

**Multi-Institutional Registry of Large Bowel Cancer
in Japan**

Vol. 17

**Cases treated in 1995
(Prospective Registry Data)**

Japanese Society for Cancer of the Colon and Rectum

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This report was prepared by
Kenjiro Kotake
and
Yasuo Koyama
Department of Surgery,
Tochigi Cancer Center
4-9-13 Yohnan, Utsunomiya 320-0834, Japan

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PREFACE

This, the seventeenth report of the 'Multi-institutional Registry of Large Bowel Cancer in Japan,' is composed of clinical and pathological information of the patients treated in the year 1995.

Some of the items analyzed in this issue were changed, reflecting the changes in the fifth edition of the general rules on colorectal cancer (1, 2). Considering the increased tendency over time of the patients with early cancer who underwent endoscopic excision, they were analyzed independently. New surgical technology of laparoscopic surgery was added to the items analyzed for the first time. Tables on patients with malignancies other than adenocarcinoma were fairly increased. However, most of the contents were comparable to those of the previously published reports (Vol.10 and Vol.12). Follow up information will be investigated and published before long.

It is our hope that this report will be use extensively in daily clinical activities and studies on colorectal cancer. Our committee welcomes comments from readers.

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Yasuo Koyama, M.D.
Chairman of the Registry Committee
Japanese Society for Cancer of the Colon and Rectum

- 1) Japanese Research Society for Cancer of the Colon and Rectum: General Rules for Clinical and Pathological Studies on Cancer of the Colon, Rectum and Anus. 5th ed., Kanehara & Co., Ltd., Tokyo, 1994
- 2) Japanese Society for Cancer of the Colon and Rectum: Japanese Classification of Colorectal Carcinoma. 1st English ed., Yasutomi, M. (Editor), Kanehara & Co., Ltd., Tokyo, 1997

DEFINITIONS OF ABBREVIATIONS AND SYMBOLS

Surg	surgery
GI	gastrointestinal
GE	gastroenterology or gastroenterological
IM	internal medicine
Gen	general
CRC	colorectal cancer
X	not recorded or uncertain findings
NOS	not otherwise specified
OTH	others
DI	depth of invasion
mm	millimeter
<	less than
>	greater than
<=	less than or equal to
>=	greater than or equal to

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.

I	ileum	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	E	external skin

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

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

Table 1-1
Patients registered
Number of registered patients, by institute

Institute	Department	Males	Females	Total
Aichi Cancer Center	GI Surg	88	59	147
Aichi Prefectural Hospital	Surg	51	28	79
Aomori City Hospital	Surg	62	46	108
Asahikawa Kosei Hospital	Surg	25	17	42
Asahikawa Kosei Hospital	GI	24	8	32
Chiba Cancer Center	GI Surg	57	24	81
Coloproctology Center, Hidaka Hospital		55	38	93
Coloproctology Center, Social Insurance Central Hospital	Surg	105	70	175
Coloproctology Center, Takano Hospital		130	68	198
Dokkyo University School of Medicine	Surg I	29	16	45
Dokkyo University School of Medicine	Surg II	13	10	23
Faculty of Medicine, Kyushu University	Surg II	24	15	39
Faculty of Medicine, Mie University	Surg I	9	3	12
Faculty of Medicine, Mie University	Surg II	24	15	39
Faculty of Medicine, University of Tokyo	Surg I	65	21	86
Fujita Health University School of Medicine	Surg II	25	23	48
Fukui Medical School	Surg I	20	8	28
Fukui Prefectural Hospital	Surg	69	52	121
Fukuoka University, Chikushi Hospital	Surg	56	37	93
Fukuoka University, Chikushi Hospital	GI	13	6	19
Fukushima Medical University	Surg I	19	10	29
Fukushima Medical University	Surg II	15	3	18
Gifu University School of Medicine	Surg I	7	11	18
Gifu University School of Medicine	Surg II	17	17	34
Gunma Cancer Center	Surg	40	32	72
Gunma University School of Medicine	Surg I	63	29	92
Hamamatsu Medical Center	Surg	43	15	58
Hamamatsu University School of Medicine	Surg II	23	14	37
Hirosaki University, School of Medicine	Surg II	33	35	68
Hiroshima University School of Medicine	Surg II	34	12	46
Hyogo Medical Center for Adults	GI	8	7	15
Ibaraki Prefectural Central Hospital	Surg	37	20	57
Inoue Hospital	Surg	48	24	72

Table 1-2
Number of registered patients, by institute

Institute	Department	Males	Females	Total
Iwakuni National Hospital	Surg	20	7	27
Iwate Medical University, School of Medicine	Surg I	38	28	66
Iwate Medical University, School of Medicine	IM	2	2	4
Izushi Municipal Hospital	Surg	3	5	8
Kagawa Medical University	Surg I	12	12	24
Kanagawa Cancer Center	Surg IV	59	44	103
Kanazawa Medical University	Surg	38	29	67
Kanto Rosai Hospital	Surg	23	23	46
Kariya General Hospital	Surg	30	20	50
Kasukabe City Hospital	Surg	26	16	42
Kawasaki City Ida Hospital	Surg	34	28	62
Kawasaki Medical School	GE Surg	41	24	65
Kinki University School of Medicine	Surg I	46	28	74
Kobe National Hospital	Surg	21	15	36
Kokura Memorial Hospital	Surg	38	34	72
Kumamoto Municipal Hospital	Surg	47	33	80
Kumamoto University School of Medicine	Surg II	20	5	25
Kurume University, School of Medicine	Surg	34	24	58
Kyoto 2nd Red Cross Hospital	Surg	25	23	48
Kyoto Prefectural University of Medicine	Surg II	16	12	28
Kyoto University, Graduate School of Medicine, Faculty of Medicine	Surg I	43	29	72
Kyoto University, Graduate School of Medicine, Faculty of Medicine	Surg II	8	4	12
Matsuda Hospital		65	41	106
Medical School, Nagoya City University	Surg I	40	29	69
Mito Kyodo General Hospital	Surg	26	26	52
Nagasaki University, School of Medicine	Surg II	40	29	69
Nagoya University, School of Medicine	Surg II	25	24	49
National Cancer Center Hospital	Surg	100	68	168
National Cancer Center Hospital East	Surg	14	15	29
National Defense Medical College	Surg I	104	69	173
National Kyushu Cancer Center	GE Surg	30	28	58

Table 1-3
Number of registered patients, by institute

Institute	Department	Males	Females	Total
National Kyushu Medical Center Hospital	Surg	73	45	118
National Sapporo Hospital Hokkaido Cancer Center	Surg	25	23	48
National Tochigi Hospital	Surg	11	6	17
National Tokyo Medical Center Hospital	Surg	42	25	67
Nihon University, School of Medicine	Surg III	69	44	113
Niigata University, School of Medicine	Surg I	27	23	50
Nippon Medical School	Surg I	70	39	109
Nippon Medical School	Surg II	34	18	52
Nogaki Hospital	Surg	14	10	24
Oita Medical University	Surg I	18	13	31
Okayama 1st Red Cross Hospital	Surg	23	22	45
Okayama University, Medical School	Surg I	13	5	18
Okayama University, Medical School	Surg II	7	4	11
Oomoto Hospital	Surg	29	26	55
Osaka City University Medical School	Surg I	44	31	75
Osaka City University Medical School	Surg II	12	10	22
Osaka Medical College	Surg	39	40	79
Osaka Prefectural Hospital	Surg	59	48	107
Osaka Teishin Hospital	Surg	34	26	60
Osaka University Faculty of Medicine	Surg II	28	14	42
Red Cross Ashikaga Hospital	Surg	20	18	38
Red Cross Oomiya Hospital	Surg	43	34	77
Red Cross Sendai Hospital	Surg	64	41	105
Research Institute for Radiation Biology and Medicine, Hiroshima University	Surg	18	7	25
Saga Prefectural Hospital, Koseikan	Surg	63	36	99
Saitama Medical Center	Surg	15	8	23
Saitama Medical School	Surg I	38	16	54
Saitama Medical School	Surg II	26	7	33
Sapporo Social Insurance General Hospital	Surg	17	10	27
Sapporo-Kosei General Hospital	Surg	81	48	129
Sasebo Municipal General Hospital	Surg	52	37	89
School of Medicine, Chiba University	Surg I	26	27	53

Table 1-4
Number of registered patients, by institute

Institute	Department	Males	Females	Total
School of Medicine, Keio University, Ise Keio Hospital	Surg	7	6	13
School of Medicine, Kitasato University	Surg	18	13	31
School of Medicine, Kitasato University, East Hospital	Surg	53	24	77
School of Medicine, Tokai University	Surg II	37	15	52
Sendai National Hospital	Surg	34	21	55
Shiga University of Medical Science	Surg I	10	10	20
Shikoku Cancer Center Hospital	Surg	18	26	44
Shimada Municipal Hospital	Surg	26	15	41
Shimane Medical University	Surg II	7	13	20
Showa University School of Medicine	Surg II	30	34	64
Social Insurance Ritsurin Hospital	Surg	14	7	21
Tachikawa Hospital	Surg	25	21	46
Teikyo University Hospital at Mizonokuchi	Surg	23	22	45
Teikyo University School of Medicine	Surg I	30	13	43
Teikyo University School of Medicine	Surg II	25	19	44
Terada Hospital	Surg	15	10	25
The Jikei University School of Medicine, Third Hospital	Surg	32	18	50
Tochigi Cancer Center		53	37	90
Toho University School of Medicine	IM III	7	3	10
Tokyo Kyosai Hospital		144	70	214
Tokyo Medical and Dental University, School of Medicine	Surg I	15	14	29
Tokyo Medical and Dental University, School of Medicine	Surg II	31	6	37
Tokyo Medical University		23	15	38
Tokyo Metropolitan Cancer Detection Center		3	0	3
Tokyo Metropolitan Komagome Hospital	Surg	74	63	137
Tokyo Women's Medical University, School of Medicine	Surg II	70	45	115
Tokyo Women's Medical University, School of Medicine, Institute of GE	Surg	103	45	148
Tokyo Women's Medical University, School of Medicine, Second Hospital	Surg	38	38	76

Table 1-5

Number of registered patients, by institute

Institute	Department	Males	Females	Total
Toranomon Hospital	GI Surg	123	60	183
Tottori Prefectural Central Hospital	Surg	33	20	53
Tottori University, Faculty of Medicine	Surg I	39	15	54
Toyama Medical and Pharmaceutical University, Faculty of Medicine	Surg I	11	17	28
Uwajima City Hospital	Surg	25	24	49
Yaizu Municipal General Hospital	Surg	28	12	40
Yamagata Prefectural Central Hospital	Surg	90	48	138
Yamagata University, School of Medicine	Surg I	20	16	36
Yokohama City University, School of Medicine	Surg II	37	17	54
Yokohama Hospital, GI Center		16	8	24
Total		4,920	3,188	8,108

Handwritten notes and calculations:

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Table 2-1

Histological type, site and sex

Hisotology	Site	Males	Females	Total
Adenocarcinoma	Colon	2,754	1,969	4,723
	Rectum	2,019	1,114	3,133
	Total	4,773	3,083	7,856
Other malignancies	Colon	36	24	60
	Rectum	63	50	113
	Total	99	74	173
Unknown	Colon	26	19	45
	Rectum	22	8	30
	Unknown	0	4	4
	Total	48	31	79
Grand total		4,920	3,188	8,108

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

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

Table 2-2

Number of patients treated by surgery

Histology and site of the tumor

Histology	Site	Surgery		Total
		Yes	No	
Adenocarcinoma	Colon	4,718 (524)	5	4,723
	Rectum	3,119 (230)	14	3,133
	Total	7,837 (754)	19	7,856
Other malignancies	Colon	60 (6)	0	60
	Rectum	111 (21)	2	113
	Total	171 (27)	2	173
Unknown	Colon	43 (0)	2	45
	Rectum	29 (0)	1	30
	Unknown	1 (0)	3	4
	Total	73 (0)	6	79
Grand total		8,081 (781)	27	8,108

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

Seventy nine patients with a malignancy of unknown histology were excuded from subsequent analysis.

