

頭頸部悪性腫瘍全国登録

新規症例登録 基本情報集計結果

(2001年度初診症例)

日本頭頸部癌学会 悪性腫瘍登録委員会

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Total Cases	4
Oral Cavity	23
Larynx	55
Hypopharynx	92
Oropharynx	106
Nasopharynx	120
Nasal Cavity and Paranasal Sinuses	134
Maxillary Sinus	148

2001年度症例登録施設（29施設）

1. 北海道大学大学院医学研究科 病態制御学専攻 感覚器病学講座 耳鼻咽喉科・頭頸部外科学分野
2. 北海道大学大学院歯学研究科 口腔病態学講座 口腔顎顔面外科・口腔再建外科学分野
3. 東北大学大学院歯学研究科 口腔病態外科学講座 顎顔面外科学分野
4. 東北大学大学院歯学研究科 口腔病態外科学講座 口腔外科学分野
5. 宮城県立がんセンター 耳鼻咽喉科
6. 山形大学医学部 情報構造統御学講座 耳鼻咽喉・頭頸部外科学分野
7. 自治医科大学 耳鼻咽喉科
8. 防衛医科大学校 耳鼻咽喉科
9. 埼玉県立がんセンター 頭頸部外科
10. 国立がんセンター中央病院 頭頸科
11. 日本医科大学 耳鼻咽喉科
12. 東京医科歯科大学大学院医歯学総合研究科 顎顔面頸部機能再建学系専攻 顎顔面機能修復学講座 顎顔面外科学分野
13. 東京医科歯科大学大学院医歯学総合研究科 口腔機能再構築学系専攻 口腔機能再建学講座 顎口腔外科学分野
14. 東京医科歯科大学大学院医歯学総合研究科 顎顔面頸部機能再建学系専攻 頭頸部再建学講座 頭頸部外科学分野
15. 東京女子医科大学 放射線科
16. 東京慈恵会医科大学 耳鼻咽喉科
17. 横浜市立大学大学院医学研究科 生体機能医科学専攻 形態機能再生再建医科学分野 顎顔面口腔機能制御学部門
18. 福井大学医学部 感覚運動医学講座 耳鼻咽喉科・頭頸部外科学
19. 愛知県がんセンター 頭頸部外科
20. 国立病院機構 京都医療センター 耳鼻咽喉科
21. 関西医科大学 耳鼻咽喉科
22. 大阪大学大学院歯学研究科 統合機能口腔科学専攻 顎口腔病因病態制御学講座 第二口腔外科
23. 大阪府立成人病センター 耳鼻咽喉科
24. 大阪府立急性期・総合医療センター 耳鼻咽喉科
25. 神戸大学大学院医学系研究科 器官治療医学講座 耳鼻咽喉・頭頸部外科学分野
26. 和歌山県立医科大学 耳鼻咽喉科
27. 徳島大学歯学部 第一口腔外科
28. 香川大学医学部 耳鼻咽喉科
29. 久留米大学医学部 耳鼻咽喉科・頭頸部外科

（施設コード順）

Total Cases

1335 Cases

Head and Neck Carcinoma ----- 1335 Cases

Primary Site

Site	Number of patients
1) Oral cavity	478 (35.8%)
2) Larynx	334 (25.0%)
3) Hypopharynx	218 (16.3%)
4) Oropharynx	162 (12.1%)
5) Nasopharynx	51 (3.8%)
6) Nasal cavity, <i>etc.</i>	36 (2.7%)
7) Maxillary sinus	56 (4.2%)
Total	1335 (100.0%)

Nasal cavity, *etc.* : nasal cavity and paranasal sinuses
(excluding the maxillary sinus).

