

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

Vol. 21

**Cases treated in 1997
(Prospective Registry Data)**

Japanese Society for Cancer of the Colon and Rectum

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PREFACE

This is the twenty-first report of the 'Multi-Institutional Registry of Large Bowel Cancer in Japan' and contains clinical and pathological information on the patients treated in the year 1997. This volume is based on voluntary registrations from 122 institutions belonging to Japanese Society for Cancer of the Colon and Rectum (JSCCR). Most of the analyses were conducted using data on 7687 colorectal malignancies with histological verification and site-specification. Contents and items reported herein are corresponding to those of the two previous volumes, 17 and 18.

Registration in electronic format has been employed for cases treated in and after 1996. For this volume 3247 cases from 51 institutions were registered in the electronic format.

It is our hope that this report will be used extensively for daily clinical activities and studies on colorectal cancer. The registry committee of JSCCR will certainly appreciate comments from readers.

This work was supported in part by a Grant-in-Aid for Cancer Research from the Ministry of Health, Labour and Welfare of Japan.

Utsunomiya, Tochigi, Japan
July 2001

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DEFINITIONS OF ABBREVIATIONS AND SYMBOLS

Surg	surgery or surgical
GI	gastrointestinal
OC	oncology
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 "Rs, Ra, 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	83	47	130
Aichi Prefectural Hospital	Surg	65	32	97
Aomori City Hospital	Surg	65	45	110
Asahikawa Kosei Hospital	GI	24	14	38
Cancer Institute Hospital	Surg	56	45	101
Chiba Cancer Center	GI Surg	54	35	89
Coloproctology Center, Social Insurance Central Hospital	Surg	107	55	162
Dokkyo University School of Medicine	Surg I	22	14	36
Dokkyo University School of Medicine	Surg II	29	18	47
Faculty of Medicine, Mie University	Surg I	7	2	9
Faculty of Medicine, Mie University	Surg II	34	14	48
Faculty of Medicine, University of Tokyo	Surg OC	47	14	61
Fujita Health University School of Medicine	Surg (Miura)	21	17	38
Fukui Medical School	Surg I	11	8	19
Fukui Prefectural Hospital	Surg	53	59	112
Fukuoka University, Chikushi Hospital	Surg	47	30	77
Fukushima Medical University	Surg I	19	9	28
Fukushima Medical University	Surg II	10	7	17
Gifu University School of Medicine	Surg I	9	4	13
Gihoku General Hospital	Surg	15	12	27
Gunma Cancer Center	Surg	39	36	75
Gunma University School of Medicine	Surg I	44	23	67
Gunma University School of Medicine	Surg II	12	6	18
Hamamatsu Medical Center	Surg	39	32	71
Hamamatsu University School of Medicine	Surg II	18	18	36
Hirosaki University, School of Medicine	Surg II	24	12	36
Hirosaki University, School of Medicine	IM I	10	12	22
Hiroshima University School of Medicine	Surg II	35	26	61
Hyogo Medical Center for Adults	GI	8	12	20
Hyogo Prefectural Kakogawa Hospital		26	14	40
Ibaraki Prefectural Central Hospital	Surg	46	22	68
International Medical Center of Japan	Surg	73	30	103
Iwakuni National Hospital	Surg	25	10	35

Table 1-2
Number of registered patients, by institute

Institute	Department	Males	Females	Total
Iwate Medical University, School of Medicine	Surg I	28	16	44
Iwate Medical University, School of Medicine	IM	4	2	6
Izushi Municipal Hospital	Surg	4	5	9
Jichi Medical School, School of Medicine	GI Gen Surg	64	39	103
Kagawa Medical University	Surg I	25	12	37
Kanagawa Cancer Center	Surg IV	78	56	134
Kanto Rosai Hospital	Surg	23	19	42
Kariya General Hospital	Surg	54	23	77
Kasukabe City Hospital	Surg	20	23	43
Kawasaki City Ida Hospital	Surg	26	17	43
Kawasaki Medical School	GI Surg	47	38	85
Kinki University School of Medicine	Surg I	29	25	54
Kobe National Hospital	Surg	27	19	46
Kobe University School of Medicine	Surg I	12	7	19
Kumamoto Municipal Hospital	Surg	40	41	81
Kumamoto University School of Medicine	Surg II	8	10	18
Kurume University, School of Medicine	Surg I	53	30	83
Kurume University, Medical Center	Surg	46	36	82
Kyoto University, Graduate School of Medicine, Faculty of Medicine	Surg I	44	24	68
Matsuda Hospital		70	44	114
Matsushita Memorial Hospital	Surg	46	17	63
Medical School, Nagoya City University	Surg I	50	32	82
Mito Kyodo General Hospital	Surg	33	14	47
Miyagi Cancer Center	Surg	25	27	52
Nagasaki University, School of Medicine	Surg I	46	26	72
Nagoya University, School of Medicine	Surg II	29	21	50
National Cancer Center Hospital	Surg	207	108	315
National Cancer Center Hospital East	Surg	37	19	56
National Defense Medical College	Surg I	63	53	116
National Kyushu Medical Center Hospital	Surg	66	27	93
National Sapporo Hospital Hokkaido Cancer Center	Surg	27	12	39

Table 1-3
Number of registered patients, by institute

Institute	Department	Males	Females	Total
National Tochigi Hospital	Surg	7	13	20
Niigata Cancer Center Hospital	Surg	66	39	105
Niigata University, School of Medicine	Surg I	32	20	52
Nippon Medical School	Surg I	77	51	128
NTT East Kanto Hospital	Surg	42	28	70
Oita Medical University	Surg I	23	12	35
Okayama First Red Cross Hospital	Surg	48	33	81
Okayama University, Medical School	Surg I	22	18	40
Okayama University, Medical School	Surg II	5	5	10
Oomoto Hospital	Surg	55	30	85
Osaka Medical Center for Adults	IM III	69	36	105
Osaka Medical College	GI Gen Surg	39	33	72
Osaka University Faculty of Medicine	Surg II	37	24	61
Red Cross Nagoya First Hospital	Surg	63	40	103
Red Cross Sendai Hospital	Surg	64	43	107
Research Institute for Radiation Biology and Medicine, Hiroshima University	Surg OC	8	7	15
Saga Prefectural Hospital, Koseikan	Surg	47	55	102
Sapporo Social Insurance General Hospital	Surg	24	17	41
Sapporo-Kosei General Hospital	Surg	66	42	108
School of Medicine, Chiba University	Surg II	19	13	32
School of Medicine, Kanazawa University	Surg I	40	29	69
School of Medicine, Kanazawa University	Surg II	15	12	27
School of Medicine, Keio University	Surg	100	51	151
School of Medicine, Keio University, Ise Keio Hospital	Surg	10	8	18
School of Medicine, Kitasato University, East Hospital	GI Surg	33	23	56
School of Medicine, the University of Tokushima	Surg I	16	7	23
School of Medicine, Tokai University	Surg	41	36	77
Sendai National Hospital	Surg	41	44	85
Shikoku Cancer Center Hospital	Surg	53	32	85
Shimane Medical University	Surg II	24	18	42
Showa University, Toyosu Hospital	Surg	25	19	44

Table 1-4
Number of registered patients, by institute

Institute	Department	Males	Females	Total
Social Insurance Ritsurin Hospital	Surg	20	10	30
St.Marianna University School of Medicine	Surg I	22	17	39
St.Marianna University School of Medicine	Surg	16	20	36
Tachikawa Hospital	Surg	34	30	64
Teikyo University School of Medicine	Surg I	30	18	48
Teikyo University School of Medicine	Surg II	31	18	49
Terada Hospital	Surg	14	10	24
Tochigi Cancer Center		63	45	108
Toho University School of Medicine	Surg I	45	10	55
Toho University School of Medicine	GE	6	2	8
Tohoku University, School of Medicine	Surg I	24	18	42
Tokyo Kyosai Hospital		97	61	158
Tokyo Medical and Dental University, School of Medicine	Surg II	31	20	51
Tokyo Metropolitan Hiroo Hospital	Surg	33	23	56
Tokyo Metropolitan Komagome Hospital	Surg	95	65	160
Tokyo Women's Medical University, School of Medicine, Institute of GE	Surg	84	58	142
Tokyo Women's Medical University, School of Medicine, Second Hospital	Surg	43	31	74
Tottori Prefectural Central Hospital	Surg	26	15	41
Tottori University, Faculty of Medicine	Surg I	32	20	52
Toyama Medical and Pharmaceutical University, Faculty of Medicine	Surg II	23	15	38
Toyama Prefectural Central Hospital	Surg	86	44	130
Wakayama Medical College	Surg II	31	17	48
Yaizu Municipal General Hospital	Surg	24	23	47
Yamagata Prefectural Central Hospital	Surg	84	52	136
Yamagata University, School of Medicine	Surg I	22	18	40
Yokohama City University, School of Medicine	Surg II	5	6	11
Yokohama Hospital, GI Center		13	12	25
Total		4,753	3,092	7,845

Table 2-1

Histological type, site and sex

Hisotology	Site	Males	Females	Total
Adenocarcinoma	Colon	2,702	1,951	4,653
	Rectum	1,876	1,036	2,912
	Unknown	4	1	5
	Total	4,582	2,988	7,570
Other malignancies	Colon	28	17	45
	Rectum	47	30	77
	Unknown	0	0	0
	Total	75	47	122
Unknown	Colon	44	34	78
	Rectum	40	16	56
	Unknown	12	7	19
	Total	96	57	153
Grand total		4,753	3,092	7,845

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

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

Twenty-four patients with a malignancy of unknown site were exculded from subsequent analysis.

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

Histology	Site	Surgery		Total
		Yes	No	
Adenocarcinoma	Colon	4,642	(600)	4,653
	Rectum	2,892	(209)	2,912
	Total	7,534	(809)	7,565
Other malignancies	Colon	45	(4)	45
	Rectum	77	(13)	77
	Total	122	(17)	122
Unknown	Colon	78	(8)	78
	Rectum	56	(3)	56
	Total	134	(11)	134
Grandtotal		7,790	(837)	7,821

The figures in parentheses represent the number of patients treated by endoscopic excision, and those are included in the number in the left column. A total of 134 patients with a malignancy of unknown histology was 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	4,042	2,683	6,725	41	64	105
Endoscopic excision	600	209	809	4	13	17
Radiation (RT)	0	1	1	0	0	0
Chemotherapy (CT)	8	4	12	0	0	0
RT and CT	0	1	1	0	0	0
OTH	0	1	1	0	0	0
No treatment	3	13	16	0	0	0
Total	4,653	2,912	7,565	45	77	122
			122 7687			

* Modalities regarded as the most effective and beneficial treatment for cancer. A total of 242 patients who had surgery after endoscopic treatment were classified in the "Endoscopic excision" group in this report.

Adenocarcinoma

A total of 7,565 patients with adenocarcinoma was classified into five groups.