Table 3
Modality of principal treatment*
by histology and site

Modality	Adenocarcinoma			Other malignancies		
	Colon	Rectum	Total	Colon	Rectum	Total
Surgery	4,194	2,889	7,083	54	90	144
Endoscopic excision	524	230	754	6	21	27
Radiation (RT)	0	1	1	0	0	0
Chemotherapy (CT)	4	7	11	0	1	1
RT and CT	0	4	4	0	1	1
No treatment	1	2	3	0	0	0
Total	4,723	3,133	7,856	60	113	173

* Modalities regarded as the most effective and beneficial treatment for cancer. A total of 162 patients who had surgery after endoscopic treatment were classified in the "Endoscopic excision" group in this report.

Adenocarcinoma

A total of 7,856 patients with adenocarcinoma was classified into five groups.

I)	All-----	7,856 cases
II)	Surgery-----	7,083 cases
III)	Surgical resection-----	7,023 cases
IV)	Endoscopic excision-----	754 cases
V)	Surgery after endoscopic excision-----	162 cases

A total of 162 patients who had surgery after endoscopic treatment were classified into "Endoscopic excision group" in this report, although they should be classified into "Surgery" group(1). Their information about surgery was described independently in detail (pp.77-83).

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

Table 4-1
Age incidence, males

Site	Age									Total
	<20	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	
I	0	0	0	0	0	1	1	0	0	2
V	0	0	1	2	2	2	1	0	0	8
C	0	3	4	23	65	78	59	22	1	255
A	0	0	4	35	97	191	135	44	5	511
T	0	2	8	22	71	140	100	37	1	381
D	0	0	5	13	46	103	61	13	0	241
S	0	3	17	89	297	528	326	92	4	1,356
Rs	0	1	3	53	149	219	127	34	1	587
Ra	0	2	4	44	182	230	127	42	3	634
Rb	0	3	14	88	191	276	139	42	1	754
P	0	0	0	2	12	16	9	4	0	43
E	0	0	0	0	0	1	0	0	0	1
Colon	0	8	39	184	578	1,043	683	208	11	2,754
Rectum	0	6	21	187	534	742	402	122	5	2,019
Total	0	14	60	371	1,112	1,785	1,085	330	16	4,773

Table 4-2
Age incidence, females

Site	Age									Total
	<20	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	
I	0	0	0	0	0	0	0	0	0	0
V	0	0	0	1	3	2	4	1	0	11
C	0	2	1	15	34	84	105	29	0	270
A	0	1	3	31	93	129	134	51	4	446
T	3	4	3	20	57	79	92	36	0	294
D	0	1	3	8	27	28	29	10	1	107
S	0	2	13	104	200	274	189	56	3	841
Rs	0	1	6	40	89	86	66	24	3	315
Ra	0	1	8	32	81	108	74	25	0	329
Rb	0	3	12	49	111	154	83	32	1	445
P	0	0	0	2	4	6	7	5	0	24
E	0	0	0	0	0	1	0	0	0	1
Colon	3	10	23	179	414	596	553	183	8	1,969
Rectum	0	5	26	123	285	355	230	86	4	1,114
Total	3	15	49	302	699	951	783	269	12	3,083

Table 5-1
Family history of CRC, by site

Site	Family history of CRC			Total
	No	Yes	X	
I	1	1	0	2
V	17	0	2	19
C	435	38	52	525
A	798	65	94	957
T	554	55	66	675
D	283	30	35	348
S	1,796	179	222	2,197
Rs	739	75	88	902
Ra	800	77	86	963
Rb	1,006	95	98	1,199
P	58	2	7	67
E	2	0	0	2
Colon	3,884	368	471	4,723
Rectum	2,605	249	279	3,133
Total	6,489	617	750	7,856

Table 5-2
Family history of CRC, by age

Age	Family history of CRC			Total
	No	Yes	X	
<20	3	0	0	3
20-29	21	5	3	29
30-39	92	11	6	109
40-49	566	64	43	673
50-59	1,512	156	143	1,811
60-69	2,269	216	251	2,736
70-79	1,514	139	215	1,868
80-89	486	26	87	599
90-99	26	0	2	28
Total	6,489	617	750	7,856

Table 5-3

Family history of CRC, by number of family members with CRC

Site	Number of family members with CRC					Total
	1	2	3	>=4	X	
I	1	0	0	0	0	1
V	0	0	0	0	0	0
C	30	6	1	0	1	38
A	56	5	1	0	3	65
T	45	6	1	0	3	55
D	29	0	1	0	0	30
S	155	16	2	0	6	179
Rs	61	5	2	3	4	75
Ra	63	8	2	0	4	77
Rb	77	12	2	0	4	95
P	1	0	0	0	1	2
E	0	0	0	0	0	0
Colon	316	33	6	0	13	368
Rectum	202	25	6	3	13	249
Total	518	58	12	3	26	617

Table 5-4
Family history of CRC, by family member with CRC

Site	Family member with CRC															Total
	F	M	S	C	G	UA	F/M	F/S	F/G	F/UA	M/S	M/G	M/UA	S/C	S/UA	
I	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C	14	3	16	1	0	1	0	1	0	0	0	1	0	1	0	38
A	18	12	28	1	0	2	0	1	0	0	2	1	0	0	0	65
T	10	16	24	1	2	0	0	2	0	0	0	0	0	0	0	55
D	9	4	15	1	0	0	0	1	0	0	0	0	0	0	0	30
S	35	45	71	8	3	7	0	3	1	0	3	0	0	2	1	179
Rs	18	18	30	2	1	2	1	1	0	0	0	2	0	0	0	75
Ra	17	16	31	2	1	3	2	1	0	2	2	0	0	0	0	77
Rb	25	14	42	1	5	3	0	2	0	0	2	0	1	0	0	95
P	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colon	86	81	154	12	5	10	0	8	1	0	5	2	0	3	1	368
Rectum	60	48	104	6	7	8	3	4	0	2	4	2	1	0	0	249
Total	146	129	258	18	12	18	3	12	1	2	9	4	1	3	1	617

F father
M mother
S sibling
C child
G grandparent
UA uncle and/or aunt

Table 6-1Family history of cancers other than CRC, by site

Site	Family history of other cancers			Total
	No	Yes	X	
I	2	0	0	2
V	8	8	3	19
C	323	145	57	525
A	585	261	111	957
T	433	168	74	675
D	222	89	37	348
S	1,372	575	250	2,197
Rs	573	234	95	902
Ra	579	282	102	963
Rb	773	302	124	1,199
P	46	13	8	67
E	2	0	0	2
Colon	2,945	1,246	532	4,723
Rectum	1,973	831	329	3,133
Total	4,918	2,077	861	7,856

Table 6-2Family history of cancers other than CRC, by age

Age	Family member with other cancers			Total
	No	Yes	X	
<20	2	1	0	3
20-29	19	6	4	29
30-39	85	19	5	109
40-49	445	178	50	673
50-59	1,138	498	175	1,811
60-69	1,676	756	304	2,736
70-79	1,173	466	229	1,868
80-89	361	147	91	599
90-99	19	6	3	28
Total	4,918	2,077	861	7,856

Table 6-3

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

Site	Number of family members with other cancers					Total
	1	2	3	>=4	X	
I	0	0	0	0	0	0
V	4	3	0	1	0	8
C	91	36	6	1	11	145
A	183	54	12	3	9	261
T	116	35	9	3	5	168
D	77	9	2	0	1	89
S	428	94	17	4	32	575
Rs	168	48	7	1	10	234
Ra	199	53	14	5	11	282
Rb	215	63	9	3	12	302
P	10	3	0	0	0	13
E	0	0	0	0	0	0
Colon	899	231	46	12	58	1,246
Rectum	592	167	30	9	33	831
Total	1,491	398	76	21	91	2,077

Table 6-4

Family history of cancers other than CRC, by family member with cancers

Family member with other cancers

Site	F	M	S	C	G	UA	F/M	F- /S	F- /C	F- /G	F/- UA	M/S	M/C	M/G	M/- UA	S- /C	S- /G	S/- UA	G/- UA	Total
I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
V	1	1	0	0	1	1	3	0	0	0	0	0	0	0	1	0	0	0	0	8
C	35	24	42	4	2	6	11	9	1	0	0	8	1	0	0	1	0	1	0	145
A	78	47	75	7	3	4	12	12	3	4	0	11	0	0	1	2	1	1	0	261
T	44	33	45	2	5	6	9	8	0	0	0	9	1	1	1	1	1	2	0	168
D	26	18	31	2	2	1	3	1	0	0	0	4	0	1	0	0	0	0	0	89
S	148	120	188	14	7	10	27	15	3	2	2	25	2	1	4	4	0	2	1	575
Rs	71	39	70	5	5	7	10	13	0	3	2	8	0	0	0	1	0	0	0	234
Ra	84	55	77	8	8	5	11	17	1	1	0	11	0	0	0	1	1	1	1	282
Rb	81	51	89	4	6	13	19	21	1	1	0	14	0	1	1	0	0	0	0	302
P	5	1	4	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	13
E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Colon	332	243	381	29	20	28	65	45	7	6	2	57	4	3	7	8	2	6	1	1,246
Rectum	241	146	240	18	19	25	41	51	2	5	2	34	0	1	1	2	1	1	1	831
Total	573	389	621	47	39	53	106	96	9	11	4	91	4	4	8	10	3	7	2	2,077

F father

M mother

S sibling

C child

G grandparent

UA uncle and/or aunt

Table 7-1

Past history of colorectal disease, by site

Past history	Site												Total
	I	V	C	A	T	D	S	Rs	Ra	Rb	P	E	
None	2	15	401	766	547	277	1,805	741	788	976	47	2	6,367
1)Adenoma	0	0	21	44	31	21	80	26	21	34	2	0	280
2)Adenomatosis	0	0	4	3	2	2	3	5	2	8	0	0	29
3)Ulcertive colitis	0	0	1	1	2	0	2	3	4	5	0	0	18
4)Radiation colitis	0	0	0	1	0	0	0	0	0	1	0	0	2
5)Anal fistula	0	0	5	7	6	5	24	9	15	25	5	0	101
6)Others	0	2	66	101	64	33	212	90	100	108	8	0	784
1)+5)	0	0	0	0	0	0	1	0	0	0	0	0	1
1)+6)	0	0	2	1	1	0	3	1	0	1	1	0	10
3)+5)	0	0	1	0	0	0	0	1	0	0	0	0	2
3)+6)	0	0	0	0	0	0	0	1	0	0	0	0	1
5)+6)	0	0	0	2	1	0	4	4	3	2	2	0	18
X	0	2	24	31	21	10	63	21	30	39	2	0	243
Total	2	19	525	957	675	348	2,197	902	963	1,199	67	2	7,856

Table 7-2

Past history of colorectal disease, by age

Past history	Age									Total
	<20	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	
None	3	23	92	558	1,464	2,185	1,518	497	27	6,367
1)Adenoma		1	1	14	63	118	68	15		280
2)Adenomatosis		3	5	5	5	3	8			29
3)Ulcertive colitis		1	1	4	2	6	3	1		18
4)Radiation colitis						1	1			2
5)Anal fistula			2	3	24	47	18	7		101
6)Others			7	64	197	282	179	54	1	784
1)+5)							1			1
1)+6)				1	1	2	5	1		10
3)+5)				1			1			2
3)+6)						1				1
5)+6)				1	10	3	4			18
X	0	1	1	22	45	88	62	24	0	243
Total	3	29	109	673	1,811	2,736	1,868	599	28	7,856

Table 8-1Measurement of serum carcinoembryonic antigen (CEA), preoperative

Site	Serum CEA			Total
	Examined	Not examined	X	
I	2	0	0	2
V	12	6	1	19
C	447	59	19	525
A	854	83	20	957
T	592	66	17	675
D	292	43	13	348
S	1,865	282	50	2,197
Rs	791	97	14	902
Ra	849	91	23	963
Rb	1,074	93	32	1,199
P	59	4	4	67
E	2	0	0	2
Colon	4,064	539	120	4,723
Rectum	2,775	285	73	3,133
Total	6,839	824	193	7,856