Head and Neck Carcinoma ----- 1335 Cases

Age Distribution by Gender

Age	Male	Female	Unknown	Total
0 - 9	1	0	0	1
10 - 19	0	2	0	2
20 - 29	11	5	0	16
30 - 39	17	5	0	22
40 - 49	73	31	0	104
50 - 59	300	51	0	351
60 - 69	335	82	0	417
70 - 79	266	77	0	343
80 - 89	49	27	0	76
90 -	3	0	0	3
Unknown	0	0	0	0
Total	1055	280	0	1335

Head and Neck Carcinoma ----- 1335 Cases

Histological Distribution by Primary Site

Histologic type	(1) Oral cavity	(2) Larynx	(3) Hypo- pharynx	(4) Oro- pharynx	(5) Naso- pharynx	(6) Nasal cavity, <i>etc.</i>	(7) Maxillary sinus	Total
Neoplasm, malig.	1	1	0	1	1	2	4	10
Carcinoma, NOS	0	2	0	0	2	2	1	7
Ca., undiff., NOS	0	0	2	5	9	1	1	18
Verrucous ca., NOS	16	1	0	1	0	0	0	18
Papillary S.C.C.	0	0	0	1	0	0	0	1
S.C.C. in situ, NOS	4	15	1	0	1	0	0	21
S.C.C., NOS	349	258	199	132	30	16	38	1022
S.C.C., kerat., NOS	83	47	15	15	2	4	4	170
S.C.C., large cell, non-kerat.	0	6	1	3	2	0	1	13
S.C.C., small cell, non-kerat.	1	1	0	0	0	0	0	2
S.C.C., spindle cell	2	2	0	0	0	0	0	4
S.C.C. in situ with quest. stromal invasion	3	0	0	0	0	0	0	3
S.C.C., microinvasive	1	0	0	0	0	0	0	1
Adenocarcinoma, NOS	1	0	0	1	0	1	0	3
Adenoid cystic ca.	8	0	0	2	1	3	2	16
Mucoepidermoid ca.	5	0	0	0	2	1	0	8
Acinar cell ca.	1	0	0	0	0	0	0	1
Adenosquamous ca.	0	0	0	1	0	0	3	4
Malig. melanoma, NOS	1	0	0	0	1	6	2	10
Mixed tumor, malig., NOS	1	1	0	0	0	0	0	2
Malig. lymphoma, NOS	1	0	0	0	0	0	0	1
Total	478	334	218	162	51	36	56	1335

Nasal cavity, *etc.* : nasal cavity and paranasal sinuses (excluding the maxillary sinus).

Malig., malig. : malignant.

undiff. : undifferentiated.

quest. : questionable.

NOS: not otherwise specified.

S.C.C. : squamous cell carcinoma.

Ca., ca. : carcinoma.

kerat. : keratinizing.

Head and Neck Carcinoma ----- 1335 Cases

Histological Distribution by Primary Site (Male)

Histologic type	(1) Oral cavity	(2) Larynx	(3) Hypo- pharynx	(4) Oro- pharynx	(5) Naso- pharynx	(6) Nasal cavity, <i>etc.</i>	(7) Maxillary sinus	Total
Neoplasm, malig.	1	1	0	1	1	2	3	9
Carcinoma, NOS	0	2	0	0	2	1	1	6
Ca., undiff., NOS	0	0	2	5	6	1	1	15
Verrucous ca., NOS	9	1	0	1	0	0	0	11
Papillary S.C.C.	0	0	0	1	0	0	0	1
S.C.C. in situ, NOS	0	14	1	0	1	0	0	16
S.C.C., NOS	221	242	184	117	24	14	23	825
S.C.C., kerat., NOS	52	46	13	14	2	4	3	134
S.C.C., large cell, non-kerat.	0	5	1	3	2	0	0	11
S.C.C., small cell, non-kerat.	1	1	0	0	0	0	0	2
S.C.C., spindle cell	0	2	0	0	0	0	0	2
S.C.C. in situ with quest. stromal invasion	0	0	0	0	0	0	0	0
S.C.C., microinvasive	1	0	0	0	0	0	0	1
Adenocarcinoma, NOS	0	0	0	1	0	0	0	1
Adenoid cystic ca.	2	0	0	1	1	2	0	6
Mucoepidermoid ca.	3	0	0	0	2	1	0	6
Acinar cell ca.	0	0	0	0	0	0	0	0
Adenosquamous ca.	0	0	0	1	0	0	3	4
Malig. melanoma, NOS	1	0	0	0	0	2	1	4
Mixed tumor, malig., NOS	0	1	0	0	0	0	0	1
Malig. lymphoma, NOS	0	0	0	0	0	0	0	0
Total	291	315	201	145	41	27	35	1055