- I) All----- 7,565 cases
- II) Surgery----- 6,725 cases
- III) Surgical resection----- 6,653 cases
- IV) Endoscopic excision----- 809 cases
- V) Surgery after endoscopic excision----- 242 cases

A total of 242 patients who had surgery after endoscopic treatment were classified into "Endoscopic excision group" in this report, although they should be classified into "Surgery" group*. Their information about surgery was described independently in detail (pp.77-83).

* Japanese Society for 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	1	0	0	2	1	0	1	0	5
V	0	0	1	1	0	3	2	0	0	7
C	0	1	7	19	36	72	55	27	0	217
A	1	2	9	30	108	173	181	47	2	553
T	1	2	6	26	79	138	111	31	1	395
D	0	2	5	24	53	84	52	17	2	239
S	0	0	15	95	281	505	313	73	4	1,286
Rs	0	2	8	44	129	188	127	39	1	538
Ra	2	1	10	50	150	223	117	26	3	582
Rb	0	2	11	97	180	245	147	35	1	718
P	0	0	2	6	6	16	5	3	0	38
Colon	2	8	43	195	559	976	714	196	9	2,702
Rectum	2	5	31	197	465	672	396	103	5	1,876
Total	4	13	74	392	1,024	1,648	1,110	299	14	4,578

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	0	5	2	1	0	9
C	0	0	4	15	40	73	85	31	1	249
A	0	1	4	23	93	145	185	77	3	531
T	0	2	0	17	45	73	80	34	1	252
D	0	0	2	13	31	40	28	11	1	126
S	0	4	7	88	198	246	187	52	2	784
Rs	0	0	5	35	75	109	66	22	1	313
Ra	0	0	6	34	75	94	65	24	0	298
Rb	0	3	6	45	81	133	95	41	2	406
P	0	0	0	2	5	7	4	1	0	19
Colon	0	7	17	157	407	582	567	206	8	1,951
Rectum	0	3	17	116	236	343	230	88	3	1,036
Total	0	10	34	273	643	925	797	294	11	2,987

Table 5-1
Family history of CRC, by site

Site	Family history of CRC			Total
	No	Yes	X	
I	5	0	0	5
V	13	0	3	16
C	361	56	49	466
A	890	81	113	1,084
T	512	55	80	647
D	278	36	51	365
S	1,646	179	245	2,070
Rs	686	61	104	851
Ra	719	72	89	880
Rb	933	79	112	1,124
P	52	1	4	57
Colon	3,705	407	541	4,653
Rectum	2,390	213	309	2,912
Total	6,095	620	850	7,565

Table 5-2
Family history of CRC, by age

Age	Family history of CRC			Total
	No	Yes	X	
<20	4	0	0	4
20-29	14	5	4	23
30-39	79	16	13	108
40-49	556	57	52	665
50-59	1,316	154	197	1,667
60-69	2,076	223	274	2,573
70-79	1,544	129	234	1,907
80-89	487	36	70	593
90-99	19	0	6	25
Total	6,095	620	850	7,565

Table 5-3Family history of CRC, by number of family members with CRC

Site	Number of family members with CRC					Total
	1	2	3	>=4	X	
I	0	0	0	0	0	0
V	0	0	0	0	0	0
C	49	3	0	4	0	56
A	60	10	1	10	0	81
T	43	6	3	2	1	55
D	30	1	2	2	1	36
S	148	16	5	8	2	179
Rs	50	7	0	4	0	61
Ra	59	7	0	4	2	72
Rb	65	9	2	2	1	79
P	1	0	0	0	0	1
Colon	330	36	11	26	4	407
Rectum	175	23	2	10	3	213
Total	505	59	13	36	7	620

Table 5-4Family history of CRC, by family member with CRC (multi-answers)

Site	Family member with CRC						Total
	F	M	S	C	G	UA	
I	0	0	0	0	0	0	0
V	0	0	0	0	0	0	0
C	19	9	24	2	2	4	60
A	23	19	36	2	1	4	85
T	13	15	27	5	2	1	63
D	9	5	17	2	2	2	37
S	53	40	84	3	2	12	194
Rs	17	9	31	1	2	8	68
Ra	17	16	34	4	3	3	77
Rb	22	25	34	4	2	6	93
P	0	0	1	0	0	0	1
Colon	117	88	188	14	9	23	439
Rectum	56	50	100	9	7	17	239
Total	173	138	288	23	16	40	678

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	5	0	0	5
V	9	4	3	16
C	282	141	43	466
A	673	303	108	1,084
T	389	185	73	647
D	224	87	54	365
S	1,293	549	228	2,070
Rs	531	221	99	851
Ra	571	226	83	880
Rb	739	292	93	1,124
P	35	17	5	57
Colon	2,875	1,269	509	4,653
Rectum	1,876	756	280	2,912
Total	4,751	2,025	789	7,565

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

Age	Family member with other cancers			Total
	No	Yes	X	
<20	2	2	0	4
20-29	17	4	2	23
30-39	72	26	10	108
40-49	432	180	53	665
50-59	1,019	474	174	1,667
60-69	1,591	721	261	2,573
70-79	1,205	480	222	1,907
80-89	397	135	61	593
90-99	16	3	6	25
Total	4,751	2,025	789	7,565

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	3	1	0	0	0	4
C	102	25	6	0	8	141
A	206	59	18	4	16	303
T	112	48	17	3	5	185
D	63	20	2	2	0	87
S	377	121	26	8	17	549
Rs	164	38	7	5	7	221
Ra	174	35	9	2	6	226
Rb	208	60	15	3	6	292
P	14	2	1	0	0	17
Colon	863	274	69	17	46	1,269
Rectum	560	135	32	10	19	756
Total	1,423	409	101	27	65	2,025

Table 6-4

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	
I	0	0	0	0	0	0	0
V	2	3	0	0	0	0	5
C	49	47	57	6	3	8	170
A	104	75	153	14	11	17	374
T	81	52	86	10	10	12	251
D	37	26	32	3	5	4	107
S	223	167	214	15	18	37	674
Rs	79	56	93	11	11	14	264
Ra	83	68	85	6	7	15	264
Rb	119	88	114	5	14	18	358
P	5	4	8	0	1	1	19
Colon	496	370	542	48	47	78	1,581
Rectum	286	216	300	22	33	48	905
Total	782	586	842	70	80	126	2,486

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	
None	5	14	380	862	499	278	1,640	697	741	917	46	6,079
Adenoma	0	2	19	47	35	20	82	12	24	30	1	272
Adenomatosis	0	0	1	2	3	0	1	2	1	2	0	12
Ulcertain colitis	0	0	0	2	0	2	4	1	1	5	0	15
Crohn's disease	0	0	0	0	0	0	1	0	0	1	0	2
Radiation colitis	0	0	0	0	0	0	2	1	0	2	0	5
Anal fistula	0	0	3	8	5	3	12	10	6	12	7	66
OTH	0	0	38	92	60	27	163	61	50	92	2	585
X	0	0	29	75	48	35	168	69	58	70	2	554
Total	5	16	470	1,088	650	365	2,073	853	881	1,131	58	7,590

Table 7-2
Past history of colorectal disease, by age (multi-answers)

Past history	Age									Total
	<20	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	
None	4	19	91	562	1,314	2,017	1,551	498	23	6,079
Adenoma	0	0	2	22	57	108	63	19	1	272
Adenomatosis	0	1	3	2	3	0	3	0	0	12
Ulcertive colitis	0	0	0	5	2	3	5	0	0	15
Crohn's disease	0	0	0	0	0	1	1	0	0	2
Radiation colitis	0	0	0	0	0	1	3	1	0	5
Anal fistula	0	0	0	6	13	33	11	3	0	66
OTH	0	1	5	40	131	224	150	33	1	585
X	0	2	8	30	150	196	127	41	0	554
Total	4	23	109	667	1,670	2,583	1,914	595	25	7,590

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

Site	Serum CEA			Total
	Examined	Not examined	X	
I	3	1	1	5
V	13	2	1	16
C	405	35	26	466
A	971	80	33	1,084
T	563	64	20	647
D	291	57	17	365
S	1,730	258	82	2,070
Rs	751	72	28	851
Ra	784	63	33	880
Rb	1,024	60	40	1,124
P	55	1	1	57
Colon	3,976	497	180	4,653
Rectum	2,614	196	102	2,912
Total	6,590	693	282	7,565

Table 8-2Serum CEA value, preoperative

Site	Serum CEA value					Total
	Normal	<2	<4	<8	>=8	
I	3	0	0	0	0	3
V	9	0	2	2	0	13
C	249	45	36	25	50	405
A	598	143	88	51	91	971
T	371	79	42	31	40	563
D	202	30	26	11	22	291
S	1,113	228	148	78	163	1,730
Rs	438	120	70	52	71	751
Ra	472	124	75	41	72	784
Rb	642	153	100	50	79	1,024
P	37	5	5	3	5	55
Colon	2,545	525	342	198	366	3,976
Rectum	1,589	402	250	146	227	2,614
Total	4,134	927	592	344	593	6,590

Table 9-1Multiple primary cancers, by sex

Multiple primary cancers	Males	Females	Total
No	3,964	2,646	6,610
Synchronous	221	77	298
Metachronous	274	192	466
X	119	72	191
Total	4,578	2,987	7,565

Table 9-2
Synchronous multiple primary cancers

Organ	Synchronous cancer		Total
	Males	Females	
Esophagus	12	2	14
Stomach	98	27	125
Small intestine	1	0	1
Colon	8	3	11
Large intestine, NOS	1	0	1
Liver	25	7	32
Biliary tree	4	5	9
Pancreas	5	3	8
Lung	15	3	18
Breast	0	4	4
Uterine cervix	0	2	2
Uterine corpus	0	2	2
Uterus, NOS	0	1	1
Ovary	0	2	2
Kidney	9	2	11
Bladder	4	1	5
Prostate	6	0	6
Hematopoietic system	4	1	5
Brain	1	0	1
Thyroid	0	1	1
Pharynx and larynx	2	0	2
Skin	1	0	1
OTH	2	0	2
Multiple sites	6	4	10
X	17	7	24
Total	221	77	298

Table 9-3
Metachronous multiple primary cancers

Organ	Synchronous cancer		Total
	Males	Females	
Esophagus	7	1	8
Stomach	126	34	160
Small intestine	2	5	7
Colon	3	2	5
Rectum	5	1	6
Liver	10	6	16
Biliary tree	0	1	1
Lung	22	8	30
Breast	0	49	49
Uterine cervix	0	13	13
Uterine corpus	0	7	7
Uterus, NOS	0	18	18
Ovary	0	7	7
Kidney	4	2	6
Bladder	16	1	17
Prostate	14	0	14
Hematopoietic system	3	1	4
Bone and soft tissue	3	1	4
Brain	1	0	1
Thyroid	3	9	12
Oral cavity	5	2	7
Pharynx and larynx	10	0	10
Skin	6	2	8
OTH	9	5	14
Multiple sites	23	14	37
X	2	3	5
Total	274	192	466