Table 8-2Serum CEA value, preoperative

Site	Serum CEA value					Total
	Normal	<2	<4	<8	>=8	
I	2	0	0	0	0	2
V	6	0	4	1	1	12
C	284	67	25	25	46	447
A	512	136	75	52	79	854
T	366	95	57	25	49	592
D	182	47	23	11	29	292
S	1,163	293	153	96	160	1,865
Rs	472	121	86	43	69	791
Ra	515	144	74	39	77	849
Rb	675	183	89	51	76	1,074
P	36	10	3	4	6	59
E	2	0	0	0	0	2
Colon	2,515	638	337	210	364	4,064
Rectum	1,700	458	252	137	228	2,775
Total	4,215	1,096	589	347	592	6,839

Table 9-1Multiple primary cancers, by sex

Multiple primary cancers	Males	Females	Total
No	4,195	2,750	6,945
Synchronous	193	76	269
Metachronous	229	156	385
X	156	101	257
Total	4,773	3,083	7,856

Table 9-2
Synchronous multiple primary cancers

Organ	Synchronous cancer		Total
	Males	Females	
Esophagus	8	1	9
Stomach	111	25	136
Small intestine	1	0	1
Colon	1	0	1
Rectum	1	0	1
Liver	23	11	34
Biliary tree	2	3	5
Pancreas	1	1	2
Lung	8	1	9
Breast	1	9	10
Uterus NOS	0	5	5
Ovary	0	5	5
Kidney	8	1	9
Bladder	6	2	8
Prostate	11	0	11
Hematopoietic system	1	4	5
Bone & soft tissue	0	1	1
Thyroid	1	3	4
Oral cavity	0	1	1
Pharynx and larynx	5	0	5
Skin	0	1	1
X	4	2	6
Total	193	76	269

Table 9-3

Metachronous multiple primary cancers

Organ	Metachronous cancer		Total
	Males	Females	
Esophagus	11	3	14
Stomach	114	38	152
Small intestine	2	0	2
Colon	3	1	4
Rectum	0	1	1
Large intestine NOS	1	0	1
Liver	7	0	7
Biliary tree	5	1	6
Pancreas	1	0	1
Lung	16	6	22
Breast	0	41	41
Uterine cervix	0	5	5
Uterine corpus	0	3	3
Uterus NOS	0	29	29
Ovary	0	8	8
Kidney	11	1	12
Bladder	12	4	16
Prostate	9	0	9
Hematopoietic system	3	0	3
Bone & soft tissue	1	0	1
Thyroid	1	8	9
Oral cavity	8	5	13
Pharynx and larynx	12	2	14
Skin	1	0	1
Others	7	0	7
X	4	0	4
Total	229	156	385

Table 10-1Metachronous multiple CRC, by sex

Sex	Metachronous CRC				Total
	No	Early cancer	Advanced cancer	X	
Males	4,588	33	76	76	4,773
Females	2,999	9	35	42	3,085
Total	7,587	42	111	118	7,858

Table 10-2Metachronous multiple CRC, by age

Age	Metachronous CRC		Total
	Early cancer	Advanced cancer	
40-49	2	4	6
50-59	12	16	28
60-69	17	43	60
70-79	10	34	44
80-89	1	14	15
Total	42	111	153

Table 10-3Metachronous multiple CRC, by site

Site	Metachronous CRC		Total
	Early cancer	Advanced cancer	
C	6	16	22
A	10	22	32
T	2	22	24
D	0	7	7
S	7	14	21
Rs	8	12	20
Ra	3	6	9
Rb	6	11	17
P	0	1	1
E	0	0	0
Colon	25	81	106
Rectum	17	30	47
Total	42	111	153

Table 10-4Metachronous multiple CRC, by number of cancers

Number of cancers	Metachronous CRC		Total
	Early cancer	Advanced cancer	
1	36	102	138
2	4	7	11
3	0	2	2
4	2	0	2
Total	42	111	153

Table 10-5Metachronous multiple CRC, by site of metachronous cancer

Site	Metachronous CRC		Total
	Early cancer	Advanced cancer	
Colon	29	63	92
Rectum	9	43	52
X	4	5	9
Total	42	111	153

Table 11-1Number of synchronous multiple CRC, by site

Site	Number of cancers								Total
	1	2	3	4	5	6	7	>=8	
I	1	0	1	0	0	0	0	0	2
V	19	0	0	0	0	0	0	0	19
C	457	27	5	1	0	0	1	1	492
A	832	51	7	3	0	2	0	0	895
T	579	36	1	1	2	1	0	1	621
D	273	23	7	1	0	0	0	0	304
S	1,729	112	12	5	2	0	1	0	1,861
Rs	762	38	4	2	1	0	0	1	808
Ra	826	45	7	3	0	0	0	0	881
Rb	1,074	45	9	1	0	0	0	2	1,131
P	62	4	1	0	0	0	0	0	67
E	2	0	0	0	0	0	0	0	2
Colon	3,890	249	33	11	4	3	2	2	4,194
Rectum	2,726	132	21	6	1	0	0	3	2,889
Total	6,616	381	54	17	5	3	2	5	7,083

Table 11-2Number of synchronous multiple CRC, by age

Age	Number of cancers								Total
	1	2	3	4	5	6	7	>=8	
<20	3	0	0	0	0	0	0	0	3
20-29	26	1	0	0	0	0	0	2	29
30-39	90	4	4	0	0	0	0	0	98
40-49	564	23	6	2	0	0	1	0	596
50-59	1,539	64	12	3	0	0	0	1	1,619
60-69	2,271	142	17	5	1	2	0	1	2,439
70-79	1,573	112	12	6	3	0	1	1	1,708
80-89	525	34	3	1	1	0	0	0	564
90-99	25	1	0	0	0	1	0	0	27
Total	6,616	381	54	17	5	3	2	5	7,083

Table 11-3Number of synchronous multiple CRC, males, by age

Age	Number of cancers								Total
	1	2	3	4	5	6	7	>=8	
<20	0	0	0	0	0	0	0	0	0
20-29	13	0	0	0	0	0	0	1	14
30-39	48	2	3	0	0	0	0	0	53
40-49	308	10	4	1	0	0	0	0	323
50-59	902	47	7	2	0	0	0	1	959
60-69	1,439	107	12	5	1	1	0	1	1,566
70-79	893	74	7	4	2	0	1	1	982
80-89	283	23	1	1	0	0	0	0	308
90-99	14	1	0	0	0	1	0	0	16
Total	3,900	264	34	13	3	2	1	4	4,221

Table 11-4Number of synchronous multiple CRC, females, by age

Age	Number of cancers								Total
	1	2	3	4	5	6	7	>=8	
<20	3	0	0	0	0	0	0	0	3
20-29	13	1	0	0	0	0	0	1	15
30-39	42	2	1	0	0	0	0	0	45
40-49	256	13	2	1	0	0	1	0	273
50-59	637	17	5	1	0	0	0	0	660
60-69	832	35	5	0	0	1	0	0	873
70-79	680	38	5	2	1	0	0	0	726
80-89	242	11	2	0	1	0	0	0	256
90-99	11	0	0	0	0	0	0	0	11
Total	2,716	117	20	4	2	1	1	1	2,862

Table 12-1
Macroscopic type of tumor, by site

Site	Macroscopic type							Total
	Type 0	Type 1	Type 2	Type 3	Type 4	Type 5	X	
I	1	0	1	0	0	0	0	2
V	2	1	3	2	2	5	4	19
C	78	74	245	70	2	13	10	492
A	126	91	567	87	3	12	9	895
T	99	43	373	79	6	11	10	621
D	49	26	173	37	2	7	10	304
S	294	187	1,130	182	10	24	34	1,861
Rs	75	89	549	69	5	9	12	808
Ra	124	71	567	93	7	7	12	881
Rb	188	98	693	104	9	17	22	1,131
P	9	4	33	10	1	6	4	67
E	0	1	0	0	0	0	1	2
Colon	649	422	2,492	457	25	72	77	4,194
Rectum	396	263	1,842	276	22	39	51	2,889
Total	1,045	685	4,334	733	47	111	128	7,083

- 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 12-2

Macroscopic type of Type 0 cancer

Site	Macroscopic type									Total
	Ip	Isp	Is	IIa	IIa+IIc	IIb	IIc	IIc+IIa	OTH	
I	0	1	0	0	0	0	0	0	0	1
V	1	1	0	0	0	0	0	0	0	2
C	5	11	16	22	8	0	2	1	12	77
A	15	16	27	43	14	0	2	1	7	125
T	8	9	17	33	16	0	6	4	4	97
D	10	7	8	14	6	0	2	0	2	49
S	67	51	72	44	34	2	6	4	13	293
Rs	11	21	18	12	7	0	0	1	5	75
Ra	13	22	38	23	12	0	1	1	12	122
Rb	15	36	60	40	17	1	2	0	17	188
P	1	0	4	2	1	0	1	0	0	9
E	0	0	0	0	0	0	0	0	0	0
Colon	106	96	140	156	78	2	18	10	38	644
Rectum	40	79	120	77	37	1	4	2	34	394
Total	146	175	260	233	115	3	22	12	72	1,038

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

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

Table 13Tumor location, by circumferential division of the bowel wall

Site	Circumferential division of the bowel wall						X	Total
	Dorsal or post.	Ventral or ant.	Medial or right	Lateral or left	Circular			
I	1	0	0	0	0		1	2
V	3	2	0	0	9		5	19
C	98	109	21	27	181		56	492
A	211	189	45	38	302		110	895
T	105	115	31	24	262		84	621
D	67	41	11	10	132		43	304
S	396	356	103	76	624		306	1,861
Rs	143	183	39	47	280		116	808
Ra	168	229	48	81	235		120	881
Rb	284	249	117	139	210		132	1,131
P	17	12	8	12	11		7	67
E	1	0	0	0	1		0	2
Colon	881	812	211	175	1,510		605	4,194
Rectum	613	673	212	279	737		375	2,889
Total	1,494	1,485	423	454	2,247		980	7,083

Dorsal mesenteric side
 Ventral side opposite to the mesenterium
 post. posterior side
 ant. anterior side

Table 14-1Tumor size, by circumferential division of the bowel wallCircumferential occupancy of the bowel wall

Site	<1/3	<1/2	<2/3	Semi- circular	Circular	X	Total
I	0	0	0	0	1	1	2
V	1	1	1	1	10	5	19
C	109	65	46	68	169	35	492
A	180	130	131	130	278	46	895
T	135	69	57	80	249	31	621
D	59	35	27	41	123	19	304
S	427	279	192	284	581	98	1,861
Rs	159	113	120	123	266	27	808
Ra	194	155	143	143	207	39	881
Rb	327	222	167	180	177	58	1,131
P	19	17	8	10	9	4	67
E	1	0	0	0	1	0	2
Colon	911	579	454	604	1,411	235	4,194
Rectum	700	507	438	456	660	128	2,889
Total	1,611	1,086	892	1,060	2,071	363	7,083

Table 14-2Tumor size, the greatest dimension of the tumor, by site

Site	Tumor size (mm)						X	Total
	<=20	21-40	41-60	61-80	81-100	>100		
I	0	1	0	1	0	0	0	2
V	4	1	4	4	3	0	3	19
C	33	120	146	64	34	22	73	492
A	75	238	255	119	51	30	127	895
T	77	188	155	64	33	18	86	621
D	47	88	82	29	11	6	41	304
S	256	545	520	190	59	39	252	1,861
Rs	79	219	258	90	32	24	106	808
Ra	86	242	246	113	26	38	130	881
Rb	112	328	273	134	48	39	197	1,131
P	7	18	19	10	0	1	12	67
E	1	1	0	0	0	0	0	2
Colon	492	1,181	1,162	471	191	115	582	4,194
Rectum	285	808	796	347	106	102	445	2,889
Total	777	1,989	1,958	818	297	217	1,027	7,083

