2	2	85.7%	8.7%	68.7%	102.7%
1-2	11	3	2	60.0%	12.6%	35.2%	84.8%
2-3	6	1	0	50.0%	13.9%	22.7%	77.3%
3-4	5	1	0	40.0%	14.3%	12.0%	68.0%
4-5	4	0	1	40.0%	14.3%	12.0%	68.0%
5-	3	1	2				

PM3

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	37	14	2	61.1%	7.8%	45.7%	76.5%
1-2	21	9	3	32.9%	7.5%	18.2%	47.6%
2-3	9	4	0	18.3%	6.9%	4.8%	31.7%
3-4	5	1	0	14.6%	6.4%	2.1%	27.2%
4-5	4	0	1	14.6%	6.4%	2.1%	27.2%
5-	3	0	3				

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 91-2
Lung metastasis (synchronous)
Rectal cancer, surgical cases

PM0

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	1,974	107	100	94.4%	0.5%	93.4%	95.4%
1-2	1,767	124	64	87.7%	0.7%	86.2%	89.1%
2-3	1,579	102	73	81.9%	0.9%	80.2%	83.6%
3-4	1,404	83	59	76.9%	1.0%	75.0%	78.9%
4-5	1,262	52	122	73.6%	1.0%	71.6%	75.6%
5-	1,088	62	1,026				

PM1

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	42	8	3	80.2%	6.0%	68.5%	92.0%
1-2	31	14	1	43.4%	7.8%	28.2%	58.7%
2-3	16	6	1	26.6%	7.0%	12.8%	40.4%
3-4	9	1	2	23.3%	6.7%	10.1%	36.5%
4-5	6	0	6	23.3%	6.7%	10.1%	36.5%
5-	0	0	0				

PM2

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	16	5	0	68.8%	11.6%	46.0%	91.5%
1-2	11	0	1	68.8%	11.6%	46.0%	91.5%
2-3	10	3	2	45.8%	12.2%	21.9%	69.8%
3-4	5	3	0	18.3%	11.2%	-3.6%	40.2%
4-5	2	1	0	9.2%	8.6%	-7.6%	25.9%
5-	1	0	1				

PM3

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	33	4	5	86.9%	5.6%	75.9%	97.9%
1-2	24	10	0	50.7%	9.3%	32.4%	69.0%
2-3	14	4	1	35.7%	8.9%	18.2%	53.1%
3-4	9	2	0	27.7%	8.5%	11.0%	44.4%
4-5	7	4	0	11.9%	6.3%	-0.5%	24.3%
5-	3	1	2				

Table 92-1

Distant metastasis (synchronous)

Colon cancer, surgical cases

M(-)

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	3,374	199	251	93.9%	0.4%	93.1%	94.7%
1-2	2,924	200	136	87.3%	0.6%	86.2%	88.4%
2-3	2,588	133	113	82.7%	0.7%	81.4%	84.0%
3-4	2,342	103	142	79.0%	0.7%	77.5%	80.4%
4-5	2,097	60	201	76.6%	0.8%	75.1%	78.1%
5-	1,836	112	1,724				

M(+)

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	73	24	4	66.2%	5.4%	55.6%	76.8%
1-2	45	10	5	50.6%	5.8%	39.3%	62.0%
2-3	30	10	2	33.2%	5.7%	22.0%	44.4%
3-4	18	4	1	25.6%	5.5%	14.9%	36.3%
4-5	13	2	3	21.1%	5.2%	11.0%	31.2%
5-	8	3	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

Table 92-2
Distant metastasis (synchronous)
Rectal cancer, surgical cases

M(-)

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	2,051	117	106	94.1%	0.5%	93.1%	95.1%
1-2	1,828	135	72	87.1%	0.7%	85.6%	88.5%
2-3	1,621	108	75	81.1%	0.9%	79.4%	82.8%
3-4	1,438	91	61	75.9%	1.0%	74.0%	77.8%
4-5	1,286	58	123	72.3%	1.0%	70.3%	74.3%
5-	1,105	63	1,042				