Table 10-1Metachronous multiple CRC, by sex

Sex	Metachronous CRC				Total
	No	Early cancer	Advanced cancer	X	
Males	4,246	56	106	170	4,578
Females	2,831	21	49	86	2,987
Total	7,077	77	155	256	7,565

Table 10-2Metachronous multiple CRC, by age

Age	Metachronous CRC		Total
	Early cancer	Advanced cancer	
30-39	0	2	2
40-49	4	11	15
50-59	14	18	32
60-69	25	51	76
70-79	27	51	78
80-89	7	22	29
Total	77	155	232

Table 10-3Metachronous multiple CRC, by site

Site	Metachronous CRC		Total
	Early cancer	Advanced cancer	
V	0	0	0
C	9	16	25
A	13	33	46
T	12	34	46
D	6	19	25
S	20	27	47
Rs	3	4	7
Ra	8	7	15
Rb	5	14	19
P	1	1	2
Colon	60	129	189
Rectum	17	26	43
Total	77	155	232

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

Number of cancers	Metachronous CRC		Total
	Early cancer	Advanced cancer	
1	46	140	186
2	7	10	17
3	1	1	2
4	2	1	3
X	21	3	24
Total	77	155	232

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

Site	Metachronous CRC		Total
	Early cancer	Advanced cancer	
Colon	37	82	119
Rectum	19	59	78
X	21	14	35
Total	77	155	232

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

Site	Number of cancers								Total
	1	2	3	4	5	6	7	>=8	
I	5	0	0	0	0	0	0	0	5
V	13	0	0	0	0	0	0	0	13
C	407	30	3	1	0	0	0	0	441
A	910	60	11	3	0	1	1	0	986
T	517	38	11	0	3	1	0	0	570
D	277	20	2	4	1	0	0	1	305
S	1,599	102	21	0	0	0	0	0	1,722
Rs	717	31	3	2	1	0	0	1	755
Ra	776	28	3	1	0	1	0	0	809
Rb	1,027	31	4	1	0	0	0	0	1,063
P	54	2	0	0	0	0	0	0	56
Colon	3,728	250	48	8	4	2	1	1	4,042
Rectum	2,574	92	10	4	1	1	0	1	2,683
Total	6,302	342	58	12	5	3	1	2	6,725

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

Age	Number of cancers								Total
	1	2	3	4	5	6	7	>=8	
<20	4	0	0	0	0	0	0	0	4
20-29	22	0	0	0	0	0	0	0	22
30-39	95	6	0	0	1	0	0	0	102
40-49	545	14	5	1	0	0	0	2	567
50-59	1,392	60	11	3	1	1	0	0	1,468
60-69	2,135	116	19	2	1	2	0	0	2,275
70-79	1,577	115	20	6	1	0	1	0	1,720
80-89	510	30	3	0	1	0	0	0	544
90-99	22	1	0	0	0	0	0	0	23
Total	6,302	342	58	12	5	3	1	2	6,725

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

Age	Number of cancers								Total
	1	2	3	4	5	6	7	>=8	
<20	4	0	0	0	0	0	0	0	4
20-29	13	0	0	0	0	0	0	0	13
30-39	67	2	0	0	1	0	0	0	70
40-49	312	8	3	1	0	0	0	2	326
50-59	852	38	9	1	1	1	0	0	902
60-69	1,334	84	16	1	1	2	0	0	1,438
70-79	897	82	16	6	0	0	1	0	1,002
80-89	256	15	1	0	1	0	0	0	273
90-99	11	1	0	0	0	0	0	0	12
Total	3,746	230	45	9	4	3	1	2	4,040

Table 11-4Number of synchronous multiple CRC, females, 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	9	0	0	0	0	0	0	0	9
30-39	28	4	0	0	0	0	0	0	32
40-49	233	6	2	0	0	0	0	0	241
50-59	540	22	2	2	0	0	0	0	566
60-69	801	32	3	1	0	0	0	0	837
70-79	680	33	4	0	1	0	0	0	718
80-89	254	15	2	0	0	0	0	0	271
90-99	11	0	0	0	0	0	0	0	11
Total	2,556	112	13	3	1	0	0	0	2,685

Table 12-1
Macroscopic type of tumor, by site

Site	Macroscopic type						X	Total
	Type 0	Type 1	Type 2	Type 3	Type 4	Type 5		
I	0	0	3	1	0	0	1	5
V	2	2	3	1	0	3	2	13
C	72	60	237	44	8	7	13	441
A	130	88	601	122	2	13	30	986
T	103	44	338	58	1	6	20	570
D	48	21	196	27	2	3	8	305
S	234	185	1,119	110	13	18	43	1,722
Rs	74	76	481	77	8	14	25	755
Ra	100	89	516	64	6	7	27	809
Rb	198	92	624	83	6	15	45	1,063
P	9	5	18	11	1	9	3	56
Colon	589	400	2,497	363	26	50	117	4,042
Rectum	381	262	1,639	235	21	45	100	2,683
Total	970	662	4,136	598	47	95	217	6,725

- 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	X	
I	0	0	0	0	0	0	0	0	0	0	0
V	0	1	0	0	0	0	0	0	0	1	2
C	4	16	17	20	3	1	0	2	8	1	72
A	12	20	23	24	28	0	8	4	7	4	130
T	5	7	19	29	21	2	8	5	4	3	103
D	5	10	10	10	7	1	4	0	1	0	48
S	57	55	42	30	30	0	7	3	6	4	234
Rs	9	15	19	13	11	1	0	1	4	1	74
Ra	5	18	26	31	12	0	2	1	5	0	100
Rb	18	35	53	52	23	2	4	0	9	2	198
P	1	3	0	4	0	0	0	0	1	0	9
Colon	83	109	111	113	89	4	27	14	26	13	589
Rectum	33	71	98	100	46	3	6	2	19	3	381
Total	116	180	209	213	135	7	33	16	45	16	970

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						Total
	Dorsal or post.	Ventral or ant.	Medial or right	Lateral or left	Circular	X	
I	1	1	0	0	3	0	5
V	0	1	1	0	7	4	13
C	82	111	23	25	143	57	441
A	217	183	55	57	361	113	986
T	132	95	25	17	220	81	570
D	57	51	12	17	128	40	305
S	434	332	84	78	532	262	1,722
Rs	141	163	58	43	256	94	755
Ra	177	213	50	65	213	91	809
Rb	223	251	136	152	189	112	1,063
P	13	7	6	6	15	9	56
Colon	923	774	200	194	1,394	557	4,042
Rectum	554	634	250	266	673	306	2,683
Total	1,477	1,408	450	460	2,067	863	6,725

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 wall

Site	Circumferential occupancy of the bowel wall						Total
	<1/3	<1/2	<2/3	Semi-circular	Circular	X	
I	0	0	0	3	2	0	5
V	1	0	1	0	8	3	13
C	97	64	53	67	138	22	441
A	203	123	102	171	337	50	986
T	133	65	49	75	225	23	570
D	61	32	31	46	127	8	305
S	372	276	203	276	515	80	1,722
Rs	139	119	93	151	226	27	755
Ra	187	142	109	132	202	37	809
Rb	329	162	164	183	169	56	1,063
P	15	10	4	5	15	7	56
Colon	867	560	439	638	1,352	186	4,042
Rectum	670	433	370	471	612	127	2,683
Total	1,537	993	809	1,109	1,964	313	6,725

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	3	0	0	0	1	1	5
V	1	2	5	2	1	0	2	13
C	32	116	149	68	16	15	45	441
A	96	256	257	146	65	56	110	986
T	88	178	138	74	16	17	59	570
D	40	90	87	42	6	10	30	305
S	216	578	490	160	45	46	187	1,722
Rs	55	207	235	99	27	29	103	755
Ra	71	222	238	116	34	22	106	809
Rb	121	309	284	146	51	26	126	1,063
P	6	13	14	6	1	2	14	56
Colon	473	1,223	1,126	492	149	145	434	4,042
Rectum	253	751	771	367	113	79	349	2,683
Total	726	1,974	1,897	859	262	224	783	6,725

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	147	186	56	19	1	9	51	469
sm	315	193	34	8	4	6	93	653
mp	160	409	120	25	7	11	107	839
ss/a1	74	755	904	385	115	80	236	2,549
se/a2	23	392	648	316	88	67	191	1,725
si/ai	4	29	122	97	41	46	36	375
X	3	10	13	9	6	5	69	115
Total	726	1,974	1,897	859	262	224	783	6,725

Table 15-1
Metastasis, peritoneum

Site	Peritoneal metastasis					Total
	P0	P1	P2	P3	PX	
I	4	0	0	1	0	5
V	11	0	2	0	0	13
C	392	13	16	20	0	441
A	905	24	22	35	0	986
T	533	12	9	12	4	570
D	289	4	2	8	2	305
S	1,632	29	21	27	13	1,722
Rs	716	15	5	11	8	755
Ra	764	23	6	6	10	809
Rb	996	11	3	3	50	1,063
P	51	1	1	0	3	56
Colon	3,766	82	72	103	19	4,042
Rectum	2,527	50	15	20	71	2,683
Total	6,293	132	87	123	90	6,725

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	4	1	0	0	0	5
V	13	0	0	0	0	13
C	389	11	12	27	2	441
A	884	27	13	62	0	986
T	515	16	17	18	4	570
D	273	3	6	18	5	305
S	1,497	72	32	107	14	1,722
Rs	656	29	15	50	5	755
Ra	713	28	17	46	5	809
Rb	978	18	9	32	26	1,063
P	53	0	1	1	1	56
Colon	3,575	130	80	232	25	4,042
Rectum	2,400	75	42	129	37	2,683
Total	5,975	205	122	361	62	6,725

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, lungPulmonary metastasis

Site	LM0	LM1	LM2	LM3	LMX	Total
I	4	0	0	0	1	5
V	13	0	0	0	0	13
C	417	7	3	3	11	441
A	936	11	2	7	30	986
T	547	2	0	5	16	570
D	293	2	1	2	7	305
S	1,641	13	4	15	49	1,722
Rs	723	6	1	3	22	755
Ra	765	11	7	1	25	809
Rb	1,012	9	6	6	30	1,063
P	53	1	0	0	2	56
Colon	3,851	35	10	32	114	4,042
Rectum	2,553	27	14	10	79	2,683
Total	6,404	62	24	42	193	6,725