Table 14-3Tumor size, the greatest dimension of the tumor, by DI

DI	Tumor size (mm)						X	Total
	<=20	21-40	41-60	61-80	81-100	>100		
m	144	181	54	7	7	11	85	489
sm	347	199	38	12	7	6	120	729
mp	159	476	144	38	5	10	139	971
ss/a1	97	752	1,017	385	142	80	323	2,796
se/a2	24	351	607	277	85	68	260	1,672
si/ai	5	25	96	96	50	35	49	356
X	1	5	2	3	1	7	51	70
Total	777	1,989	1,958	818	297	217	1,027	7,083

Table 15-1
Metastasis, peritoneum

Site	Peritoneal metastasis					Total
	P0	P1	P2	P3	PX	
I	2	0	0	0	0	2
V	11	2	1	4	1	19
C	435	15	14	23	5	492
A	826	20	23	23	3	895
T	573	13	10	19	6	621
D	282	6	3	11	2	304
S	1,780	22	22	22	15	1,861
Rs	770	15	12	6	5	808
Ra	845	16	7	6	7	881
Rb	1,057	12	3	3	56	1,131
P	63	1	0	0	3	67
E	2	0	0	0	0	2
Colon	3,909	78	73	102	32	4,194
Rectum	2,737	44	22	15	71	2,889
Total	6,646	122	95	117	103	7,083

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 15-2
Metastasis, liver

Site	Liver metastasis					Total
	H0	H1	H2	H3	HX	
I	2	0	0	0	0	2
V	14	1	1	2	1	19
C	431	19	7	29	6	492
A	798	35	10	51	1	895
T	554	21	14	31	1	621
D	266	14	3	20	1	304
S	1,641	54	46	111	9	1,861
Rs	706	35	18	45	4	808
Ra	796	28	17	36	4	881
Rb	1,012	37	15	38	29	1,131
P	59	1	0	3	4	67
E	2	0	0	0	0	2
Colon	3,706	144	81	244	19	4,194
Rectum	2,575	101	50	122	41	2,889
Total	6,281	245	131	366	60	7,083

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 15-3
Metastasis, lung
Pulmonary metastasis

Site	LM0	LM1	LM2	LM3	LMX	Total
I	1	0	0	0	1	2
V	18	0	0	0	1	19
C	461	3	1	0	27	492
A	851	1	2	1	40	895
T	589	6	1	2	23	621
D	287	1	0	4	12	304
S	1,749	6	5	8	93	1,861
Rs	754	4	3	9	38	808
Ra	833	2	3	4	39	881
Rb	1,031	6	6	4	84	1,131
P	59	0	1	2	5	67
E	2	0	0	0	0	2
Colon	3,956	17	9	15	197	4,194
Rectum	2,679	12	13	19	166	2,889
Total	6,635	29	22	34	363	7,083

LM0 No pulmonary metastasis

LM1 Metastasis only to one lobe

LM2 Metastases to multiple lobes but not meeting "LM3"

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

LMX No information on pulmonary metastasis

Table 15-4

Metastasis, distant organs

Distant metastasis

Site	M(-)	Bone	Brain	Adrenal	Skin	Virchow	OTH	X	Total
I	2	0	0	0	0	0	0	0	2
V	19	0	0	0	0	0	0	0	19
C	473	1	1	1	0	1	4	11	492
A	878	3	0	0	0	2	3	9	895
T	603	2	0	1	0	0	2	13	621
D	296	2	1	0	0	0	2	3	304
S	1,823	0	0	0	0	0	4	34	1,861
Rs	781	1	1	1	0	0	8	16	808
Ra	869	2	1	0	1	0	3	5	881
Rb	1,097	4	1	0	0	0	7	22	1,131
P	63	0	0	0	0	0	1	3	67
E	2	0	0	0	0	0	0	0	2
Colon	4,094	8	2	2	0	3	15	70	4,194
Rectum	2,812	7	3	1	1	0	19	46	2,889
Total	6,906	15	5	3	1	3	34	116	7,083

M(-) No distant metastasis

Adrenal adrenal gland

Virchow Virchow's lymph node

Table 16
Histological classification, by site

Site	Histological classification						Total
	w/d	m/d	p/d	muc	sig	NOS	
I	2	0	0	0	0	0	2
V	8	0	1	8	2	0	19
C	256	169	27	33	2	5	492
A	439	356	51	36	3	10	895
T	332	215	27	38	2	7	621
D	163	127	6	6	1	1	304
S	1,032	750	34	28	0	17	1,861
Rs	420	350	13	14	4	7	808
Ra	439	398	21	16	2	5	881
Rb	574	482	36	28	4	7	1,131
P	24	32	0	10	0	1	67
E	1	0	0	1	0	0	2
Colon	2,232	1,617	146	149	10	40	4,194
Rectum	1,458	1,262	70	69	10	20	2,889
Total	3,690	2,879	216	218	20	60	7,083

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

Table 17-1

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

Site	DI							Total
	M	SM	MP	SS/A1	SE/A2	Si/Ai	X	
I	0	1	0	1	0	0	0	2
V	2	0	1	4	3	8	1	19
C	43	41	35	105	168	87	13	492
A	64	73	84	256	313	88	17	895
T	43	60	51	148	239	65	15	621
D	17	34	25	75	112	32	9	304
S	79	236	193	472	633	204	44	1,861
Rs	32	53	84	224	304	96	15	808
Ra	42	89	106	236	321	65	22	881
Rb	89	133	196	257	303	103	50	1,131
P	6	2	12	17	18	12	0	67
E	0	0	1	0	1	0	0	2
Colon	248	445	389	1,061	1,468	484	99	4,194
Rectum	169	277	399	734	947	276	87	2,889
Total	417	722	788	1,795	2,415	760	186	7,083

Intesitine with serosa, macroscopic

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

Intesitine without serosa

M	Tumor invasion of mucosa
SM	Tumor invasion of submucosa
MP	Tumor invasion of muscularis propria
A1	Tumor invasion through muscularis propria into non-peritonealized part
A2	Tumor invasion of non-peritonealized, pericolic or perirectal tissues
Ai	Direct tumor invasion of other organs or structures

Table 17-2

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

Site	DI						X	Total
	m	sm	mp	ss/a1	se/a2	si/ai		
I	1	0	0	1	0	0	0	2
V	2	0	1	4	5	6	1	19
C	55	34	50	187	120	42	4	492
A	70	66	91	398	221	42	7	895
T	54	57	45	277	150	32	6	621
D	21	33	27	130	77	12	4	304
S	105	224	259	787	380	98	8	1,861
Rs	32	65	110	346	206	37	12	808
Ra	54	94	118	364	214	25	12	881
Rb	91	149	257	287	279	53	15	1,131
P	4	6	13	15	19	9	1	67
E	0	1	0	0	1	0	0	2
Colon	308	414	473	1,784	953	232	30	4,194
Rectum	181	315	498	1,012	719	124	40	2,889
Total	489	729	971	2,796	1,672	356	70	7,083

Intesitine 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

Intesitine without serosa

m Tumor invasion of mucosa
 sm Tumor invasion of submucosa
 mp Tumor invasion of muscularis propria
 a1 Tumor invasion through muscularis propria into non-peritonealized part
 a2 Tumor invasion of non-peritonealized, pericolic or perirectal tissues
 ai Direct tumor invasion of other organs or structures

Table 18Number of organs or structures with cancer invasion, histological

Site	Number of organs with cancer invasion					Total
	1	2	3	4	>=5	
I	0	0	0	0	0	0
V	3	1	0	0	0	4
C	34	5	1	0	0	40
A	31	7	2	0	0	40
T	28	1	0	0	0	29
D	9	1	2	0	0	12
S	73	15	4	0	1	93
Rs	30	5	1	0	1	37
Ra	22	1	0	0	1	24
Rb	44	7	2	0	1	54
P	7	2	0	0	0	9
E	0	0	0	0	0	0
Colon	178	30	9	0	1	218
Rectum	103	15	3	0	3	124
Total	281	45	12	0	4	342

Table 19-1
Lymph node metastasis, macroscopic, by site

Site	Lymph node metastasis						Total
	N0	N1	N2	N3	N4	NX	
I	1	1	0	0	0	0	2
V	7	3	3	3	2	1	19
C	175	139	110	30	20	18	492
A	335	269	182	45	31	33	895
T	286	166	78	37	30	24	621
D	133	96	44	11	10	10	304
S	838	576	291	45	57	54	1,861
Rs	334	299	91	24	32	28	808
Ra	353	358	90	24	35	21	881
Rb	524	293	163	37	26	88	1,131
P	31	13	10	6	2	5	67
E	1	0	1	0	0	0	2
Colon	1,775	1,250	708	171	150	140	4,194
Rectum	1,243	963	355	91	95	142	2,889
Total	3,018	2,213	1,063	262	245	282	7,083

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 19-2

Lymph node metastasis, histological, by site

Site	Lymph node metastasis						Total
	n0	n1	n2	n3	n4	nX	
I	1	1	0	0	0	0	2
V	10	3	0	3	0	3	19
C	272	91	81	17	9	22	492
A	515	189	106	39	20	26	895
T	385	110	53	28	17	28	621
D	181	60	40	3	5	15	304
S	1,125	422	201	27	29	57	1,861
Rs	454	209	81	14	17	33	808
Ra	465	247	85	20	25	39	881
Rb	598	209	154	39	26	105	1,131
P	35	7	12	2	2	9	67
E	0	0	2	0	0	0	2
Colon	2,489	876	481	117	80	151	4,194
Rectum	1,552	672	334	75	70	186	2,889
Total	4,041	1,548	815	192	150	337	7,083

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 19-3Lymph node metastasis, histological, by DI

DI	Lymph node metastasis						Total
	n0	n1	n2	n3	n4	nX	
m	416	0	0	0	0	73	489
sm	616	52	13	1	0	47	729
mp	738	173	41	4	2	13	971
ss/a1	1,540	735	363	70	47	41	2,796
se/a2	587	512	350	89	66	68	1,672
si/ai	139	74	46	27	32	38	356
X	5	2	2	1	3	57	70
Total	4,041	1,548	815	192	150	337	7,083

Table 19-4Lymph node metastasis, histological, colon, by DI

DI	Lymph node metastasis						Total
	n0	n1	n2	n3	n4	nX	
m	300	0	0	0	0	8	308
sm	370	31	5	1	0	7	414
mp	363	87	15	0	2	6	473
ss/a1	1,031	430	223	48	22	30	1,784
se/a2	326	285	208	55	34	45	953
si/ai	98	43	29	12	22	28	232
X	1	0	1	1	0	27	30
Total	2,489	876	481	117	80	151	4,194

Table 19-5

Lymph node metastasis, histological, rectum, by DI

DI	Lymph node metastasis						Total
	n0	n1	n2	n3	n4	nX	
m	116	0	0	0	0	65	181
sm	246	21	8	0	0	40	315
mp	375	86	26	4	0	7	498
ss/a1	509	305	140	22	25	11	1,012
se/a2	261	227	142	34	32	23	719
si/ai	41	31	17	15	10	10	124
X	4	2	1	0	3	30	40
Total	1,552	672	334	75	70	186	2,889

Table 20-1
Lymphatic invasion, by site

Site	Lymphatic invasion						Total
	ly0	ly1	ly2	ly3	ly(+)	X	
I	1	1	0	0	0	0	2
V	8	4	3	2	0	2	19
C	163	154	115	43	5	12	492
A	272	340	188	65	11	19	895
T	217	239	97	50	7	11	621
D	102	111	59	22	1	9	304
S	637	718	346	113	21	26	1,861
Rs	237	317	175	52	7	20	808
Ra	309	301	172	70	13	16	881
Rb	375	396	226	81	16	37	1,131
P	18	27	12	8	0	2	67
E	0	1	1	0	0	0	2
Colon	1,400	1,567	808	295	45	79	4,194
Rectum	939	1,042	586	211	36	75	2,889
Total	2,339	2,609	1,394	506	81	154	7,083

Table 20-2
Lymphatic invasion, colon, by DI

DI	Lymphatic invasion						Total
	ly0	ly1	ly2	ly3	ly(+)	X	
m	294	3	0	0	0	11	308
sm	263	112	19	3	2	15	414
mp	195	200	65	5	5	3	473
ss/a1	441	832	365	105	32	9	1,784
se/a2	163	346	293	140	3	8	953
si/ai	44	73	65	41	3	6	232
X	0	1	1	1	0	27	30
Total	1,400	1,567	808	295	45	79	4,194