Nasal cavity, *etc.* : nasal cavity and paranasal sinuses (excluding the maxillary sinus).

Malig., malig. : malignant.

undiff. : undifferentiated.

quest. : questionable.

NOS: not otherwise specified.

S.C.C. : squamous cell carcinoma.

Ca., ca. : carcinoma.

kerat. : keratinizing.

Head and Neck Carcinoma ----- 1335 Cases

Histological Distribution by Primary Site (Female)

Histologic type	(1) Oral cavity	(2) Larynx	(3) Hypo- pharynx	(4) Oro- pharynx	(5) Naso- pharynx	(6) Nasal cavity, <i>etc.</i>	(7) Maxillary sinus	Total
Neoplasm, malig.	0	0	0	0	0	0	1	1
Carcinoma, NOS	0	0	0	0	0	1	0	1
Ca., undiff., NOS	0	0	0	0	3	0	0	3
Verrucous ca., NOS	7	0	0	0	0	0	0	7
Papillary S.C.C.	0	0	0	0	0	0	0	0
S.C.C. in situ, NOS	4	1	0	0	0	0	0	5
S.C.C., NOS	128	16	15	15	6	2	15	197
S.C.C., kerat., NOS	31	1	2	1	0	0	1	36
S.C.C., large cell, non-kerat.	0	1	0	0	0	0	1	2
S.C.C., small cell, non-kerat.	0	0	0	0	0	0	0	0
S.C.C., spindle cell	2	0	0	0	0	0	0	2
S.C.C. in situ with quest. stromal invasion	3	0	0	0	0	0	0	3
S.C.C., microinvasive	0	0	0	0	0	0	0	0
Adenocarcinoma, NOS	1	0	0	0	0	1	0	2
Adenoid cystic ca.	6	0	0	1	0	1	2	10
Mucoepidermoid ca.	2	0	0	0	0	0	0	2
Acinar cell ca.	1	0	0	0	0	0	0	1
Adenosquamous ca.	0	0	0	0	0	0	0	0
Malig. melanoma, NOS	0	0	0	0	1	4	1	6
Mixed tumor, malig., NOS	1	0	0	0	0	0	0	1
Malig. lymphoma, NOS	1	0	0	0	0	0	0	1
Total	187	19	17	17	10	9	21	280

Nasal cavity, *etc.* : nasal cavity and paranasal sinuses (excluding the maxillary sinus).

Malig., malig. : malignant.

undiff. : undifferentiated.

quest. : questionable.

NOS: not otherwise specified.

S.C.C. : squamous cell carcinoma.

Ca., ca. : carcinoma.

kerat. : keratinizing.

Head and Neck Carcinoma ----- 1335 Cases

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	0	0	0	1	0	0	0	0	1
Tis	10	0	0	0	0	0	0	0	0	10
T1	257	25	3	4	15	3	4	2	0	313
T2	271	72	1	16	70	31	12	1	0	474
T3	95	51	1	10	59	44	7	0	0	267
T4	103	35	3	4	41	34	19	1	0	240
TX	2	1	0	1	0	0	0	3	0	7
T-	19	0	0	0	0	1	0	2	1	23
Total	757	184	8	35	186	113	42	9	1	1335

T-: T classification not defined.