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

Site	Distant metastasis									Total
	M(-)	Bone	Brain	Adrenal	Skin	Virchow	OTH	Multi organs	X	
I	4	0	0	0	0	0	0	0	1	5
V	11	0	0	0	0	0	1	0	1	13
C	423	1	0	0	0	1	1	1	14	441
A	954	3	0	0	1	0	4	1	23	986
T	546	3	0	1	0	3	0	0	17	570
D	297	0	0	1	0	1	1	0	5	305
S	1,661	10	2	1	1	2	10	0	35	1,722
Rs	730	3	0	0	0	0	2	0	20	755
Ra	785	4	0	0	0	0	4	1	15	809
Rb	1,019	6	1	0	0	0	4	0	33	1,063
P	54	0	0	0	0	0	0	0	2	56
Colon	3,896	17	2	3	2	7	17	2	96	4,042
Rectum	2,588	13	1	0	0	0	10	1	70	2,683
Total	6,484	30	3	3	2	7	27	3	166	6,725

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	2	1	0	0	0	5
V	6	0	0	6	0	1	13
C	225	171	21	20	3	1	441
A	485	382	53	58	4	4	986
T	280	228	29	31	0	2	570
D	135	147	10	12	1	0	305
S	849	786	42	36	2	7	1,722
Rs	327	384	18	18	2	6	755
Ra	413	351	20	18	2	5	809
Rb	494	514	20	30	2	3	1,063
P	22	19	3	11	1	0	56
Colon	1,982	1,716	156	163	10	15	4,042
Rectum	1,256	1,268	61	77	7	14	2,683
Total	3,238	2,984	217	240	17	29	6,725

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 17-1Depth of tumor invasion (DI), macroscopic, by site

Site	DI							Total
	M	SM	MP	SS/A1	SE/A2	Si/Ai	X	
I	0	0	0	2	1	2	0	5
V	1	2	0	3	1	5	1	13
C	41	38	37	91	150	77	7	441
A	44	92	71	259	392	111	17	986
T	49	57	42	138	210	64	10	570
D	15	35	15	76	127	32	5	305
S	62	173	198	477	594	186	32	1,722
Rs	18	61	78	199	305	84	10	755
Ra	38	69	125	227	264	70	16	809
Rb	83	129	192	245	297	97	20	1,063
P	4	5	9	8	14	13	3	56
Colon	212	397	363	1,046	1,475	477	72	4,042
Rectum	143	264	404	679	880	264	49	2,683
Total	355	661	767	1,725	2,355	741	121	6,725

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	0	0	0	2	2	0	1	5
V	2	1	0	4	0	4	2	13
C	52	38	46	139	132	29	5	441
A	60	81	71	423	272	60	19	986
T	61	53	40	224	155	29	8	570
D	25	27	26	111	94	19	3	305
S	80	181	204	754	383	96	24	1,722
Rs	31	63	90	311	214	34	12	755
Ra	52	62	136	301	201	40	17	809
Rb	98	144	212	274	258	57	20	1,063
P	8	3	14	6	14	7	4	56
Colon	280	381	387	1,657	1,038	237	62	4,042
Rectum	189	272	452	892	687	138	53	2,683
Total	469	653	839	2,549	1,725	375	115	6,725

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	X	
I	0	0	0	0	0	0
V	2	0	1	0	1	4
C	24	1	0	0	4	29
A	44	10	2	0	4	60
T	19	5	3	0	2	29
D	9	2	0	1	7	19
S	69	12	2	1	12	96
Rs	23	8	0	0	3	34
Ra	32	7	0	0	1	40
Rb	44	6	2	0	5	57
P	6	0	0	0	1	7
Colon	167	30	8	2	30	237
Rectum	105	21	2	0	10	138
Total	272	51	10	2	40	375

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

Site	Lymph node metastasis						Total
	N0	N1	N2	N3	N4	NX	
I	2	1	1	0	1	0	5
V	5	3	2	2	0	1	13
C	168	130	94	24	13	12	441
A	376	287	207	59	41	16	986
T	272	155	63	33	26	21	570
D	140	112	30	6	9	8	305
S	800	544	235	35	62	46	1,722
Rs	324	275	86	26	19	25	755
Ra	367	296	83	21	17	25	809
Rb	511	286	122	45	21	78	1,063
P	24	6	11	6	4	5	56
Colon	1,763	1,232	632	159	152	104	4,042
Rectum	1,226	863	302	98	61	133	2,683
Total	2,989	2,095	934	257	213	237	6,725

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 19-2Lymph node metastasis, histological, by site

Site	Lymph node metastasis						Total
	n0	n1	n2	n3	n4	nX	
I	3	1	0	0	0	1	5
V	6	1	4	1	0	1	13
C	236	96	59	24	9	17	441
A	556	219	123	27	25	36	986
T	362	95	40	30	16	27	570
D	181	79	24	4	5	12	305
S	1,042	386	165	36	32	61	1,722
Rs	428	197	71	13	15	31	755
Ra	438	212	82	16	9	52	809
Rb	550	205	122	37	19	130	1,063
P	29	2	11	5	3	6	56
Colon	2,386	877	415	122	87	155	4,042
Rectum	1,445	616	286	71	46	219	2,683
Total	3,831	1,493	701	193	133	374	6,725

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	378	2	0	0	0	89	469
sm	545	46	13	1	0	48	653
mp	645	129	37	3	1	24	839
ss/a1	1,454	660	287	68	34	46	2,549
se/a2	629	536	309	99	80	72	1,725
si/ai	157	108	50	21	18	21	375
X	23	12	5	1	0	74	115
Total	3,831	1,493	701	193	133	374	6,725

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

DI	Lymph node metastasis						Total
	n0	n1	n2	n3	n4	nX	
m	264	2	0	0	0	14	280
sm	340	27	8	0	0	6	381
mp	315	53	13	0	0	6	387
ss/a1	959	409	185	49	22	33	1,657
se/a2	392	305	175	62	53	51	1,038
si/ai	100	71	30	10	12	14	237
X	16	10	4	1	0	31	62
Total	2,386	877	415	122	87	155	4,042

Table 19-5Lymph node metastasis, histological, rectum, by DI

DI	Lymph node metastasis						Total
	n0	n1	n2	n3	n4	nX	
m	114	0	0	0	0	75	189
sm	205	19	5	1	0	42	272
mp	330	76	24	3	1	18	452
ss/a1	495	251	102	19	12	13	892
se/a2	237	231	134	37	27	21	687
si/ai	57	37	20	11	6	7	138
X	7	2	1	0	0	43	53
Total	1,445	616	286	71	46	219	2,683

Table 20-1
Lymphatic invasion, by site

Site	Lymphatic invasion						Total
	ly0	ly1	ly2	ly3	ly(+)	X	
I	1	2	0	1	0	1	5
V	6	2	2	1	0	2	13
C	147	154	96	32	5	7	441
A	314	372	186	74	10	30	986
T	202	205	110	33	3	17	570
D	108	117	46	25	4	5	305
S	564	664	330	107	27	30	1,722
Rs	225	301	134	65	8	22	755
Ra	260	320	143	51	8	27	809
Rb	373	380	193	61	16	40	1,063
P	14	21	11	4	1	5	56
Colon	1,342	1,516	770	273	49	92	4,042
Rectum	872	1,022	481	181	33	94	2,683
Total	2,214	2,538	1,251	454	82	186	6,725

Table 20-2
Lymphatic invasion, colon, by DI

DI	Lymphatic invasion						Total
	ly0	ly1	ly2	ly3	ly(+)	X	
m	270	3	1	0	0	6	280
sm	255	101	10	1	2	12	381
mp	148	169	53	6	8	3	387
ss/a1	474	737	313	90	22	21	1,657
se/a2	157	400	316	141	14	10	1,038
si/ai	26	95	70	35	3	8	237
X	12	11	7	0	0	32	62
Total	1,342	1,516	770	273	49	92	4,042

Table 20-3Lymphatic invasion, rectum, by DI

DI	Lymphatic invasion						Total
	ly0	ly1	ly2	ly3	ly(+)	X	
m	170	3	0	0	0	16	189
sm	161	76	17	4	3	11	272
mp	179	201	52	11	5	4	452
ss/a1	233	420	160	58	13	8	892
se/a2	99	267	204	96	11	10	687
si/ai	23	54	48	10	1	2	138
X	7	1	0	2	0	43	53
Total	872	1,022	481	181	33	94	2,683

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	1	1	0	1	5
V	8	2	1	0	0	2	13
C	230	129	52	17	3	10	441
A	474	307	123	40	8	34	986
T	276	170	88	18	2	16	570
D	142	104	33	14	3	9	305
S	779	575	230	79	26	33	1,722
Rs	307	239	133	45	7	24	755
Ra	335	276	116	43	11	28	809
Rb	444	347	148	63	13	48	1,063
P	19	19	7	5	1	5	56
Colon	1,910	1,288	528	169	42	105	4,042
Rectum	1,105	881	404	156	32	105	2,683
Total	3,015	2,169	932	325	74	210	6,725

Table 21-2
Venous invasion, colon, by DI

DI	Venous invasion						Total
	v0	v1	v2	v3	v(+)	X	
m	272	1	1	0	0	6	280
sm	313	49	3	1	4	11	381
mp	237	119	16	3	7	5	387
ss/a1	694	647	213	54	21	28	1,657
se/a2	314	385	233	85	6	15	1,038
si/ai	63	75	61	26	4	8	237
X	17	12	1	0	0	32	62
Total	1,910	1,288	528	169	42	105	4,042

Table 21-3
Venous invasion, rectum, by DI

DI	Venous invasion						Total
	v0	v1	v2	v3	v(+)	X	
m	174	0	0	0	0	15	189
sm	194	53	10	1	2	12	272
mp	234	166	32	8	5	7	452
ss/a1	309	365	148	44	13	13	892
se/a2	151	240	180	91	12	13	687
si/ai	37	55	33	11	0	2	138
X	6	2	1	1	0	43	53
Total	1,105	881	404	156	32	105	2,683

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	4	0	1	5
V	13	0	0	13
C	436	0	5	441
A	972	0	14	986
T	562	1	7	570
D	301	0	4	305
S	1,702	3	17	1,722
Rs	744	1	10	755
Ra	792	0	17	809
Rb	1,043	0	20	1,063
P	54	0	2	56
Colon	3,990	4	48	4,042
Rectum	2,633	1	49	2,683
Total	6,623	5	97	6,725

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

Site	Distal cut end (AW)			Total
	AW(-)	AW(+)	X	
I	4	0	1	5
V	13	0	0	13
C	436	0	5	441
A	973	0	13	986
T	560	1	9	570
D	301	0	4	305
S	1,701	2	19	1,722
Rs	741	3	11	755
Ra	786	5	18	809
Rb	1,036	6	21	1,063
P	54	0	2	56
Colon	3,988	3	51	4,042
Rectum	2,617	14	52	2,683
Total	6,605	17	103	6,725

Table 22-3

Tumor invasion of surgical margin, macroscopic, by site

Site	Surgical cut end (EW)			Total
	EW(-)	EW(+)	X	
I	4	0	1	5
V	11	1	1	13
C	420	5	16	441
A	933	11	42	986
T	536	13	21	570
D	294	1	10	305
S	1,639	22	61	1,722
Rs	709	16	30	755
Ra	759	18	32	809
Rb	983	39	41	1,063
P	52	2	2	56
Colon	3,837	53	152	4,042
Rectum	2,503	75	105	2,683
Total	6,340	128	257	6,725