Table 20-3

Lymphatic invasion, rectum, by DI

Lymphatic invasion

DI	ly0	ly1	ly2	ly3	ly(+)	X	Total
m	167	3	0	0	0	11	181
sm	170	112	15	1	5	12	315
mp	184	223	77	7	4	3	498
ss/a1	248	421	239	76	19	9	1,012
se/a2	150	240	221	97	6	5	719
si/ai	16	41	33	27	2	5	124
X	4	2	1	3	0	30	40
Total	939	1,042	586	211	36	75	2,889

ly0 No lymphatic invasion

ly1 Minimal lymphatic invasion

ly2 Moderate lymphatic invasion

ly3 Severe lymphatic invasion

ly+ Positive lymphatic invasion

Table 21-1
Venous invasion, by site

Site	Venous invasion						Total
	v0	v1	v2	v3	v(+)	X	
I	1	1	0	0	0	0	2
V	13	3	0	1	0	2	19
C	254	151	48	21	6	12	492
A	435	270	134	27	9	20	895
T	325	180	73	25	5	13	621
D	140	95	41	15	2	11	304
S	961	555	209	74	29	33	1,861
Rs	351	267	119	37	12	22	808
Ra	412	277	122	42	13	15	881
Rb	507	340	148	75	18	43	1,131
P	24	21	18	2	0	2	67
E	0	2	0	0	0	0	2
Colon	2,129	1,255	505	163	51	91	4,194
Rectum	1,294	907	407	156	43	82	2,889
Total	3,423	2,162	912	319	94	173	7,083

Table 21-2
Venous invasion, colon, by DI

DI	Venous invasion						Total
	v0	v1	v2	v3	v(+)	X	
m	298	0	0	0	0	10	308
sm	328	57	9	1	2	17	414
mp	303	127	25	6	5	7	473
ss/a1	751	691	231	67	31	13	1,784
se/a2	358	320	193	62	10	10	953
si/ai	91	59	45	27	3	7	232
X	0	1	2	0	0	27	30
Total	2,129	1,255	505	163	51	91	4,194

Table 21-3
Venous invasion, rectum, by DI

DI	Venous invasion						Total
	v0	v1	v2	v3	v (+)	X	
m	170	0	0	0	0	11	181
sm	228	58	12	0	2	15	315
mp	260	184	38	8	5	3	498
ss/a1	379	372	165	64	21	11	1,012
se/a2	220	247	162	73	11	6	719
si/ai	32	43	28	11	4	6	124
X	5	3	2	0	0	30	40
Total	1,294	907	407	156	43	82	2,889

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

Table 22-1Tumor invasion of surgical margin, macroscopic, by site

Site	Proximal cut end (OW)			Total
	OW(-)	OW(+)	X	
I	2	0	0	2
V	19	0	0	19
C	476	2	14	492
A	881	0	14	895
T	606	0	15	621
D	298	0	6	304
S	1,838	2	21	1,861
Rs	790	1	17	808
Ra	865	1	15	881
Rb	1,098	2	31	1,131
P	66	0	1	67
E	2	0	0	2
Colon	4,120	4	70	4,194
Rectum	2,821	4	64	2,889
Total	6,941	8	134	7,083

Table 22-2Tumor invasion of surgical margin, macroscopic, by site

Site	Distal cut end (AW)			Total
	AW(-)	AW(+)	X	
I	2	0	0	2
V	19	0	0	19
C	478	0	14	492
A	880	0	15	895
T	606	0	15	621
D	297	0	7	304
S	1,836	2	23	1,861
Rs	790	1	17	808
Ra	862	4	15	881
Rb	1,096	4	31	1,131
P	66	0	1	67
E	2	0	0	2
Colon	4,118	2	74	4,194
Rectum	2,816	9	64	2,889
Total	6,934	11	138	7,083

Table 22-3

Tumor invasion of surgical margin, macroscopic, by site

Site	Surgical cut end (EW)			Total
	EW(-)	EW(+)	X	
I	2	0	0	2
V	15	2	2	19
C	459	14	19	492
A	842	22	31	895
T	573	17	31	621
D	287	8	9	304
S	1,777	30	54	1,861
Rs	760	25	23	808
Ra	833	21	27	881
Rb	1,049	37	45	1,131
P	61	4	2	67
E	2	0	0	2
Colon	3,955	93	146	4,194
Rectum	2,705	87	97	2,889
Total	6,660	180	243	7,083

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 22-4Distance between tumor and proximal cut end, by site

Site	Distance between tumor and proximal cut end (mm)				Total
	<=50	51-100	>100	X	
I	0	1	1	0	2
V	4	3	9	3	19
C	69	179	210	34	492
A	93	264	490	48	895
T	120	200	280	21	621
D	59	104	122	19	304
S	348	782	666	65	1,861
Rs	69	264	443	32	808
Ra	68	157	618	38	881
Rb	99	88	848	96	1,131
P	6	0	52	9	67
E	0	0	1	1	2
Colon	693	1,533	1,778	190	4,194
Rectum	242	509	1,962	176	2,889
Total	935	2,042	3,740	366	7,083

Table 22-5Distance between tumor and distal cut end, colon, by site

Site	Distance between tumor and distal cut end (mm)				Total
	<=50	51-100	>100	X	
I	0	0	2	0	2
V	2	5	9	3	19
C	62	121	279	30	492
A	110	261	475	49	895
T	150	268	179	24	621
D	63	102	120	19	304
S	614	810	377	60	1,861
Total	1,001	1,567	1,441	185	4,194

Table 22-6Distance between tumor and distal cut end, rectum, by site

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	102	128	147	128	110	145	28	808
Ra	72	182	237	165	82	35	76	32	881
Rb	169	206	182	139	113	72	139	111	1,131
P	6	15	9	7	8	0	5	17	67
E	0	0	0	0	0	0	0	2	2
Total	267	505	556	458	331	217	365	190	2,889

Table 22-7

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

proximal length (mm)	distal length (mm)			Total
	<=50	51-100	>100	
<=50	381	182	126	689
51-100	360	701	466	1,527
>100	256	679	841	1,776
Total	997	1,562	1,433	3,992

Table 22-8

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

proximal length (mm)	distal length (mm)							Total
	<=10	11-20	21-30	31-40	41-50	51-60	>60	
<=50	85	37	22	13	19	6	55	237
51-100	34	98	110	87	66	47	65	507
>100	145	362	419	357	244	163	240	1,930
Total	264	497	551	457	329	216	360	2,674

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

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

Table 22-9Tumor invasion of surgical margin, histological, by site

Site	Proximal cut end (OW)			Total
	ow (-)	ow (+)	X	
I	2	0	0	2
V	19	0	0	19
C	476	0	16	492
A	874	1	20	895
T	604	1	16	621
D	295	0	9	304
S	1,827	1	33	1,861
Rs	787	0	21	808
Ra	852	1	28	881
Rb	1,092	2	37	1,131
P	66	0	1	67
E	2	0	0	2
Colon	4,097	3	94	4,194
Rectum	2,799	3	87	2,889
Total	6,896	6	181	7,083

Table 22-10Tumor invasion of surgical margin, histological, by site

Site	Distal cut end (aw)			Total
	aw (-)	aw (+)	X	
I	2	0	0	2
V	19	0	0	19
C	476	0	16	492
A	873	2	20	895
T	602	3	16	621
D	294	1	9	304
S	1,826	2	33	1,861
Rs	787	0	21	808
Ra	843	9	29	881
Rb	1,087	8	36	1,131
P	65	1	1	67
E	1	1	0	2
Colon	4,092	8	94	4,194
Rectum	2,783	19	87	2,889
Total	6,875	27	181	7,083

Table 22-11Tumor invasion of surgical margin, histological, by site

Site	Surgical cut end (ew)			Total
	ew(-)	ew(+)	X	
I	2	0	0	2
V	13	5	1	19
C	450	16	26	492
A	823	27	45	895
T	566	16	39	621
D	279	9	16	304
S	1,745	39	77	1,861
Rs	749	26	33	808
Ra	802	36	43	881
Rb	1,022	56	53	1,131
P	56	9	2	67
E	1	1	0	2
Colon	3,878	112	204	4,194
Rectum	2,630	128	131	2,889
Total	6,508	240	335	7,083

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 22-12Tumor invasion of surgical margin, histological

Proximal cut end	Distal cut end			Total
	aw (-)	aw (+)	X	
ow (-)	6,872	23	1	6,896
ow (+)	2	4	0	6
X	1	0	180	181
Total	6,875	27	181	7,083

Table 22-13Tumor invasion of surgical margin, histological

Proximal cut end	Surgical cut end			Total
	ew (-)	ew (+)	X	
ow (-)	6,502	235	159	6,896
ow (+)	2	4	0	6
X	4	1	176	181
Total	6,508	240	335	7,083

Table 22-14Tumor invasion of surgical margin, histological

Distal cut end	Surgical cut end			Total
	ew (-)	ew (+)	X	
aw (-)	6,487	231	157	6,875
aw (+)	17	8	2	27
X	4	1	176	181
Total	6,508	240	335	7,083

Table 23-1Histological examination of peritoneal metastasis, by site

Site	Histological or cytological examination				Total
	Not examined	Positive histology	Positive cytology	X	
I	1	0	0	1	2
V	13	5	0	1	19
C	390	25	4	73	492
A	697	27	11	160	895
T	486	18	8	109	621
D	249	10	2	43	304
S	1,499	32	10	320	1,861
Rs	660	15	4	129	808
Ra	710	9	7	155	881
Rb	875	13	3	240	1,131
P	60	1	0	6	67
E	2	0	0	0	2
Colon	3,335	117	35	707	4,194
Rectum	2,307	38	14	530	2,889
Total	5,642	155	49	1,237	7,083

Table 23-2Histological examination of peritoneal metastasis

Peritoneal metastasis	Histological or cytological examination				Total
	Not examined	Positive histology	Positive cytology	X	
P0	5,465	0	20	1,161	6,646
P1	55	44	8	15	122
P2	36	38	8	13	95
P3	32	53	13	19	117
PX	54	20	0	29	103
Total	5,642	155	49	1,237	7,083

Table 24Additional and/or adjuvant therapy, by site (multi-answers)

Site	Additional and/or adjuvant therapy									
	None	Radiation			Chemotherapy			OTH	X	Total
		pre	intra	post	pre	intra	post			
I	1	0	0	0	0	0	1	0	0	2
V	9	0	0	1	0	0	8	0	1	19
C	223	0	0	9	12	7	224	2	29	506
A	400	0	0	10	18	10	429	1	48	916
T	307	0	0	18	13	8	259	1	31	637
D	132	0	0	2	6	2	149	1	19	311
S	837	2	1	20	55	21	900	5	75	1,916
Rs	320	7	1	12	29	13	409	0	47	838
Ra	378	14	8	24	41	7	402	4	55	933
Rb	512	37	5	58	40	18	488	2	58	1,218
P	24	4	0	7	8	0	28	0	3	74
E	1	0	0	0	0	0	0	0	1	2
Colon	1,909	2	1	60	104	48	1,970	10	203	4,307
Rectum	1,235	62	14	101	118	38	1,327	6	164	3,065
Total	3,144	64	15	161	222	86	3,297	16	367	7,372

pre preoperative therapy
 intra intraoperative therapy
 post postoperative therapy

Table 25-1Operative procedures, patients without tumor resection, by site

Site	Explora- tory	Enterostomy				Bypass	OTH	X	Total
		Ileum	Right colon	Transve- rse	Left colon				
I	0	0	0	0	0	0	0	0	0
V	0	0	0	0	0	0	0	0	0
C	1	1	0	0	0	0	3	1	6
A	1	0	1	0	0	0	5	0	7
T	1	0	0	1	0	1	3	0	6
D	1	0	0	2	0	0	1	0	4
S	3	0	0	1	1	0	0	0	5
Rs	0	0	0	6	4	0	0	0	10
Ra	1	0	0	3	5	0	0	0	9
Rb	1	1	0	1	9	0	1	0	13
P	0	0	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0	0	0
Colon	7	1	1	4	1	1	12	1	28
Rectum	2	1	0	10	18	0	1	0	32
Total	9	2	1	14	19	1	13	1	60