N-: N classification not defined.

Head and Neck Carcinoma ----- 1335 Cases

T and N Status (M0 Cases)

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	0	0	0	1	0	0	0	0	1
Tis	10	0	0	0	0	0	0	0	0	10
T1	252	24	2	4	13	2	4	0	0	301
T2	256	68	1	15	67	30	10	1	0	448
T3	90	49	1	10	49	37	7	0	0	243
T4	96	29	1	4	35	29	16	0	0	210
TX	2	1	0	1	0	0	0	1	0	5
T-	18	0	0	0	0	1	0	1	1	21
Total	724	171	5	34	165	99	37	3	1	1239

T-: T classification not defined.

N-: N classification not defined.

Head and Neck Carcinoma ----- 1335 Cases

T and N Status (M1 Cases)

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0	0
T1	0	1	0	0	0	0	0	0	0	1
T2	3	4	0	0	2	1	1	0	0	11
T3	0	0	0	0	3	3	0	0	0	6
T4	4	3	2	0	4	4	2	0	0	19
TX	0	0	0	0	0	0	0	0	0	0
T-	0	0	0	0	0	0	0	0	0	0
Total	7	8	2	0	9	8	3	0	0	37

T-: T classification not defined.

N-: N classification not defined.

Head and Neck Carcinoma ----- 1335 Cases

T and N Status (MX Cases)

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0	0
T1	5	0	1	0	2	1	0	2	0	11
T2	12	0	0	1	1	0	1	0	0	15
T3	5	2	0	0	7	4	0	0	0	18
T4	3	3	0	0	2	1	1	1	0	11
TX	0	0	0	0	0	0	0	2	0	2
T-	1	0	0	0	0	0	0	1	0	2
Total	26	5	1	1	12	6	2	6	0	59

T-: T classification not defined.

N-: N classification not defined.

Head and Neck Carcinoma ----- 1335 Cases

Treatment Method for the Primary Lesion by Primary Site

Treatment method	(1) Oral cavity	(2) Larynx	(3) Hypo- pharynx	(4) Oro- pharynx	(5) Naso- pharynx	(6) Nasal cavity, <i>etc.</i>	(7) Maxillary sinus	Total
Surgery								
0) Without	90	193	94	94	43	15	10	539
1) With	387	141	124	68	7	21	46	794
9) Unknown	1	0	0	0	1	0	0	2
Radiotherapy								
0) Without	291	75	78	35	9	12	9	509
1) With	186	258	139	126	41	24	47	821
9) Unknown	1	1	1	1	1	0	0	5
Chemotherapy								
0) Without	364	263	138	84	18	19	14	900
1) With	113	71	80	78	32	17	42	433
9) Unknown	1	0	0	0	1	0	0	2
Total	478	334	218	162	51	36	56	1335

Nasal cavity, *etc.* : nasal cavity and paranasal sinuses (excluding the maxillary sinus).