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	0	3	2	5
V	1	5	5	2	13
C	90	167	146	38	441
A	137	320	474	55	986
T	116	189	229	36	570
D	70	121	99	15	305
S	312	744	586	80	1,722
Rs	90	218	406	41	755
Ra	72	171	507	59	809
Rb	135	77	735	116	1,063
P	9	0	38	9	56
Colon	726	1,546	1,542	228	4,042
Rectum	306	466	1,686	225	2,683
Total	1,032	2,012	3,228	453	6,725

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	3	2	5
V	2	3	6	2	13
C	72	130	205	34	441
A	163	285	485	53	986
T	153	216	166	35	570
D	60	128	101	16	305
S	543	764	331	84	1,722
Total	993	1,526	1,297	226	4,042

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	38	60	126	138	133	78	139	43	755
Ra	79	189	202	132	69	28	52	58	809
Rb	226	216	162	110	88	46	93	122	1,063
P	13	9	11	4	3	2	3	11	56
Total	356	474	501	384	293	154	287	234	2,683

Table 22-7Distance 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	X	
<=50	424	205	95	2	726
51-100	327	751	463	5	1,546
>100	240	564	735	3	1,542
X	2	6	4	216	228
Total	993	1,526	1,297	226	4,042

Table 22-8Distance 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	167	33	26	18	19	4	36	3	306
51-100	35	76	97	85	64	34	72	3	466
>100	151	361	374	280	210	116	178	16	1,686
X	3	4	4	1	0	0	1	212	225
Total	356	474	501	384	293	154	287	234	2,683

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 22-9

Tumor invasion of surgical margin, histological, by site

Site	Proximal cut end (OW)			Total
	ow (-)	ow (+)	X	
I	4	0	1	5
V	12	0	1	13
C	427	2	12	441
A	952	2	32	986
T	543	0	27	570
D	293	2	10	305
S	1,650	3	69	1,722
Rs	714	4	37	755
Ra	771	0	38	809
Rb	1,021	1	41	1,063
P	51	0	5	56
Colon	3,881	9	152	4,042
Rectum	2,557	5	121	2,683
Total	6,438	14	273	6,725

Table 22-10

Tumor invasion of surgical margin, histological, by site

Site	Distal cut end (aw)			Total
	aw (-)	aw (+)	X	
I	4	0	1	5
V	12	0	1	13
C	426	2	13	441
A	952	1	33	986
T	543	0	27	570
D	295	0	10	305
S	1,650	2	70	1,722
Rs	709	8	38	755
Ra	763	9	37	809
Rb	1,010	10	43	1,063
P	51	0	5	56
Colon	3,882	5	155	4,042
Rectum	2,533	27	123	2,683
Total	6,415	32	278	6,725

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

Site	Surgical cut end (ew)			Total
	ew(-)	ew(+)	X	
I	4	0	1	5
V	11	1	1	13
C	414	7	20	441
A	910	22	54	986
T	514	14	42	570
D	285	5	15	305
S	1,568	36	118	1,722
Rs	682	30	43	755
Ra	729	32	48	809
Rb	943	64	56	1,063
P	45	3	8	56
Colon	3,706	85	251	4,042
Rectum	2,399	129	155	2,683
Total	6,105	214	406	6,725

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(-)	6,404	29	5	6,438
ow(+)	10	3	1	14
X	1	0	272	273
Total	6,415	32	278	6,725

Table 22-13Tumor invasion of surgical margin, histological

Proximal cut end	Surgical cut end			Total
	ew(-)	ew(+)	X	
ow(-)	6,094	207	137	6,438
ow(+)	8	5	1	14
X	3	2	268	273
Total	6,105	214	406	6,725

Table 22-14Tumor invasion of surgical margin, histological

Distal cut end	Surgical cut end			Total
	ew(-)	ew(+)	X	
aw(-)	6,087	197	131	6,415
aw(+)	11	15	6	32
X	7	2	269	278
Total	6,105	214	406	6,725

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

Site	Histological or cytological examination				Total
	Not examined	Positive histology	Positive cytology	X	
I	3	1	0	1	5
V	7	0	0	6	13
C	316	23	9	93	441
A	694	44	12	236	986
T	406	15	7	142	570
D	212	8	7	78	305
S	1,225	38	29	430	1,722
Rs	532	15	6	202	755
Ra	581	17	13	198	809
Rb	777	11	4	271	1,063
P	37	0	0	19	56
Colon	2,863	129	64	986	4,042
Rectum	1,927	43	23	690	2,683
Total	4,790	172	87	1,676	6,725

Table 23-2Histological examination of peritoneal metastasis

Peritoneal metastasis	Histological or cytological examination				Total
	Not examined	Positive histology	Positive cytology	X	
P0	4,638	26	55	1,574	6,293
P1	45	53	11	23	132
P2	23	37	12	15	87
P3	29	56	9	29	123
PX	55	0	0	35	90
Total	4,790	172	87	1,676	6,725

Table 24

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

Site	Additional and/or adjuvant therapy									Total
	None	Radiation			Chemotherapy			OTH	X	
		pre	intra	post	pre	intra	post			
I	2	0	0	0	0	0	3	0	0	5
V	5	0	0	0	0	0	4	0	4	13
C	250	2	0	2	3	8	144	1	37	447
A	523	2	4	14	10	12	329	2	109	1,005
T	322	0	2	4	5	7	169	1	68	578
D	148	0	1	1	5	4	116	1	34	310
S	835	1	3	18	26	20	642	11	208	1,764
Rs	362	2	1	11	14	16	286	3	82	777
Ra	381	18	5	13	27	10	305	1	85	845
Rb	518	38	6	47	29	9	353	1	129	1,130
P	30	0	0	4	3	0	14	0	8	59
Colon	2,085	5	10	39	49	51	1,407	16	460	4,122
Rectum	1,291	58	12	75	73	35	958	5	304	2,811
Total	3,376	63	22	114	122	86	2,365	21	764	6,933

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	1	0	0	1
V	0	0	0	0	0	0	0	0	0
C	0	0	0	0	1	1	0	0	2
A	1	2	0	0	0	8	0	1	12
T	1	1	0	1	0	2	0	0	5
D	0	0	0	2	0	0	0	1	3
S	2	1	0	3	4	0	0	0	10
Rs	1	1	0	2	7	0	0	0	11
Ra	0	1	0	4	8	0	0	1	14
Rb	1	0	0	1	10	0	0	1	13
P	0	0	0	0	1	0	0	0	1
Colon	4	4	0	6	5	12	0	2	33
Rectum	2	2	0	7	26	0	0	2	39
Total	6	6	0	13	31	12	0	4	72

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 25-2

Operative procedures, laparoscopic surgery

Laparoscopic surgery (LS)

Site	No	Yes			OTH	Total
		LS only	LS assisted			
I	4	0	0		0	4
V	11	0	2		0	13
C	397	5	37		0	439
A	919	3	52		0	974
T	534	4	26		1	565
D	289	1	11		1	302
S	1,615	15	80		2	1,712
Rs	730	3	11		0	744
Ra	781	6	7		1	795
Rb	1,039	6	3		2	1,050
P	55	0	0		0	55
Colon	3,769	28	208		4	4,009
Rectum	2,605	15	21		3	2,644
Total	6,374	43	229		7	6,653

Table 25-3Operative procedures

Polypectomy	trans-abdominal	12
	trans-anal	50
	trans-sacral	16
	trans-sphinteric	3
Tumorectomy	trans-abdominal	7
	trans-anal	93
	trans-sacral	9
	trans-sphinteric	2
Segmental resection	colon	169
	rectum	10
Appendectomy		3
Ileocecal resection		296
Ascending colectomy		95
Right hemicolectomy		1,135
Transverse colectomy		277
Descending colectomy		121
Left hemicolectomy		196
Sigmoidectomy		1,381
Subtotal colectomy		7
Total colectomy		7
Shincter preserving operation	hight anterior resection	528
	low anterior resection	1,401
	posterior resection	6
	invagination method	0
	pull through procedure	3
	abdomionosacral resection	19
Hartmann's operation		175
Amputation of the rectum	abdominoperineal	544
	abdominosacral	17
Total pelvic exenteration		28
Total resection of the colon and rectum		
	with ileostumy	1
	with ileoanal anastomosis	5
OTH		19
X		18
Total		6,653

Table 26-1

Lymph node dissection, paraintestinal, by site

Site	Lymph node dissection, paraintestinal nodes				Total
	D0	D1	D2	X	
I	0	2	2	0	4
V	2	5	6	0	13
C	29	113	286	11	439
A	34	172	746	22	974
T	30	162	368	5	565
D	19	75	202	6	302
S	73	492	1,105	42	1,712
Rs	31	200	499	14	744
Ra	38	220	512	25	795
Rb	150	242	615	43	1,050
P	7	11	36	1	55
Colon	187	1,021	2,715	86	4,009
Rectum	226	673	1,662	83	2,644
Total	413	1,694	4,377	169	6,653

Table 26-2

Lymph node dissection, mesenteric, by site

Site	Lymph node dissection, mesenteric nodes				Total
	D0	D2	D3	X	
I	0	2	2	0	4
V	2	2	8	1	13
C	72	129	227	11	439
A	80	324	553	17	974
T	88	213	256	8	565
D	35	132	127	8	302
S	214	585	868	45	1,712
Rs	70	236	425	13	744
Ra	77	283	420	15	795
Rb	190	299	521	40	1,050
P	8	14	32	1	55
Colon	491	1,387	2,041	90	4,009
Rectum	345	832	1,398	69	2,644
Total	836	2,219	3,439	159	6,653

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	380	60	61	243	744
Ra	423	113	128	131	795
Rb	436	215	243	156	1,050
P	25	8	18	4	55
Total	1,264	396	450	534	2,644

- 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 27-1

Combined resection, by site

Site	Number of organs resected						Total
	0	1	2	3	4	>=5	
I	2	2	0	0	0	0	4
V	10	3	0	0	0	0	13
C	363	64	12	0	0	0	439
A	843	110	17	3	1	0	974
T	482	72	6	4	1	0	565
D	261	35	4	0	2	0	302
S	1,436	221	43	8	4	0	1,712
Rs	633	83	22	4	2	0	744
Ra	684	85	19	5	2	0	795
Rb	927	91	22	7	3	0	1,050
P	42	11	1	1	0	0	55
Colon	3,397	507	82	15	8	0	4,009
Rectum	2,286	270	64	17	7	0	2,644
Total	5,683	777	146	32	15	0	6,653