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

III) Adenocarcinoma, Surgical resection

Table 25-2

Operative procedures, laparoscopic surgery

Laparoscopic surgery (LS)

Site	No	Yes		OTH	Total
		LS only	LS assisted		
I	2	0	0	0	2
V	19	0	0	0	19
C	473	2	11	0	486
A	871	5	12	0	888
T	602	0	12	1	615
D	295	0	5	0	300
S	1,803	3	49	1	1,856
Rs	788	2	8	0	798
Ra	871	0	1	0	872
Rb	1,113	3	2	0	1,118
P	67	0	0	0	67
E	2	0	0	0	2
Colon	4,065	10	89	2	4,166
Rectum	2,841	5	11	0	2,857
Total	6,906	15	100	2	7,023

III) Adenocarcinoma, Surgical resection

Table 25-3

Operative procedures

Polypectomy	trans-abdominal	8
	trans-anal	42
	trans-sacral	4
	trans-sphinteric	2
Tumorectomy	trans-abdominal	14
	trans-anal	65
	trans-sacral	20
	trans-sphinteric	7
Segmental resection	colon	138
	rectum	11
Appendectomy		2
Ileocecal resection		242
Ascending colectomy		76
Right hemicolectomy		1,215
Transverse colectomy		328
Descending colectomy		108
Left hemicolectomy		219
Sigmoidectomy		1,557
Subtotal colectomy		15
Total colectomy		10
Shincter preserving operation	hight anterior resection	514
	low anterior resection	1,460
	posterior resection	7
	invagination method	1
	pull through procedure	4
	abdomionosacral resection	14
Hartmann's operation		166
Amputation of the rectum	abdominoperineal	696
	abdominosacral	19
Total pelvic exenteration		31
Total resection of the colon and rectum		
	with ileostumy	1
	with ileoanal anastomosis	7
OTH		14
X		6
Total		7,023

III) Adenocarcinoma, Surgical resection

Table 26-1

Lymph node dissection, paraintestinal, by site

<u>Lymph node dissection, paraintestinal nodes</u>					
Site	D0	D1	D2	X	Total
I	0	0	1	1	2
V	2	2	15	0	19
C	15	107	346	18	486
A	19	141	704	24	888
T	28	155	414	18	615
D	13	69	204	14	300
S	58	457	1,272	69	1,856
Rs	21	173	569	35	798
Ra	43	177	610	42	872
Rb	118	169	761	70	1,118
P	4	10	46	7	67
E	0	0	2	0	2
Colon	135	931	2,956	144	4,166
Rectum	186	529	1,988	154	2,859
Total	321	1,460	4,944	298	7,023

Table 26-2

Lymph node dissection, mesenteric, by site

<u>Lymph node dissection, mesenteric nodes</u>					
Site	D0	D2	D3	X	Total
I	0	0	2	0	2
V	3	8	7	1	19
C	47	160	259	20	486
A	77	288	498	25	888
T	84	252	250	29	615
D	36	130	122	12	300
S	176	719	891	70	1,856
Rs	66	259	441	32	798
Ra	60	326	445	41	872
Rb	146	352	549	71	1,118
P	6	20	34	7	67
E	0	1	1	0	2
Colon	423	1,557	2,029	157	4,166
Rectum	278	958	1,470	151	2,859
Total	701	2,515	3,499	308	7,023

III) Adenocarcinoma, Surgical resection

Table 26-3

Lymph node dissection, rectum, lateral, by site

Site	Lymph node dissection, lateral nodes				Total
	D0	D2	D3	X	
Rs	377	84	48	289	798
Ra	373	165	159	175	872
Rb	396	270	282	170	1,118
P	19	17	17	14	67
E	0	0	2	0	2
Total	1,165	536	508	648	2,857

- 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

III) Adenocarcinoma, Surgical resection

Table 27-1

Combined resection, by site

Site	Number of organs resected						Total
	0	1	2	3	4	>=5	
I	2	0	0	0	0	0	2
V	13	3	3	0	0	0	19
C	407	65	9	4	1	0	486
A	763	106	17	2	0	0	888
T	526	80	9	0	0	0	615
D	265	27	7	1	0	0	300
S	1,616	167	51	18	2	2	1,856
Rs	677	85	26	6	3	1	798
Ra	786	65	11	6	2	2	872
Rb	980	104	23	7	3	1	1,118
P	57	9	1	0	0	0	67
E	2	0	0	0	0	0	2
Colon	3,592	448	96	25	3	2	4,166
Rectum	2,502	263	61	19	8	4	2,857
Total	6,094	711	157	44	11	6	7,023

III) Adenocarcinoma, Surgical resection

Table 27-2

Combined resection, by site (multi-answers)

Organ	Site												Total
	I	V	C	A	T	D	S	Rs	Ra	Rb	P	E	
Abdominal wall	0	0	0	2	0	1	1	0	0	0	0	0	4
Pelvic wall	0	0	0	0	2	0	0	1	1	6	0	0	10
Uterus	0	0	0	0	0	1	16	5	11	11	2	0	46
Ovary & tube	0	1	7	2	1	2	25	16	10	11	0	0	75
Vagina	0	0	0	1	0	0	1	3	1	29	4	0	39
Prostate	0	0	0	0	0	0	0	0	1	13	2	0	16
Bladder	0	0	2	3	0	0	53	30	15	6	0	0	109
Ureter	0	0	0	0	0	0	0	1	0	0	0	0	1
Stomach	0	0	1	6	15	1	7	2	1	2	0	0	35
Duodenum	0	0	0	1	1	0	0	0	0	0	0	0	2
Small intestine	0	2	14	16	12	6	38	10	3	1	1	0	103
Colon	0	1	5	5	3	0	11	6	8	5	0	0	44
Rectum	0	0	0	0	0	0	5	0	0	0	0	0	5
Liver	0	0	0	3	0	0	0	1	0	0	0	0	4
Omentum	0	0	1	2	0	0	0	0	0	0	0	0	3
OTH	0	2	50	80	48	21	78	40	35	38	1	0	393
Total	0	6	80	121	82	32	235	115	86	122	10	0	889

III) Adenocarcinoma, Surgical resection

Table 28-1

Treatment for liver metastasis, by site

Site	Resection of liver metastasis			Total
	Complete	Incomplete	X	
I	0	0	0	0
V	0	0	0	0
C	10	5	0	15
A	26	2	1	29
T	14	8	0	22
D	10	2	1	13
S	45	8	3	56
Rs	16	8	0	24
Ra	18	4	2	24
Rb	21	4	0	25
P	0	0	0	0
E	0	0	0	0
Colon	105	25	5	135
Rectum	55	16	2	73
Total	160	41	7	208

Table 28-2

Treatment for liver metastasis

Liver metastasis	Resection of liver metastasis			Total
	Complete	Incomplete	X	
H1	109	10	3	122
H2	33	10	2	45
H3	11	19	1	31
HX	7	2	1	10
Total	160	41	7	208

III) Adenocarcinoma, Surgical resection

Table 28-3

Treatment for liver metastasis, by site

Treatment modality other than hepatectomy

Site	Ethanol	MCT	OTH	Total
I	0	0	0	0
V	0	0	0	0
C	0	1	4	5
A	0	2	10	12
T	1	2	7	10
D	1	0	3	4
S	1	1	33	35
Rs	2	3	14	19
Ra	1	2	9	12
Rb	3	2	11	16
P	0	0	0	0
E	0	0	0	0
Colon	3	6	57	66
Rectum	6	7	34	47
Total	9	13	91	113

Table 28-4

Treatment for liver metastasis

Treatment modality other than hepatectomy

Liver metastasis	Ethanol	MCT	OTH	Total
H1	2	9	16	27
H2	2	2	19	23
H3	5	2	56	63
Total	9	13	91	113

Ethanol ethanol injection therapy

MCT microwave coagulothorapy

Table 29-1Curability of surgical resection, macroscopic, by site

Site	Curability of surgical resection				Total
	Cur A	Cur B	Cur C	Not resected	
I	2	0	0	0	2
V	9	1	9	0	19
C	366	39	81	6	492
A	701	72	114	8	895
T	474	41	100	6	621
D	231	23	46	4	304
S	1,502	118	236	5	1,861
Rs	622	52	124	10	808
Ra	709	65	99	8	881
Rb	938	72	108	13	1,131
P	49	9	9	0	67
E	2	0	0	0	2
Colon	3,285	294	586	29	4,194
Rectum	2,320	198	340	31	2,889
Total	5,605	492	926	60	7,083

Cur A No residual tumors

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

Cur C Definite residual tumors

Table 29-2Curability of surgical resection, microscopic, by site

Site	Curability of surgical resection					Total
	cur A	cur B	cur C	Not resected	X	
I	2	0	0	0	0	2
V	8	1	10	0	0	19
C	369	37	78	6	2	492
A	692	79	115	8	1	895
T	479	38	93	6	5	621
D	232	21	46	4	1	304
S	1,506	118	228	5	4	1,861
Rs	635	47	116	10	0	808
Ra	696	63	111	8	3	881
Rb	898	87	123	13	10	1,131
P	47	8	12	0	0	67
E	1	0	1	0	0	2
Colon	3,288	294	570	29	13	4,194
Rectum	2,277	205	363	31	13	2,889
Total	5,565	499	933	60	26	7,083

cur A No residual tumors

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

cur C Definite residual tumors

Table 30-1
Histological stage, by site

Site	Histological stage							Total
	0	I	II	IIIa	IIIb	IV	X	
I	1	0	0	1	0	0	0	2
V	2	1	3	2	0	9	2	19
C	55	77	125	70	63	92	10	492
A	70	129	268	168	94	154	12	895
T	54	91	206	87	61	109	13	621
D	21	50	96	48	26	60	3	304
S	103	381	534	370	166	277	30	1,861
Rs	32	144	240	168	74	135	15	808
Ra	53	167	233	211	73	122	22	881
Rb	86	293	227	192	146	127	60	1,131
P	3	13	14	11	12	7	7	67
E	0	0	0	0	2	0	0	2
Colon	306	729	1,232	746	410	701	70	4,194
Rectum	174	617	714	582	307	391	104	2,889
Total	480	1,346	1,946	1,328	717	1,092	174	7,083

Table 30-2
Histological stage, by curability of surgical resection

Curability	Histological stage							Total
	0	I	II	IIIa	IIIb	IV	X	
cur A	469	1,337	1,889	1,212	577	0	81	5,565
cur B	4	5	34	67	95	278	16	499
cur C	4	4	22	47	44	785	27	933
Not resected	0	0	1	0	0	28	22	51
X	3	0	0	2	1	1	28	35
Total	480	1,346	1,946	1,328	717	1,092	174	7,083

Table 31
Accompanied lesion

Accompanied lesion	Site												
	I	V	C	A	T	D	S	Rs	Ra	Rb	P	E	Total
Adenoma	0	1	87	190	142	71	343	133	157	196	6	0	1,326
Adenomatosis	0	0	7	8	7	3	10	5	2	11	0	0	53
Ulcerative colitis	0	0	1	0	2	0	1	2	1	3	0	0	10
Crohn's disease	0	0	0	0	0	0	0	1	0	0	0	0	1
Radiation colitis	0	0	0	0	0	0	2	0	0	0	0	0	2
Anal fistula	0	0	1	0	0	1	2	1	1	0	2	0	8
OTH	0	1	15	36	11	13	58	23	25	36	3	0	221

IV) Adenocarcinoma, Endoscopic excision

Table 32Site and number of cancers

Site	Number of cancers						Total
	1	2	3	4	>=5	X	
C	29	2	1			1	33
A	52	5				3	60
T	47	5	1	1			54
D	38	5				1	44
S	292	23	3		2	13	333
Rs	83	5				4	92
Ra	73	1				3	77
Rb	57	3				1	61
Colon	458	40	5	1	2	18	524
Rectum	213	9	0	0	0	8	230
Total	671	49	5	1	2	26	754