M(+)

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	52	11	7	77.3%	5.6%	66.4%	88.2%
1-2	34	16	0	40.9%	7.2%	26.7%	55.1%
2-3	18	7	2	24.1%	6.2%	11.9%	36.3%
3-4	9	1	1	21.2%	6.0%	9.4%	33.1%
4-5	7	1	0	18.2%	5.9%	6.7%	29.7%
5-	6	1	5				

Table 93-1

Endoscopic resection

Colon cancer, treated by endoscopy alone

m

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	121	0	1	100.0%	0.0%	100.0%	100.0%
1-2	120	0	0	100.0%	0.0%	100.0%	100.0%
2-3	120	0	0	100.0%	0.0%	100.0%	100.0%
3-4	120	0	0	100.0%	0.0%	100.0%	100.0%
4-5	120	0	3	100.0%	0.0%	100.0%	100.0%
5-	117	5	112				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	80	0	1	100.0%	0.0%	100.0%	100.0%
1-2	79	0	0	100.0%	0.0%	100.0%	100.0%
2-3	79	0	0	100.0%	0.0%	100.0%	100.0%
3-4	79	0	0	100.0%	0.0%	100.0%	100.0%
4-5	79	0	2	100.0%	0.0%	100.0%	100.0%
5-	77	4	73				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	41	0	0	100.0%	0.0%	100.0%	100.0%
1-2	41	0	0	100.0%	0.0%	100.0%	100.0%
2-3	41	0	0	100.0%	0.0%	100.0%	100.0%
3-4	41	0	0	100.0%	0.0%	100.0%	100.0%
4-5	41	0	1	100.0%	0.0%	100.0%	100.0%
5-	40	1	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	122	0	12	100.0%	0.0%	100.0%	100.0%
1-2	110	1	3	99.1%	0.9%	97.3%	100.9%
2-3	106	1	6	98.1%	1.3%	95.6%	100.6%
3-4	99	0	4	98.1%	1.3%	95.6%	100.6%
4-5	95	2	5	96.0%	1.9%	92.2%	99.8%
5-	88	2	86				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	67	0	9	100.0%	0.0%	100.0%	100.0%
1-2	58	1	1	98.3%	1.7%	94.9%	101.6%
2-3	56	0	3	98.3%	1.7%	94.9%	101.6%
3-4	53	0	2	98.3%	1.7%	94.9%	101.6%
4-5	51	2	3	94.3%	3.1%	88.2%	100.4%
5-	46	2	44				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	55	0	3	100.0%	0.0%	100.0%	100.0%
1-2	52	0	2	100.0%	0.0%	100.0%	100.0%
2-3	50	1	3	97.9%	2.0%	94.1%	101.8%
3-4	46	0	2	97.9%	2.0%	94.1%	101.8%
4-5	44	0	2	97.9%	2.0%	94.1%	101.8%
5-	42	0	42				

Table 93-2

Endoscopic resection

Rectal cancer, treated by endoscopy alone

m

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	53	0	0	100.0%	0.0%	100.0%	100.0%
1-2	53	0	1	100.0%	0.0%	100.0%	100.0%
2-3	52	0	0	100.0%	0.0%	100.0%	100.0%
3-4	52	0	1	100.0%	0.0%	100.0%	100.0%
4-5	51	0	0	100.0%	0.0%	100.0%	100.0%
5-	51	0	51				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	26	0	0	100.0%	0.0%	100.0%	100.0%
1-2	26	0	0	100.0%	0.0%	100.0%	100.0%
2-3	26	0	0	100.0%	0.0%	100.0%	100.0%
3-4	26	0	0	100.0%	0.0%	100.0%	100.0%
4-5	26	0	0	100.0%	0.0%	100.0%	100.0%
5-	26	0	26				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	27	0	0	100.0%	0.0%	100.0%	100.0%
1-2	27	0	1	100.0%	0.0%	100.0%	100.0%
2-3	26	0	0	100.0%	0.0%	100.0%	100.0%
3-4	26	0	1	100.0%	0.0%	100.0%	100.0%
4-5	25	0	0	100.0%	0.0%	100.0%	100.0%
5-	25	0	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