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	
Abdominal wall	1	1	17	22	11	9	22	2	2	1	0	88
Pelvic wall	0	0	0	0	1	0	1	1	0	4	1	8
Uterus	0	0	0	4	0	0	13	13	26	17	2	75
Ovary & tube	0	1	9	5	1	1	34	12	13	15	1	92
Vagina	0	0	0	0	0	0	2	2	8	27	6	45
Seminal vesicle	0	0	0	0	0	0	6	1	4	8	2	21
Prostate	0	0	0	0	2	0	3	1	8	23	2	39
Bladder	0	0	1	1	1	0	70	29	15	16	0	133
Ureter	0	0	1	0	0	0	7	3	5	1	0	17
Stomach	0	0	3	4	9	2	13	6	6	3	0	46
Duodenum	0	0	2	14	4	1	2	0	0	0	0	23
Small intestine	0	0	11	16	14	6	35	14	2	4	0	102
Colon	0	1	4	9	3	3	13	9	3	4	0	49
Rectum	0	0	0	0	1	0	4	1	0	0	0	6
Liver	1	0	5	8	5	3	17	10	9	8	0	66
Omentum	0	0	1	5	2	2	4	0	0	1	0	15
Remote organ	0	0	0	1	0	1	3	0	0	0	0	5
OTH	0	0	31	58	31	13	61	28	23	19	2	266
Total	2	3	85	147	85	41	310	132	124	151	16	1,096

Table 28-1

Treatment for liver metastasis, by site

Site	Resection of liver metastasis			Total
	Complete	Incomplete	X	
I	1	0	0	1
V	0	0	0	0
C	11	1	1	13
A	15	7	0	22
T	18	0	0	18
D	4	4	0	8
S	43	9	2	54
Rs	21	5	0	26
Ra	17	11	1	29
Rb	11	5	1	17
P	0	0	0	0
Colon	92	21	3	116
Rectum	49	21	2	72
Total	141	42	5	188

Table 28-2

Treatment for liver metastasis

Liver metastasis	Resection of liver metastasis			Total
	Complete	Incomplete	X	
H1	102	4	1	107
H2	28	11	1	40
H3	11	27	3	41
Total	141	42	5	188

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	0	8	8
A	1	4	13	18
T	1	1	5	7
D	0	3	7	10
S	0	1	32	33
Rs	0	2	15	17
Ra	0	2	12	14
Rb	0	2	5	7
P	0	0	0	0
Colon	2	9	65	76
Rectum	0	6	32	38
Total	2	15	97	114

Table 28-4

Treatment for liver metastasis

Treatment modality other than hepatectomy

Liver metastasis	Ethanol	MCT	OTH	Total
H1	1	0	16	17
H2	1	6	10	17
H3	0	9	71	80
Total	2	15	97	114

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	X	
I	3	1	0	1	0	5
V	11	0	2	0	0	13
C	334	34	70	2	1	441
A	759	72	137	12	6	986
T	448	40	72	5	5	570
D	251	12	36	3	3	305
S	1,370	112	219	10	11	1,722
Rs	579	56	103	11	6	755
Ra	650	43	93	14	9	809
Rb	875	68	93	13	14	1,063
P	42	5	7	1	1	56
Colon	3,176	271	536	33	26	4,042
Rectum	2,146	172	296	39	30	2,683
Total	5,322	443	832	72	56	6,725

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	3	1	0	1	0	5
V	11	0	2	0	0	13
C	333	34	70	2	2	441
A	772	57	143	12	2	986
T	449	44	69	5	3	570
D	247	16	36	3	3	305
S	1,376	104	226	10	6	1,722
Rs	581	56	105	11	2	755
Ra	648	44	94	14	9	809
Rb	853	66	111	13	20	1,063
P	42	5	6	1	2	56
Colon	3,191	256	546	33	16	4,042
Rectum	2,124	171	316	39	33	2,683
Total	5,315	427	862	72	49	6,725

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	0	0	3	0	0	2	0	5
V	2	2	3	1	3	2	0	13
C	49	63	106	76	48	83	16	441
A	56	138	313	186	102	164	27	986
T	63	84	185	75	54	87	22	570
D	25	44	98	66	18	41	13	305
S	81	315	525	353	130	274	44	1,722
Rs	37	116	236	157	52	123	34	755
Ra	53	149	209	173	72	111	42	809
Rb	103	247	232	195	130	88	68	1,063
P	9	13	7	4	15	5	3	56
Colon	276	646	1,233	757	355	653	122	4,042
Rectum	202	525	684	529	269	327	147	2,683
Total	478	1,171	1,917	1,286	624	980	269	6,725

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

Curability	Histological stage							Total
	0	I	II	IIIa	IIIb	IV	X	
cur A	466	1,162	1,859	1,175	496	8	149	5,315
cur B	4	3	38	61	87	210	24	427
cur C	5	2	18	43	38	720	36	862
Not resected	0	0	0	3	1	40	28	72
X	3	4	2	4	2	2	32	49
Total	478	1,171	1,917	1,286	624	980	269	6,725

Table 31Accompanied lesion (multi-answers)

Accompanied lesion	Site											Total
	I	V	C	A	T	D	S	Rs	Ra	Rb	P	
Adenoma	0	2	57	194	107	48	294	104	129	147	7	1,089
Adenomatosis	0	0	6	9	8	3	9	2	1	12	0	50
Ulcerative colitis	0	0	0	1	0	1	1	1	1	4	0	9
Crohn's disease	0	0	0	0	0	0	1	0	0	1	0	2
Radiation colitis	0	0	0	0	0	0	1	1	0	2	0	4
Anal fistula	0	0	0	0	0	0	0	1	1	2	3	7
OTH	0	0	14	27	12	10	38	22	20	25	2	170
X	1	3	39	80	54	26	159	65	74	91	5	597

IV) Adenocarcinoma, Endoscopic excision

Table 32Site and number of cancers

Site	Number of cancers						Total
	1	2	3	4	>=5	X	
V	1	1	0	0	0	0	2
C	21	0	0	0	0	3	24
A	75	13	1	2	0	6	97
T	61	10	0	1	0	2	74
D	49	6	1	1	0	2	59
S	301	26	2	3	0	12	344
Rs	73	3	1	0	1	10	88
Ra	62	2	0	0	0	1	65
Rb	52	1	0	0	0	2	55
P	1	0	0	0	0	0	1
Colon	508	56	4	7	0	25	600
Rectum	188	6	1	0	1	13	209
Total	696	62	5	7	1	38	809

Table 33-1Endoscopic excision

Site	Modality of endoscopic resection			Total
	Electric cautery	OTH	X	
V	2	0	0	2
C	22	1	1	24
A	94	0	3	97
T	73	1	0	74
D	57	2	0	59
S	326	3	15	344
Rs	82	1	5	88
Ra	59	0	6	65
Rb	49	3	3	55
P	1	0	0	1
Colon	574	7	19	600
Rectum	191	4	14	209
Total	765	11	33	809

Table 33-2Endoscopic excision, evaluation of the excision

Site	Excision				Total
	Complete	Incomplete	Undecidable	X	
V	2	0	0	0	2
C	21	1	1	1	24
A	89	3	5	0	97
T	63	8	3	0	74
D	49	6	3	1	59
S	290	32	8	14	344
Rs	67	11	1	9	88
Ra	57	5	2	1	65
Rb	42	6	2	5	55
P	1	0	0	0	1
Colon	514	50	20	16	600
Rectum	167	22	5	15	209
Total	681	72	25	31	809

Table 33-3Endoscopic excision, evaluation of the retrieval of resected specimens

Site	Specimens				Total
	Complete	Incomplete	No retrieve	X	
V	1	0	0	1	2
C	22	0	1	1	24
A	89	5	0	3	97
T	68	1	2	3	74
D	55	2	0	2	59
S	311	5	0	28	344
Rs	79	0	0	9	88
Ra	60	2	0	3	65
Rb	47	0	4	4	55
P	1	0	0	0	1
Colon	546	13	3	38	600
Rectum	187	2	4	16	209
Total	733	15	7	54	809

Table 34-1

Gross appearance, by site

Site	Gross appearance										Total
	Ip	Isp	Is	IIa	IIa+IIc	IIb	IIc	IIc+IIa	OTH	X	
V	0	0	0	0	0	0	0	0	1	1	2
C	3	3	7	3	0	0	0	0	6	2	24
A	24	29	14	16	3	0	1	1	7	2	97
T	20	22	8	13	0	0	4	0	4	3	74
D	21	16	9	6	1	0	1	0	4	1	59
S	144	114	29	23	12	0	2	1	5	14	344
Rs	25	31	10	8	1	0	0	1	6	6	88
Ra	8	23	9	12	6	1	0	1	4	1	65
Rb	3	20	8	11	3	0	0	1	2	7	55
P	1	0	0	0	0	0	0	0	0	0	1
Colon	212	184	67	61	16	0	8	2	27	23	600
Rectum	37	74	27	31	10	1	0	3	12	14	209
Total	249	258	94	92	26	1	8	5	39	37	809

Table 34-2

Gross appearance, by DI

DI	Gross appearance										Total
	Ip	Isp	Is	IIa	IIa+IIc	IIb	IIc	IIc+IIa	OTH	X	
m	188	177	54	59	6	1	3	1	26	10	525
sm	52	78	34	26	20	0	3	4	9	7	233
mp	2	0	0	0	0	0	0	0	0	0	2
>ss/al	0	0	0	0	0	0	0	0	1	0	1
X	7	3	6	7	0	0	2	0	3	20	48
Total	249	258	94	92	26	1	8	5	39	37	809
Depth of submucosal invasion											
slight	16	12	6	9	8	0	1	0	5	1	58
massive	26	49	25	15	11	0	1	4	4	3	138
NOS	10	17	3	2	1	0	1	0	0	3	37

IV) Adenocarcinoma, Endoscopic excision

Table 35DI, by site

DI

Site	m	sm	mp	>ss/al	X	Total	Grade of sm invasion		
							slight	massive	NOS
V	2	0	0	0	0	2	0	0	0
C	19	4	0	0	1	24	1	3	0
A	75	16	1	0	5	97	6	9	1
T	54	16	0	0	4	74	6	8	2
D	33	18	0	0	8	59	7	9	2
S	227	101	1	0	15	344	19	62	20
Rs	46	33	0	1	8	88	10	16	7
Ra	42	22	0	0	1	65	5	14	3
Rb	26	23	0	0	6	55	4	17	2
P	1	0	0	0	0	1	0	0	0
Colon	410	155	2	0	33	600	39	91	25
Rectum	115	78	0	1	15	209	19	47	12
Total	525	233	2	1	48	809	58	138	37

Table 36-1Histological classification, by site

Histological classification

Site	Carcinoma in adenoma	Carcinoma with adenomatous component	Carcinoma without adenomatous component	X	Total
V	2	0	0	0	2
C	17	3	2	2	24
A	44	31	19	3	97
T	35	19	18	2	74
D	32	10	12	5	59
S	176	76	54	38	344
Rs	39	16	19	14	88
Ra	24	21	10	10	65
Rb	14	19	14	8	55
P	1	0	0	0	1
Colon	306	139	105	50	600
Rectum	78	56	43	32	209
Total	384	195	148	82	809