Table 33-1Endoscopic excision

Site	Modality of endoscopic resection			Total
	Electric cautery	OTH	X	
C	31		2	33
A	56		4	60
T	53	1		54
D	39		5	44
S	315	1	17	333
Rs	89		3	92
Ra	74	1	2	77
Rb	60		1	61
Colon	494	2	28	524
Rectum	223	1	6	230
Total	717	3	34	754

IV) Adenocarcinoma, Endoscopic excision

Table 33-2

Endoscopic excision, evaluation of the excision

Site	Excision			Total
	Complete	Incomplete	X	
C	25	4	4	33
A	52	2	6	60
T	47	2	5	54
D	41	1	2	44
S	294	21	18	333
Rs	81	8	3	92
Ra	63	8	6	77
Rb	50	7	4	61
Colon	459	30	35	524
Rectum	194	23	13	230
Total	653	53	48	754

Table 33-3

Endoscopic excision, evaluation of the retrieval of resected specimens

Site	Specimens			Total
	Complete	Incomplete	X	
C	30	2	1	33
A	57	1	2	60
T	54			54
D	43		1	44
S	326	2	5	333
Rs	90	1	1	92
Ra	74	1	2	77
Rb	55	3	3	61
Colon	510	5	9	524
Rectum	219	5	6	230
Total	729	10	15	754

IV) Adenocarcinoma, Endoscopic excision

Table 34-1

Gross appearance, by site

Site	Gross appearance									Total
	Ip	Isp	Is	IIa	IIa+IIc	IIc	IIc+IIa	OTH	X	
C	5	8	5	7	1			4	3	33
A	23	15	8	12				1	1	60
T	14	15	6	13	4			1	1	54
D	14	13	8	4	4				1	44
S	135	106	47	28	4	1		3	9	333
Rs	21	44	14	10	1		1	1		92
Ra	12	30	19	8	2			4	2	77
Rb	4	23	16	15	1				2	61
Colon	191	157	74	64	13	1	0	9	15	524
Rectum	37	97	49	33	4	0	1	5	4	230
Total	228	254	123	97	17	1	1	14	19	754

Table 34-2

Gross appearance, by DI

DI	Gross appearance									Total
	Ip	Isp	Is	IIa	IIa+IIc	IIc	IIc+IIa	OTH	X	
m	174	168	77	73	5	1		11	11	520
sm	50	83	46	20	10		1	3	7	220
mp					1					1
X	4	3		4	1				1	13
Total	228	254	123	97	17	1	1	14	19	754
Depth of submucosal invasion										
slight	11	26	18	8	3		1	1	1	69
massive	28	42	24	8	7			2	3	114
NOS	11	15	4	4					3	37

IV) Adenocarcinoma, Endoscopic excision

Table 35
DI, by site

Site	m	sm	mp	X	Total	Grade of sm invasion		
						slight	massive	NOS
C	26	4		3	33	1	2	1
A	48	12			60	5	2	5
T	42	11		1	54	2	6	3
D	34	9		1	44	3	4	2
S	219	109		5	333	27	66	16
Rs	63	27		2	92	8	13	6
Ra	48	28	1		77	17	9	2
Rb	40	20		1	61	6	12	2
Colon	369	145	0	10	524	38	80	27
Rectum	151	75	1	3	230	31	34	10
Total	520	220	1	13	754	69	114	37

Table 36-1
Histological classification, by site

Site	Histological classification			X	Total
	Carcinoma in adenoma	Carcinoma with adenomatous component	Carcinoma without adenomatous component		
C	21	8	3	1	33
A	34	16	5	5	60
T	30	13	8	3	54
D	25	10	6	3	44
S	175	78	57	23	333
Rs	48	18	18	8	92
Ra	35	21	15	6	77
Rb	24	16	13	8	61
Colon	285	125	79	35	524
Rectum	107	55	46	22	230
Total	392	180	125	57	754

IV) Adenocarcinoma, Endoscopic excision

Table 36-2

Histological classification, by site

Site	Histological classification					Total
	w/d	m/d	p/d	sig	, NOS	
C	26	3			4	33
A	55	4			1	60
T	49	3			2	54
D	43				1	44
S	279	32	2		20	333
Rs	84	3		1	4	92
Ra	63	10			4	77
Rb	55	4			2	61
Colon	452	42	2	0	28	524
Rectum	202	17	0	1	10	230
Total	654	59	2	1	38	754

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

Table 37

Lymphatic invasion and sm invasion

sm invasion	Lymphatic invasion						Total
	ly0	ly1	ly2	ly3	ly(+)	X	
slight	49	10	1			9	69
massive	54	30	5		2	23	114
NOS	23	3			2	9	37
Total	126	43	6	0	4	41	220

Table 38

Venous invasion and sm invasion

sm invasion	Venous invasion						Total
	V0	V1	V2	V3	v(+)	X	
slight	55	5				9	69
massive	70	17	1	2	3	21	114
NOS	24	3			3	7	37
Total	149	25	1	2	6	37	220

IV) Adenocarcinoma, Endoscopic excision

Table 39-1Tumor size, by gross appearance

Size (mm)	Gross appearance								X	Total
	Ip	Isp	Is	IIa	IIa+IIc	IIc	IIc+IIa	OTH		
<=5	6	15	18	8	0	0	0	0	0	47
6-10	58	100	47	32	7	0	1	0	3	248
11-15	76	72	27	22	6	1	0	1	4	209
16-20	48	36	12	17	1	0	0	2	3	119
21-30	29	19	10	10	0	0	0	5	1	74
31-40	4	3	3	0	0	0	0	3	1	14
>40	0	1	0	1	0	0	0	3	0	5
X	7	8	6	7	3	0	0	0	7	38
Total	228	254	123	97	17	1	1	14	19	754

Table 39-2Tumor size, by DI

Size (mm)	DI				Total
	m	sm	mp	X	
<=5	45	1	0	1	47
6-10	184	63	0	1	248
11-15	128	77	1	3	209
16-20	83	33	0	3	119
21-30	49	24	0	1	74
31-40	9	4	0	1	14
>40	5	0	0	0	5
X	17	18	0	3	38
Total	520	220	1	13	754

IV) Adenocarcinoma, Endoscopic excision

Table 40

Cut end of the specimen, mucosal and submucosal

DI							Total
m-ce	sm				mp		
	m	sm-ce			+	X	
		-	+	X			
-	434	97	10	21		3	565
+	32	3	10	14	1	2	62
X	54	17	12	36		8	127
Total	520	117	32	71	1	13	754

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 should be classified as positive.

Table 41-1

Metastasis, by site

Site	Any metastasis			Total
	No	Yes	X	
C	32		1	33
A	58		2	60
T	51		3	54
D	43		1	44
S	312	2	19	333
Rs	89		3	92
Ra	73		4	77
Rb	54	1	6	61
Colon	496	2	26	524
Rectum	216	1	13	230
Total	712	3	39	754

IV) Adenocarcinoma, Endoscopic excision

Table 41-2

Metastasis, by DI

DI	Any metastasis			Total
	No	Yes	X	
m	505		15	520
sm	193	3	24	220
mp	1			1
X	13			13
Total	712	3	39	754

Table 42-1

Curability of endoscopic excision, by site

Site	Evaluation of colorectal endoscopy				Total
	cur A	cur B	cur C	X	
C	22	7	3	1	33
A	53	5	1	1	60
T	42	7	2	3	54
D	37	6		1	44
S	253	52	18	10	333
Rs	72	13	2	5	92
Ra	59	10	2	6	77
Rb	43	8	4	6	61
Colon	407	77	24	16	524
Rectum	174	31	8	17	230
Total	581	108	32	33	754

IV) Adenocarcinoma, Endoscopic excision

Table 42-2

Curability of endoscopic excision, by DI

DI	Evaluation of colorectal endoscopy				Total
	cur A	cur B	cur C	X	
m	480	31	3	6	520
sm	101	69	23	27	220
mp			1		1
X		8	5		13
Total	581	108	32	33	754

IV) Adenocarcinoma, Endoscopic excision

Table 43-1Additional surgery

	<u>Additional surgical resection</u>		Total
	Yes	No	
Site			
C	8	25	33
A	7	53	60
T	11	43	54
D	4	40	44
S	83	250	333
Rs	21	71	92
Ra	17	60	77
Rb	11	50	61
DI			
m	23	497	520
sm	133	87	220
mp	1		1
X	5	8	13
sm invasion (sm cancers)			
slight	18	51	69
massive	98	16	114
NOS	17	20	37
Histology, Adenomatous component			
Carcinoma in adenoma	20	372	392
Carcinoma with adenomatous component	61	119	180
Carcinoma without adenomatous component	50	75	125
X	31	26	57
Histological classification			
w/d	118	536	654
m/d	35	24	59
p/d	2		2
sig	1		1
NOS	6	32	38

IV) Adenocarcinoma, Endoscopic excision

Table 43-2Additional surgery

	<u>Additional surgical resection</u>		Total
	Yes	No	
m-ce			
-	70	495	565
+	38	24	62
X	54	73	127
sm-ce (sm cancers)			
-	49	68	117
+	30	2	32
X	54	17	71
ly (sm cancers)			
ly0	63	63	126
ly1	35	8	43
ly2	5	1	6
ly3	3	1	4
X	27	14	41
v (sm cancers)			
V0	83	66	149
V1	18	7	25
V2	1		1
V3	2		2
V(+)	4	2	6
X	25	12	37
Evaluation of colorectal endoscopy			
cur A	51	530	581
cur B	56	52	108
cur C	29	3	32
X	26	7	33

V) Adenocarcinoma, Surgery after endoscopic excision

Table 44

Laparoscopic surgery as additional surgery

Laparoscopic surgery (LS)

Site	No	Yes		X	Total
		LS only	LS assisted		
C	2	3	0	3	8
A	4	0	0	3	7
T	6	0	3	2	11
D	3	0	0	1	4
S	32	2	8	41	83
Rs	8	1	2	10	21
Ra	6	1	0	10	17
Rb	4	0	0	7	11
Colon	47	5	11	50	113
Rectum	18	2	2	27	49
Total	65	7	13	77	162

Table 45

Residual cancer in surgically resected specimen, additional surgery

Residual cancer in the resected specimen

Site	No	Yes	X	Total
C	5	0	3	8
A	3	1	3	7
T	5	1	5	11
D	2	0	2	4
S	61	7	15	83
Rs	11	2	8	21
Ra	7	4	6	17
Rb	6	1	4	11
Colon	76	9	28	113
Rectum	24	7	18	49
Total	100	16	46	162

V) Adenocarcinoma, Surgery after endoscopic excision

Table 46
DI, by site, additional surgery

Site	DI						X	Total
	m	sm	mp	ss/a1	se/a2	si/ai		
C	3	2	0	1	0	0	2	8
A	2	4	0	0	0	0	1	7
T	3	6	0	0	0	0	2	11
D	0	3	0	0	0	0	1	4
S	7	63	0	2	0	0	11	83
Rs	3	9	1	0	0	0	8	21
Ra	2	9	1	0	0	0	5	17
Rb	2	8	0	0	0	0	1	11
Colon	15	78	0	3	0	0	17	113
Rectum	7	26	2	0	0	0	14	49
Total	22	104	2	3	0	0	31	162

Table 47-1
Lymph node metastasis, macroscopic, by site, additional surgery

Site	Lymph node metastasis						Total
	N0	N1	N2	N3	N4	NX	
C	7	0	0	0	0	1	8
A	7	0	0	0	0	0	7
T	8	0	0	0	0	3	11
D	3	0	0	0	0	1	4
S	76	1	1	0	0	5	83
Rs	18	0	0	0	0	3	21
Ra	14	0	0	0	0	3	17
Rb	7	1	0	0	0	3	11
Colon	101	1	1	0	0	10	113
Rectum	39	1	0	0	0	9	49
Total	140	2	1	0	0	19	162

V) Adenocarcinoma, Surgery after endoscopic excision

Table 47-2

Lymph node metastasis, histological, by site, additional surgery

Site	Lymph node metastasis						Total
	n0	n1	n2	n3	n4	nX	
C	6	0	0	0	0	2	8
A	5	0	0	0	0	2	7
T	9	0	0	0	0	2	11
D	3	0	0	0	0	1	4
S	68	2	2	0	1	10	83
Rs	15	1	0	0	0	5	21
Ra	12	2	0	0	0	3	17
Rb	7	1	0	0	0	3	11
Colon	91	2	2	0	1	17	113
Rectum	34	4	0	0	0	11	49
Total	125	6	2	0	1	28	162