sm

Males and females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	73	1	5	98.6%	1.4%	95.9%	101.2%
1-2	67	1	4	97.1%	2.0%	93.2%	100.9%
2-3	62	0	4	97.1%	2.0%	93.2%	100.9%
3-4	58	0	0	97.1%	2.0%	93.2%	100.9%
4-5	58	0	5	97.1%	2.0%	93.2%	100.9%
5-	53	1	52				

Males

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	46	1	3	97.8%	2.1%	93.5%	102.0%
1-2	42	1	2	95.4%	3.1%	89.3%	101.5%
2-3	39	0	4	95.4%	3.1%	89.3%	101.5%
3-4	35	0	0	95.4%	3.1%	89.3%	101.5%
4-5	35	0	2	95.4%	3.1%	89.3%	101.5%
5-	33	1	32				

Females

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	27	0	2	100.0%	0.0%	100.0%	100.0%
1-2	25	0	2	100.0%	0.0%	100.0%	100.0%
2-3	23	0	0	100.0%	0.0%	100.0%	100.0%
3-4	23	0	0	100.0%	0.0%	100.0%	100.0%
4-5	23	0	3	100.0%	0.0%	100.0%	100.0%
5-	20	0	20				

Table 94(a)

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

Colon cancer

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	3,087	218	217	92.7%	0.5%	91.8%	93.6%
1-2	2,652	200	99	85.6%	0.6%	84.3%	86.8%
2-3	2,353	138	89	80.4%	0.7%	79.0%	81.9%
3-4	2,126	90	116	76.9%	0.8%	75.4%	78.5%
4-5	1,920	56	188	74.6%	0.8%	73.0%	76.2%
5-	1,676	104	1,572				

Rectal cancer

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	1,828	114	105	93.6%	0.6%	92.5%	94.7%
1-2	1,609	129	47	86.0%	0.8%	84.4%	87.6%
2-3	1,433	104	47	79.6%	1.0%	77.7%	81.5%
3-4	1,282	79	47	74.6%	1.0%	72.6%	76.7%
4-5	1,156	44	102	71.7%	1.1%	69.5%	73.8%
5-	1,010	62	948				

※一般解析に採用されたレコードの90%以上が生存分析に用いられた施設に限定

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 94(b)

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

Colon cancer

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	669	55	7	91.7%	1.1%	89.7%	93.8%
1-2	607	68	3	81.4%	1.5%	78.5%	84.4%
2-3	536	39	3	75.5%	1.7%	72.2%	78.8%
3-4	494	25	4	71.7%	1.7%	68.2%	75.1%
4-5	465	21	9	68.4%	1.8%	64.8%	71.9%
5-	435	30	405				

Rectal cancer

Year	Alive	Died	Lost	SR	SE	95%CI	
0-1	385	33	3	91.4%	1.4%	88.6%	94.2%
1-2	349	32	2	83.0%	1.9%	79.2%	86.7%
2-3	315	27	1	75.9%	2.2%	71.6%	80.2%
3-4	287	21	2	70.3%	2.3%	65.7%	74.9%
4-5	264	10	7	67.6%	2.4%	62.9%	72.3%
5-	247	13	234				

※生存分析に採用されたレコードの90%以上で5年以上フォローアップされていた施設に限定

Participating institutes

相澤病院

岡山済生会総合病院

岡山大学 呼吸器乳腺内分泌外科

岡山大学 消化器外科学

大阪府立急性期・総合医療センター

大阪府立成人病センター 消化器外科

大阪労災病院 外科

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*印は取扱い規約第7版用ソフトに入力されたデータであるために集計に利用できなかった施設

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