Table 36-2Histological classification, by site

Site	Histological classification						Total
	w/d	m/d	p/d	muc	sig	NOS	
V	2	0	0	0	0	0	2
C	19	1	0	0	0	4	24
A	76	5	1	0	0	15	97
T	65	5	0	0	0	4	74
D	51	2	0	0	0	6	59
S	266	29	0	0	0	49	344
Rs	51	15	1	0	0	21	88
Ra	50	7	1	0	0	7	65
Rb	37	10	0	0	0	8	55
P	1	0	0	0	0	0	1
Colon	479	42	1	0	0	78	600
Rectum	139	32	2	0	0	36	209
Total	618	74	3	0	0	114	809

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 37Lymphatic invasion and sm invasion

sm invasion	Lymphatic invasion						Total
	ly0	ly1	ly2	ly3	ly(+)	X	
slight	39	10	0	0	2	7	58
massive	69	20	6	0	10	33	138
NOS	21	3	0	0	0	13	37
Total	129	33	6	0	12	53	233

Table 38Venous invasion and sm invasion

sm invasion	Venous invasion						Total
	V0	V1	V2	V3	v(+)	X	
slight	44	5	0	0	2	7	58
massive	87	12	3	0	8	28	138
NOS	20	2	1	0	1	13	37
Total	151	19	4	0	11	48	233

IV) Adenocarcinoma, Endoscopic excision

Table 39-1Tumor size, by gross appearance

Size (mm)	Gross appearance									X	Total
	Ip	Isp	Is	IIa	IIa+IIc	IIb	IIc	IIc+IIa	OTH		
<=5	4	13	8	7	2	1	0	0	1	0	36
6-10	61	105	35	32	9	0	3	1	5	5	256
11-15	89	72	20	23	8	0	3	1	7	6	229
16-20	61	30	15	12	2	0	1	2	9	0	132
21-30	15	21	6	7	0	0	0	0	11	1	61
31-40	2	0	1	3	0	0	0	0	2	0	8
>40	2	0	0	0	0	0	0	0	2	1	5
X	15	17	9	8	5	0	1	1	2	24	82
Total	249	258	94	92	26	1	8	5	39	37	809

Table 39-2Tumor size, by DI

Size (mm)	DI				X	Total
	m	sm	mp	ss/al		
<=5	26	9	0	0	1	36
6-10	194	53	0	0	9	256
11-15	149	74	0	0	6	229
16-20	81	48	0	0	3	132
21-30	41	19	0	0	1	61
31-40	5	3	0	0	0	8
>40	4	0	0	1	0	5
X	25	27	2	0	28	82
Total	525	233	2	1	48	809

Table 40

Cut end of the specimen, mucosal and submucosal

m-ce	DI							Total
	m	sm			mp	>ss/al	X	
		sm-ce						
		-	+	X				
-	433	101	17	11	2	0	7	571
+	29	6	9	6	0	0	0	50
X	63	22	15	46	0	1	41	188
Total	525	129	41	63	2	1	48	809

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	
V	2	0	0	2
C	21	0	3	24
A	94	0	3	97
T	72	1	1	74
D	56	1	2	59
S	312	5	27	344
Rs	77	3	8	88
Ra	60	2	3	65
Rb	47	2	6	55
P	1	0	0	1
Colon	557	7	36	600
Rectum	185	7	17	209
Total	742	14	53	809

IV) Adenocarcinoma, Endoscopic excision

Table 41-2Metastasis, by DI

DI	Any metastasis			Total
	No	Yes	X	
m	503	3	19	525
sm	204	9	20	233
mp	2	0	0	2
>ss/a1	0	1	0	1
X	33	1	14	48
Total	742	14	53	809

Table 42-1Curability of endoscopic excision, by site

Site	Evaluation of colorectal endoscopy				Total
	cur A	cur B	cur C	X	
V	2	0	0	0	2
C	18	2	2	2	24
A	74	13	2	8	97
T	58	10	5	1	74
D	42	11	3	3	59
S	258	44	12	30	344
Rs	59	13	4	12	88
Ra	52	7	3	3	65
Rb	37	9	4	5	55
P	1	0	0	0	1
Colon	452	80	24	44	600
Rectum	149	29	11	20	209
Total	601	109	35	64	809

Table 42-2Curability of endoscopic excision, by DI

DI	Evaluation of colorectal endoscopy				Total
	cur A	cur B	cur C	X	
m	473	26	11	15	525
sm	112	72	17	32	233
mp	1	0	0	1	2
>ss/a1	0	0	1	0	1
X	15	11	6	16	48
Total	601	109	35	64	809

IV) Adenocarcinoma, Endoscopic excision

Table 43-1Additional surgeryAdditional surgical resection

	Yes	No	Total
Site			
V	1	1	2
C	6	18	24
A	26	71	97
T	16	58	74
D	13	46	59
S	108	236	344
Rs	30	58	88
Ra	16	49	65
Rb	25	30	55
P	1	0	1
DI			
m	46	479	525
sm	168	65	233
mp	2	0	2
>ss/a1	1	0	1
X	25	23	48
sm invasion (sm cancers)			
slight	27	31	58
massive	115	23	138
NOS	26	11	37
Histology, Adenomatous component			
Carcinoma in adenoma	55	329	384
Carcinoma with adenomatous component	67	128	195
Carcinoma without adenomatous component	71	77	148
X	49	33	82
Histological classification			
w/d	153	465	618
m/d	42	32	74
p/d	3	0	3
muc	0	0	0
sig	0	0	0
NOS	44	70	114

Table 43-2Additional surgeryAdditional surgical resection

	Yes	No	Total
m-ce			
-	123	448	571
+	30	20	50
X	89	99	188
sm-ce (sm cancers)			
-	85	44	129
+	40	1	41
X	43	20	63
ly (sm cancers)			
ly0	79	50	129
ly1	31	2	33
ly2	6	0	6
ly(+)	11	1	12
X	41	12	53
v (sm cancers)			
V0	100	51	151
V1	17	2	19
V2	4	0	4
V(+)	10	1	11
X	37	11	48
Evaluation of colorectal endoscopy			
cur A	114	487	601
cur B	50	59	109
cur C	25	10	35
X	53	11	64

V) Adenocarcinoma, Surgery after endoscopic excision

Table 44

Laparoscopic surgery as additional surgery

Laparoscopic surgery (LS)

Site	No	Yes		OTH	Total
		LS only	LS assisted		
V	1	0	0	0	1
C	4	1	1	0	6
A	20	2	4	0	26
T	12	0	4	0	16
D	10	2	1	0	13
S	84	3	20	1	108
Rs	26	1	3	0	30
Ra	16	0	0	0	16
Rb	24	0	1	0	25
P	1	0	0	0	1
Colon	131	8	30	1	170
Rectum	67	1	4	0	72
Total	198	9	34	1	242

Table 45

Residual cancer in surgically resected specimen, additional surgery

Residual cancer in the resected specimen

Site	No	Yes	X	Total
V	0	0	1	1
C	3	1	2	6
A	16	2	8	26
T	7	4	5	16
D	7	1	5	13
S	66	7	35	108
Rs	18	1	11	30
Ra	6	2	8	16
Rb	13	3	9	25
P	0	0	1	1
Colon	99	15	56	170
Rectum	37	6	29	72
Total	136	21	85	242

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		
V	1	0	0	0	0	0	0	1
C	4	0	0	1	1	0	0	6
A	6	11	0	2	2	0	5	26
T	3	6	2	0	2	0	3	16
D	2	8	0	1	1	0	1	13
S	9	69	2	3	4	0	21	108
Rs	0	20	2	1	2	0	5	30
Ra	1	9	3	1	0	0	2	16
Rb	4	16	1	0	1	0	3	25
P	0	0	0	1	0	0	0	1
Colon	25	94	4	7	10	0	30	170
Rectum	5	45	6	3	3	0	10	72
Total	30	139	10	10	13	0	40	242

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

Site	Lymph node metastasis						Total
	N0	N1	N2	N3	N4	NX	
V	1	0	0	0	0	0	1
C	4	0	1	1	0	0	6
A	21	2	1	0	0	2	26
T	10	3	0	0	0	3	16
D	12	0	1	0	0	0	13
S	92	8	0	0	0	8	108
Rs	25	3	0	0	0	2	30
Ra	12	3	0	0	0	1	16
Rb	21	2	0	0	0	2	25
P	1	0	0	0	0	0	1
Colon	140	13	3	1	0	13	170
Rectum	59	8	0	0	0	5	72
Total	199	21	3	1	0	18	242

V) Adenocarcinoma, Surgery after endoscopic excision

Table 47-2
Lymph node metastasis, histological, by site, additional surgery

Lymph node metastasis

Site	n0	n1	n2	n3	n4	nX	Total
V	0	0	0	0	0	1	1
C	5	0	1	0	0	0	6
A	21	3	0	0	0	2	26
T	11	1	1	0	0	3	16
D	12	1	0	0	0	0	13
S	82	11	1	0	0	14	108
Rs	22	3	0	0	1	4	30
Ra	8	6	0	0	0	2	16
Rb	17	3	2	0	0	3	25
P	0	1	0	0	0	0	1
Colon	131	16	3	0	0	20	170
Rectum	47	13	2	0	1	9	72
Total	178	29	5	0	1	29	242

Table 48
Lymphatic invasion in surgically resected specimen, additional surgery

Lymphatic invasion

Site	ly0	ly1	ly2	ly3	ly(+)	X	Total
V	0	0	0	0	0	1	1
C	5	0	0	0	0	1	6
A	17	3	2	0	0	4	26
T	8	4	1	0	0	3	16
D	8	4	1	0	0	0	13
S	59	21	2	1	1	24	108
Rs	9	10	1	0	1	9	30
Ra	6	6	1	0	0	3	16
Rb	11	4	3	0	1	6	25
P	0	1	0	0	0	0	1
Colon	97	32	6	1	1	33	170
Rectum	26	21	5	0	2	18	72
Total	123	53	11	1	3	51	242

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	
V	0	0	0	0	0	1	1
C	5	0	0	0	0	1	6
A	15	5	1	0	0	5	26
T	11	1	1	0	0	3	16
D	11	2	0	0	0	0	13
S	66	14	2	1	1	24	108
Rs	12	9	0	0	1	8	30
Ra	8	2	3	0	0	3	16
Rb	16	2	1	0	0	6	25
P	0	1	0	0	0	0	1
Colon	108	22	4	1	1	34	170
Rectum	36	14	4	0	1	17	72
Total	144	36	8	1	2	51	242