Sequence of Treatment Methods for the Primary Lesion by Primary Site

Sequence of treatment methods	(1) Oral cavity	(2) Larynx	(3) Hypo- pharynx	(4) Oro- pharynx	(5) Naso- pharynx	(6) Nasal cavity, <i>etc.</i>	(7) Maxillary sinus	Total
No treatment	15	10	16	5	2	1	0	49
A) Surg. alone	228	62	52	22	2	10	4	380
B) Rad. alone	49	138	38	36	11	4	3	279
F) (Rad.+Chem.)	10	37	22	31	16	6	4	126
AB) Surg. -> Rad.	36	33	30	15	3	3	4	124
BA) Rad. -> Surg.	32	18	2	6	0	1	2	61
CA) Chem. -> Surg.	33	3	7	4	0	0	2	49
CB) Chem. -> Rad.	9	2	11	12	3	2	1	40
FA) (Rad.+Chem.) -> Surg.	13	6	7	4	0	1	6	37
CAB) Chem. -> Surg. -> Rad.	4	3	10	3	0	0	9	29
AF) Surg. -> (Rad.+Chem.)	3	7	1	2	0	1	3	17
C) Chem. alone	5	0	2	3	4	0	1	15
ACB) Surg. -> Chem. -> Rad.	5	0	2	4	0	2	0	13
BC) Rad. -> Chem.	0	1	2	4	2	2	1	12
ABC) Surg. -> Rad. -> Chem.	3	1	5	1	0	0	1	11
CBA) Chem. -> Rad. -> Surg.	3	2	1	1	0	1	1	9
AC) Surg. -> Chem.	5	0	0	1	0	1	1	8
CAC) Chem. -> Surg. -> Chem.	5	0	2	0	0	0	0	7
FC) (Rad.+Chem.) -> Chem.	1	0	1	0	5	0	0	7
FAF) (Rad.+Chem.) -> Surg. -> (Rad.+Chem.)	1	0	0	3	0	0	1	5
Others	15	11	5	5	2	1	12	51
Unknown	3	0	2	0	1	0	0	6
Total	478	334	218	162	51	36	56	1335

Nasal cavity, *etc.* : nasal cavity and paranasal sinuses (excluding the maxillary sinus).

Surg. : surgery.

Rad. : radiotherapy.

Chem. : chemotherapy.

Treatment methods in parentheses were given concurrently.

Head and Neck Carcinoma ----- 1335 Cases

Surgical Method for the Primary Lesion by Primary Site

Surgical method		(1) Oral cavity	(2) Larynx	(3) Hypo- pharynx	(4) Oro- pharynx	(5) Naso- pharynx	(6) Nasal cavity, <i>etc.</i>	(7) Maxillary sinus	Total
H0)	No surgery	90	193	94	94	43	15	10	539
A1)	Partial glossectomy	145	1	0	0	0	0	0	146
C4)	Total laryngectomy	0	69	1	0	0	0	0	70
E1)	Partial maxillectomy	26	0	0	0	2	4	12	44
C9)	Laryngectomy, other type	0	43	0	0	0	0	0	43
A2)	Hemiglossectomy	33	0	0	0	0	0	0	33
A3)	Subtotal glossectomy	24	0	0	0	0	0	0	24
D2C4H6)	Pharyngolaryngoesophagectomy	0	0	23	0	0	0	0	23
D2)	Total hypopharyngectomy	0	0	18	0	0	0	0	18
B3)	Unilateral resection of the lateral wall of the oropharynx	0	0	0	16	0	0	0	16
E3)	Total maxillectomy	2	0	0	0	0	0	13	15
H2)	Resection of the floor of mouth	14	0	0	0	0	0	0	14
D2C4G4)	Total pharyngolaryngectomy with total thyroidectomy	0	0	11	0	0	0	0	11
F2)	Marginal mandibulectomy	11	0	0	0	0	0	0	11
C2)	Partial laryngectomy	0	10	0	0	0	0	0	10
D1)	Partial hypopharyngectomy	0	0	10	0	0	0	0	10
E4)	Extended total maxillectomy	0	0	0	0	0	3	7	10
D9)	Hypopharyngectomy, other type	0	0	9	0	0	0	0	9
H9)+	Others	127	16	50	51	5	14	14	277
	Unknown	6	2	2	1	1	0	0	12
Total		478	334	218	162	51	36	56	1335

Nasal cavity, *etc.* : nasal cavity and paranasal sinuses (excluding the maxillary sinus).