Table 48

Lymphatic invasion in surgically resected specimen, additional surgery

Site	Lymphatic invasion						Total
	ly0	ly1	ly2	ly3	ly(+)	X	
C	7	0	0	0	0	1	8
A	4	1	0	0	0	2	7
T	8	0	0	0	0	3	11
D	2	1	0	0	0	1	4
S	45	11	1	0	1	25	83
Rs	8	4	1	0	0	8	21
Ra	6	4	0	0	0	7	17
Rb	8	2	0	0	0	1	11
Colon	66	13	1	0	1	32	113
Rectum	22	10	1	0	0	16	49
Total	88	23	2	0	1	48	162

V) Adenocarcinoma, Surgery after endoscopic excision

Table 49
Venous invasion in surgically resected specimen, additional surgery

Site	Venous invasion						Total
	v0	v1	v2	v3	v(+)	X	
C	7	0	0	0	0	1	8
A	5	0	0	0	0	2	7
T	8	0	0	0	0	3	11
D	3	0	0	0	0	1	4
S	49	8	0	1	1	24	83
Rs	11	2	0	0	0	8	21
Ra	8	1	1	0	0	7	17
Rb	7	1	1	0	0	2	11
Colon	72	8	0	1	1	31	113
Rectum	26	4	2	0	0	17	49
Total	98	12	2	1	1	48	162

Table 50
Curability of surgical resection, additional surgery

Site	Curability					Total
	cur A	cur B	cur C	Not resected	X	
C	8	0	0	0	0	8
A	6	0	0	0	1	7
T	9	0	0	0	2	11
D	3	0	0	0	1	4
S	74	1	2	0	6	83
Rs	18	0	0	0	3	21
Ra	15	0	0	0	2	17
Rb	9	1	0	0	1	11
Colon	100	1	2	0	10	113
Rectum	42	1	0	0	6	49
Total	142	2	2	0	16	162

V) Adenocarcinoma, Surgery after endoscopic excision

Table 51

Histological stage, additional surgery

Site	Histological stage							Total
	0	I	II	IIIa	IIIb	IV	X	
C	3	2	1	0	0	0	2	8
A	2	4	0	0	0	0	1	7
T	3	6	0	0	0	0	2	11
D	0	3	0	0	0	0	1	4
S	7	55	0	2	2	2	15	83
Rs	3	10	0	1	0	0	7	21
Ra	2	9	0	2	0	0	4	17
Rb	2	5	0	1	0	0	3	11
Colon	15	70	1	2	2	2	21	113
Rectum	6	24	0	4	0	0	15	49
Total	22	94	1	6	2	2	35	162

Table 52

Operative procedures, additional surgery

Operative procedure	Site								Total
	C	A	T	D	S	Rs	Ra	Rb	
Trans-anal resection	0	0	0	0	0	0	2	3	5
Partial colectomy	2	0	3	1	6	1	0	0	13
Ileocecal resection	6	4	0	0	0	0	0	0	10
Right hemicolectomy	0	3	0	0	0	0	0	0	3
Transverse colectomy	0	0	6	0	0	0	0	0	6
Descending colectomy	0	0	0	0	2	0	0	0	2
Left hemicolectomy	0	0	0	2	2	0	0	0	4
Sigmoidectomy	0	0	0	0	64	0	0	0	64
HAR	0	0	0	0	4	15	2	0	21
LAR	0	0	0	0	2	3	11	7	23
X	0	0	2	1	3	2	2	1	11
Total	8	7	11	4	83	21	17	11	162

Malignant neoplasms other than adenocarcinoma

A total of 173 patients with malignancies other than adenocarcinoma was classified in 3 groups.

I)	All-----	173 cases
II)	Surgery-----	146 cases
III)	Endoscopic excision-----	27 cases

Abbreviations of histological typing in this report.

sq	squamous cell carcinoma
as	adenosquamous carcinoma
un	undifferentiated carcinoma
bas	basaloid carcinoma
OEM	other epithelial malignancies
MM	malignant melanoma
LMB	leiomyoblastoma
LMS	leiomyosarcoma
NHL	non-Hodgikin lymphomas

I) Other malignancies, All cases

Table 53-1
Age incidence, males

Site	Age									Total
	<20	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	
I	0	0	0	0	0	0	0	0	0	0
V	0	1	0	0	1	1	0	0	0	3
C	0	0	1	2	0	5	2	1	0	11
A	0	0	0	0	0	2	2	0	0	4
T	0	0	0	3	1	3	1	0	0	8
D	0	0	0	1	0	0	1	0	0	2
S	0	0	0	1	2	3	1	1	0	8
Rs	0	0	0	0	1	2	0	1	1	5
Ra	0	0	0	0	3	4	1	0	0	8
Rb	0	0	1	10	16	7	3	0	0	37
P	0	0	0	0	6	4	0	1	0	11
E	0	0	0	0	0	0	1	1	0	2
Colon	0	1	1	7	4	14	7	2	0	36
Rectum	0	0	1	10	26	17	5	3	1	63
Total	0	1	2	17	30	31	12	5	1	99

Table 53-2
Age incidence, females

Site	Age									Total
	<20	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	
I	0	0	0	0	0	1	0	0	0	1
V	0	0	0	0	0	0	0	1	0	1
C	0	0	0	1	0	0	1	0	0	2
A	0	0	0	2	1	1	1	1	0	6
T	0	0	0	0	1	4	0	0	0	5
D	0	0	0	0	1	0	0	0	0	1
S	0	0	0	1	0	6	1	0	0	8
Rs	0	0	0	0	1	2	0	0	0	3
Ra	0	0	0	1	1	2	0	0	0	4
Rb	0	0	1	5	6	7	8	3	0	30
P	0	0	0	0	1	5	4	2	0	12
E	0	0	0	0	0	1	0	0	0	1
Colon	0	0	0	4	3	12	3	2	0	24
Rectum	0	0	1	6	9	17	12	5	0	50
Total	0	0	1	10	12	29	15	7	0	74

Table 54
Histological typing, by site

Site	Histology											Total
	sq	as	ud	bas	OEM	cd	MM	LMB	LMS	NHL	OTH	
I	0	0	0	0	0	0	0	0	0	1	0	1
V	0	0	0	0	0	2	0	0	0	0	2	4
C	1	3	0	0	0	4	1	1	0	2	1	13
A	1	0	1	0	0	1	0	0	1	3	3	10
T	0	0	4	0	4	2	0	0	1	0	1	12
D	0	0	0	0	1	1	0	0	0	0	1	3
S	0	1	0	0	0	0	0	0	1	2	7	11
Rs	0	0	0	0	0	2	0	0	0	1	3	6
Ra	0	0	1	0	0	6	0	0	0	1	3	11
Rb	4	2	1	1	1	27	0	0	3	5	5	49
P	16	2	2	1	1	0	1	0	0	0	0	23
E	0	0	0	1	0	0	1	0	0	0	1	3
Colon	2	4	5	0	5	10	1	1	3	8	15	54
Rectum	20	4	4	3	2	35	2	0	3	7	12	92
Total	22	8	9	3	7	45	3	1	6	15	27	146

Table 55
Modality of principal treatmet

Treatment	Histology											Total
	sq	as	ud	bas	OEM	cd	MM	LMB	LMS	NHL	OTH	
None	0	0	0	0	0	0	0	0	0	0	0	0
Surgery	21	8	9	3	7	45	3	1	6	15	26	144
Radiation	0	0	0	0	0	0	0	0	0	0	0	0
Chemothrapy	0	0	0	0	0	0	0	0	0	0	1	1
RT+CT	1	0	0	0	0	0	0	0	0	0	0	1
Total	22	8	9	3	7	45	3	1	6	15	27	146

Table 56DI

Histology

DI	sq	as	ud	bas	OEM	cd	MM	LMB	LMS	NHL	OTH	Total
m	0	0	0	0	0	3	1	0	0	0	9	13
sm	3	0	0	0	2	26	0	0	0	3	4	38
mp	5	1	3	1	1	2	1	0	1	1	0	16
ss/a1	4	4	2	1	0	7	0	0	2	6	1	27
se/a2	5	0	2	1	3	2	1	1	1	3	0	19
si/ai	3	1	1	0	1	2	0	0	1	2	1	12
X	2	2	1	0	0	3	0	0	1	0	12	17
Total	22	8	9	3	7	45	3	1	6	15	27	146

Table 57

Lymph node metastasis, histological

Lymph node	Histology											Total
	sq	as	ud	bas	OEM	cd	MM	LMB	LMS	NHL	OTH	
n0	10	4	4	1	3	19	2	0	4	8	18	73
n1	2	0	2	0	1	1	0	1	0	0	3	10
n2	5	2	0	0	1	5	1	0	1	1	0	16
n3	1	2	2	0	0	1	0	0	0	0	0	6
n4	2	0	0	0	1	0	0	0	0	2	1	6
nX	1	0	1	2	1	19	0	0	1	4	4	33
Total	21	8	9	3	7	45	3	1	6	15	26	144

Table 58

Tumor size (mm)

Size (mm)	Histology											Total
	sq	as	ud	bas	OEM	cd	MM	LMB	LMS	NHL	OTH ^s	
<=20	4	1	1	0	2	24	1	0	0	2	5	40
21-40	7	1	2	1	1	4	0	0	1	3	6	26
41-60	5	0	2	0	1	5	0	0	1	1	2	17
61-80	2	2	1	0	2	3	0	0	0	1	1	12
>80	2	2	1	0	1	0	1	1	3	5	3	19
X	1	2	2	2	0	9	1	0	1	3	9	30
Total	21	8	9	3	7	45	3	1	6	15	26	144

Table 59Curability of surgical resection, histologicalHistology

Curability	sq	as	ud	bas	OEM	cd	MM	LMB	LMS	NHL	OTH	Total
cur A	11	4	5	1	5	39	3	0	5	8	20	101
cur B	4	0	2	0	0	2	0	0	0	1	0	9
cur C	5	4	1	1	2	2	0	1	1	6	2	25
Not resected	0	0	1	0	0	0	0	0	0	0	1	2
X	1	0	0	1	0	2	0	0	0	0	3	7
Total	21	8	9	3	7	45	3	1	6	15	26	144

III) Other malignancies, Endoscopic excision

Table 60
Histological typing, by site

Site	Histology		Total
	cd	OEM	
C	0	0	0
A	0	0	0
T	0	1	1
D	0	0	0
S	1	4	5
Rs	1	1	2
Ra	1	0	1
Rb	17	1	18
Colon	1	5	6
Rectum	19	2	21
Total	20	7	27

Table 61
Endoscopic excision

Excision	Histology		Total
	cd	OEM	
Complete	15	5	20
Incomplete	3	2	5
X	2	0	2
Total	20	7	27

Table 62

DI	Histology		Total
	cd	OEM	
m	1	1	2
sm	16	6	22
X	3	0	3
Total	20	7	27

III) Other malignancies, Endoscopic excision

Table 63

Cut end of the specimen, mucosal and submucosal

DI						Total
sm						
sm-ce						
m-ce	m	-	+	X	X	
-	1	15	1	1	0	18
+	0	0	2	1	0	3
X	1	0	0	2	3	6
Total	2	15	3	4	3	27

Table 64

Curability of endoscopic excision

Curability	Histology		Total
	cd	OEM	
cur A	13	2	15
cur B	7	4	11
cur C	0	1	1
Total	20	7	27

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事務所：近畿大学医学部 第1外科内

〒589-0021 大阪府大阪狭山市大野東377-2

T E L 0723(66)0221

全国登録委員会：栃木県立がんセンター

〒320-0834 栃木県宇都宮市陽南4-9-13

T E L 028(658)5151

印 刷

(株)松井ビ・テ・オ・印刷

〒321-0901 宇都宮市陽東5丁目9-27

T E L 028(662)2511