Table 50
Curability of surgical resection, additional surgery

Site	Curability					Total
	cur A	cur B	cur C	Not resected	X	
V	1	0	0	0	0	1
C	6	0	0	0	0	6
A	22	1	1	0	2	26
T	14	0	0	0	2	16
D	13	0	0	0	0	13
S	95	1	1	0	11	108
Rs	26	1	1	0	2	30
Ra	14	1	0	0	1	16
Rb	23	0	1	0	1	25
P	1	0	0	0	0	1
Colon	151	2	2	0	15	170
Rectum	64	2	2	0	4	72
Total	215	4	4	0	19	242

V) Adenocarcinoma, Surgery after endoscopic excision

Table 51
Histological stage, additional surgery

Site	Histological stage							Total
	0	I	II	IIIa	IIIb	IV	X	
V	1	0	0	0	0	0	0	1
C	2	1	1	0	1	0	1	6
A	7	12	1	2	0	1	3	26
T	4	7	1	2	0	0	2	16
D	2	8	1	1	0	0	1	13
S	14	56	5	11	1	1	20	108
Rs	4	19	0	2	0	2	3	30
Ra	0	8	0	6	0	0	2	16
Rb	6	13	1	1	2	0	2	25
P	0	0	0	1	0	0	0	1
Colon	30	84	9	16	2	2	27	170
Rectum	10	40	1	10	2	2	7	72
Total	40	124	10	26	4	4	34	242

Table 52
Operative procedures, additional surgery

Operative procedure	V	C	A	T	D	S	Rs	Ra	Rb	P	Total
Trans-abdominal resection	0	0	1	0	0	1	0	0	0	0	2
Trans-anal resection	0	0	0	0	0	0	0	1	5	0	6
Partial colectomy	0	0	3	3	5	11	0	0	0	0	22
Partial proctomy	0	0	0	0	0	0	3	0	0	0	3
Ileocecal resection	1	3	3	0	0	0	0	0	0	0	7
Ascending colectomy	0	0	3	0	0	0	0	0	0	0	3
Right colectomy	0	3	13	1	0	0	0	0	0	0	17
Transverse colectomy	0	0	1	8	0	0	0	0	0	0	9
Descending colectomy	0	0	0	0	5	0	0	0	0	0	5
Left colectomy	0	0	0	0	2	0	0	0	0	0	2
Sigmoidectomy	0	0	0	1	0	76	0	0	0	0	77
HAR	0	0	0	0	1	5	14	0	0	0	20
LAR	0	0	0	0	0	1	12	14	16	0	43
Hartmann	0	0	0	0	0	0	1	0	0	0	1
APR	0	0	0	0	0	1	0	0	3	1	5
X	0	0	2	3	0	13	0	1	1	0	20
Total	1	6	26	16	13	108	30	16	25	1	242

Malignant neoplasms other than adenocarcinoma

A total of 122 patients with malignancies other than adenocarcinoma was classified into 3 groups.

- I) All-----122 cases
- II) Surgery-----105 cases
- III) Endoscopic excision----- 17 cases

Abbreviations of histological typing in this report.

sq	squamous cell carcinoma
as	adenosquamous carcinoma
ud	undifferentiated carcinoma
bsl	basaloid carcinoma
OEM	other eptithelial malignancies
cd	carcinoid
MM	malignant melanoma
LMS	leiomyosarcoma
NHL	non-Hodgkin lymphomas
HD	Hodgkin' s disease

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	1	0	0	0	0	0	1
V	0	0	0	0	0	0	0	0	0	0
C	0	0	1	0	2	0	0	0	0	3
A	0	0	0	2	0	2	5	0	0	9
T	0	0	0	1	0	1	0	0	0	2
D	0	0	1	2	0	1	0	0	0	4
S	1	0	0	0	4	3	1	0	0	9
Rs	0	0	1	0	2	0	1	0	0	4
Ra	0	0	0	2	2	0	1	0	0	5
Rb	0	1	4	6	6	5	4	4	0	30
P	0	0	0	0	3	0	3	1	0	7
E	0	0	0	0	0	0	1	0	0	1
Colon	1	0	2	6	6	7	6	0	0	28
Rectum	0	1	5	8	13	5	10	5	0	47
Total	1	1	7	14	19	12	16	5	0	75

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	0	0	0	0	0
V	0	0	0	0	0	1	0	0	0	1
C	0	0	0	0	0	2	4	0	0	6
A	0	0	0	0	0	1	1	2	0	4
T	0	0	0	0	1	1	0	0	0	2
D	0	0	0	0	1	0	0	0	0	1
S	0	0	1	1	0	1	0	0	0	3
Rs	0	0	0	1	0	0	1	0	0	2
Ra	0	0	0	1	1	0	0	0	0	2
Rb	0	0	0	2	3	4	2	2	0	13
P	0	0	0	0	3	3	5	2	0	13
E	0	0	0	0	0	0	0	0	0	0
Colon	0	0	1	1	2	6	5	2	0	17
Rectum	0	0	0	4	7	7	8	4	0	30
Total	0	0	1	5	9	13	13	6	0	47

Table 54
Histological typing, by site

Site	Histology											Total
	sq	as	ud	bsl	OEM	cd	MM	LMS	NHL	HD	OTH	
I	0	0	0	0	0	0	0	0	1	0	0	1
V	0	0	0	0	1	0	0	0	0	0	0	1
C	0	0	0	0	1	1	0	0	3	1	3	9
A	0	5	1	0	0	0	0	0	3	0	4	13
T	0	0	1	0	0	0	0	0	0	0	2	3
D	0	1	1	0	1	0	0	0	0	0	2	5
S	0	2	1	0	1	0	0	0	0	0	5	9
Rs	0	0	0	0	1	0	0	0	0	0	3	4
Ra	0	1	0	0	2	1	0	0	1	0	0	5
Rb	3	1	1	1	0	15	2	2	0	0	11	36
P	11	2	1	2	0	0	0	1	0	0	1	18
E	0	0	0	0	0	0	0	0	1	0	0	1
Colon	0	8	4	0	4	1	0	0	7	1	16	41
Rectum	14	4	2	3	3	16	2	3	2	0	15	64
Total	14	12	6	3	7	17	2	3	9	1	31	105

Table 55
Modality of principal treatmet

Treatment	Histology											Total
	sq	as	ud	bsl	OEM	cd	MM	LMS	NHL	HD	OTH	
None	0	0	0	0	0	0	0	0	0	0	0	0
Surgery	14	12	6	3	7	17	2	3	9	1	31	105
Chemoth- erapy	0	0	0	0	0	0	0	0	0	0	0	0
Radiation	0	0	0	0	0	0	0	0	0	0	0	0
Total	14	12	6	3	7	17	2	3	9	1	31	105

Table 56DI

Histology

DI	sq	as	ud	bsl	OEM	cd	MM	LMS	NHL	HD	OTH	Total
m	2	0	0	0	0	1	1	0	0	0	10	14
sm	1	1	0	1	0	11	0	0	1	0	3	18
mp	3	0	1	0	1	0	1	1	1	0	0	8
ss/a1	2	3	2	0	4	1	0	1	0	0	1	14
se/a2	3	3	1	1	0	2	0	0	3	1	2	16
si/ai	3	3	2	1	0	0	0	0	1	0	1	11
X	0	2	0	0	2	2	0	1	3	0	14	24
Total	14	12	6	3	7	17	2	3	9	1	31	105

Table 57Lymph node metastasis, histological

Lymph node	Histology											Total
	sq	as	ud	bsl	OEM	cd	MM	LMS	NHL	HD	OTH	
n0	7	5	3	1	4	1	1	2	1	0	10	35
n1	0	2	1	1	0	3	1	0	1	0	1	10
n2	4	3	1	1	1	2	0	0	1	1	3	17
n3	1	0	0	0	0	0	0	0	2	0	0	3
n4	0	1	0	0	0	0	0	0	1	0	1	3
nX	2	1	1	0	2	11	0	1	3	0	16	37
Total	14	12	6	3	7	17	2	3	9	1	31	105

Table 58Tumor size (mm)

Size (mm)	Histology											Total
	sq	as	ud	bsl	OEM	cd	MM	LMS	NHL	HD	OTH	
<=20	1	2	0	0	1	11	1	1	1	0	7	25
21-40	7	0	2	2	3	3	0	1	0	0	13	31
41-60	1	3	2	0	0	0	1	0	3	0	2	12
61-80	1	4	0	1	2	0	0	1	0	1	0	10
>80	0	3	2	0	1	0	0	0	5	0	2	13
X	4	0	0	0	0	3	0	0	0	0	7	14
Total	14	12	6	3	7	17	2	3	9	1	31	105

Table 59Curability of surgical resection, histological

Curability	Histology											Total
	sq	as	ud	bsl	OEM	cd	MM	LMS	NHL	HD	OTH	
cur A	8	7	6	2	4	12	2	3	3	0	22	69
cur B	2	1	0	0	1	2	0	0	2	0	3	11
cur C	4	3	0	1	1	2	0	0	3	1	2	17
Not resected	0	0	0	0	0	0	0	0	0	0	1	1
X	0	1	0	0	1	1	0	0	1	0	3	7
Total	14	12	6	3	7	17	2	3	9	1	31	105

III) Other malignancies, Endoscopic excision

Table 60
Histological typing, by site

Site	Histology				Total
	sq	OEM	cd	OTH	
C	0	0	0	0	0
A	0	0	0	0	0
T	0	1	0	0	1
D	0	0	0	0	0
S	0	1	1	1	3
Rs	0	1	1	0	2
Ra	0	0	2	0	2
Rb	0	0	7	0	7
P	2	0	0	0	2
Colon	0	2	1	1	4
Rectum	2	1	10	0	13
Total	2	3	11	1	17

Table 61
Endoscopic excision
Histology

Excision	sq	OEM	cd	OTH	Total
Complete	0	3	10	1	14
Undecidable	0	0	1	0	1
X	2	0	0	0	2
Total	2	3	11	1	17

Table 62

DI
Histology

DI	sq	OEM	cd	OTH	Total
m	0	1	1	0	2
sm	0	2	9	1	12
X	2	0	1	0	3
Total	2	3	11	1	17

III) Other malignancies, Endoscopic excision

Table 63

Cut end of the specimen, mucosal and submucosal

DI

	DI				Total	
m-ce	m	sm				mp
	sm-ce					
	-	+	X	X		
-	1	2	0	2	1	6
+	1	0	0	0	0	1
X	0	4	1	3	2	10
Total	2	6	1	5	3	17

Table 64

Curability of endoscopic excision

Histology

Curability	sq	OEM	cd	OTH	Total
cur A	0	0	7	1	8
cur B	0	2	2	0	4
X	2	1	2	0	5
Total	2	3	11	1	17

Multi-Institutional Registry of Large Bowel Cancer
in Japan

Vol. 21

Cases treated in 1997

2001年（平成13年）7月5日印刷

2001年（平成13年）7月26日発行

発 行 者

大腸癌研究会

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