Head and Neck Carcinoma ----- 1335 Cases

Treatment Method for the Cervical Lymph Nodes by Primary Site

Treatment method	(1) Oral cavity	(2) Larynx	(3) Hypo- pharynx	(4) Oro- pharynx	(5) Naso- pharynx	(6) Nasal cavity, <i>etc.</i>	(7) Maxillary sinus	Total
Surgery								
0) Without	231	257	82	83	44	32	41	770
1) With	244	74	135	78	5	4	15	555
9) Unknown	3	3	1	1	2	0	0	10
Radiotherapy								
0) Without	359	247	86	59	16	33	47	847
1) With	104	74	123	99	30	3	7	440
9) Unknown	15	13	9	4	5	0	2	48
Chemotherapy								
0) Without	402	303	144	94	24	31	45	1043
1) With	73	28	71	64	25	5	9	275
9) Unknown	3	3	3	4	2	0	2	17
Total	478	334	218	162	51	36	56	1335

Nasal cavity, *etc.* : nasal cavity and paranasal sinuses (excluding the maxillary sinus).

Head and Neck Carcinoma ----- 1335 Cases

Neck Dissection on the Ipsilateral Side by Primary Site

Neck dissection	(1) Oral cavity	(2) Larynx	(3) Hypo- pharynx	(4) Oro- pharynx	(5) Naso- pharynx	(6) Nasal cavity, <i>etc.</i>	(7) Maxillary sinus	Total
0) No N. D.	231	258	82	83	44	32	41	771
1) Radical N. D.	41	10	49	28	2	0	0	130
2) Conservative N. D.	123	49	74	40	3	1	9	299
3) Upper N. D.	57	0	0	5	0	0	5	67
4) Partial N. D.	18	13	8	3	0	0	1	43
5) Enucleation	3	1	0	1	0	1	0	6
8) Others	0	0	0	0	0	0	0	0
9) Unknown	5	3	5	2	2	2	0	19
Total	478	334	218	162	51	36	56	1335

Nasal cavity, *etc.* : nasal cavity and paranasal sinuses (excluding the maxillary sinus).

N. D. : neck dissection.

Head and Neck Carcinoma ----- 1335 Cases

Neck Dissection on the Contralateral Side by Primary Site

Neck dissection	(1) Oral cavity	(2) Larynx	(3) Hypo- pharynx	(4) Oro- pharynx	(5) Naso- pharynx	(6) Nasal cavity, <i>etc.</i>	(7) Maxillary sinus	Total
0) No N. D.	375	288	127	130	48	34	53	1055
1) Radical N. D.	2	1	6	0	0	0	0	9
2) Conservative N. D.	21	24	70	22	1	0	2	140
3) Upper N. D.	43	2	0	3	0	0	0	48
4) Partial N. D.	22	9	12	3	0	0	1	47
5) Enucleation	2	0	0	0	0	0	0	2
8) Others	0	1	0	0	0	0	0	1
9) Unknown	13	9	3	4	2	2	0	33
Total	478	334	218	162	51	36	56	1335

Nasal cavity, *etc.* : nasal cavity and paranasal sinuses (excluding the maxillary sinus).

N. D. : neck dissection.

Reconstructive Surgery by Primary Site

Reconstructive surgery	(1) Oral cavity	(2) Larynx	(3) Hypo- pharynx	(4) Oro- pharynx	(5) Naso- pharynx	(6) Nasal cavity, <i>etc.</i>	(7) Maxillary sinus	Total
0) No reconstruction	289	317	119	115	47	29	39	955
C) Free FA flap	62	7	17	12	1	0	0	99
D) Free RA MC flap	60	0	0	22	1	3	10	96
B) Free jejunal flap	1	0	68	0	0	0	0	69
5) PM MC flap	16	0	5	5	0	0	0	26
1) Skin graft	11	0	0	0	0	0	2	13
C1) Free FA flap + skin graft	9	0	1	1	0	0	0	11
3) Mucosal flap	0	6	1	1	1	0	0	9
E) Free anterolateral thigh flap	6	0	0	2	0	0	0	8
2) Local skin flap	2	3	0	0	0	1	1	7
4) DP flap	2	0	1	0	0	0	1	4
7) Gastric pullup	0	0	4	0	0	0	0	4
G) Free fibular OC flap	4	0	0	0	0	0	0	4
8)+ Others	15	1	2	3	0	2	3	26
9) Unknown	1	0	0	1	1	1	0	4
Total	478	334	218	162	51	36	56	1335

Nasal cavity, *etc.* : nasal cavity and paranasal sinuses (excluding the maxillary sinus).

FA: forearm.

RA: rectus abdominis.

MC: musculocutaneous.

PM: pectoralis major.

DP: deltopectoral.

OC: osteocutaneous.

Head and Neck Carcinoma ----- 1335 Cases

Radiotherapy by Primary Site

Type of radiotherapy	(1) Oral cavity	(2) Larynx	(3) Hypo- pharynx	(4) Oro- pharynx	(5) Naso- pharynx	(6) Nasal cavity, <i>etc.</i>	(7) Maxillary sinus	Total
0) No radiotherapy	284	74	65	34	9	12	9	487
1) X-ray	105	229	138	94	37	21	43	667
2) ⁶⁰ Co γ -ray	27	17	3	13	0	0	2	62
3) Electron beam	14	0	0	1	0	0	0	15
61) HDR B. T. with ¹⁹² Ir + X-ray	1	0	0	8	0	0	0	9
A) LDR B. T. with ¹⁹² Ir	9	0	0	0	0	0	0	9
13) X-ray + electron beam	1	1	2	2	2	0	0	8
B) LDR B. T. with ¹³⁷ Cs	7	0	0	0	0	0	0	7
D) LDR B. T. with ¹⁹⁸ Au	6	0	1	0	0	0	0	7
12) X-ray + ⁶⁰ Co γ -ray	2	1	0	1	0	0	0	4
6) HDR B. T. with ¹⁹² Ir	3	0	0	1	0	0	0	4
1B) X-ray + LDR B. T. with ¹³⁷ Cs	2	0	0	0	0	0	0	2
5) Heavy ion beam	0	0	0	0	0	1	1	2
BD) LDR B. T. with ¹³⁷ Cs and ¹⁹⁸ Au	2	0	0	0	0	0	0	2
D2) LDR B. T. with ¹⁹⁸ Au + ⁶⁰ Co γ -ray	0	0	0	2	0	0	0	2
8)+ Others	11	0	1	1	1	0	1	15
9) Unknown	4	12	8	5	2	2	0	33
Total	478	334	218	162	51	36	56	1335

Nasal cavity, *etc.* : nasal cavity and paranasal sinuses (excluding the maxillary sinus).

HDR: high dose rate.

B. T. : brachytherapy.

LDR: low dose rate.

Head and Neck Carcinoma ----- 1335 Cases

Chemotherapy by Primary Site

Route of Administration	(1) Oral cavity	(2) Larynx	(3) Hypo- pharynx	(4) Oro- pharynx	(5) Naso- pharynx	(6) Nasal cavity, <i>etc.</i>	(7) Maxillary sinus	Total
0) No chemotherapy	356	261	132	80	18	18	14	879
1) Intravenous	73	63	69	64	31	14	13	327
2) Intraarterial	27	0	5	9	1	3	27	72
3) Oral	10	4	7	5	0	0	1	27
8) Others	4	3	0	1	0	0	0	8
9) Unknown	8	3	5	3	1	1	1	22
Total	478	334	218	162	51	36	56	1335

Nasal cavity, *etc.* : nasal cavity and paranasal sinuses (excluding the maxillary sinus).

Oral Cavity

478 Cases

Carcinoma of the Oral Cavity ----- 478 Cases

Subsite

Subsite	Number of patients
1) Lip	7 (1.5%)
2) Buccal mucosa	37 (7.7%)
3) Retromolar area	8 (1.7%)
4) Lower gingiva	44 (9.2%)
5) Upper gingiva	38 (7.9%)
6) Hard palate	8 (1.7%)
7) Floor of mouth	54 (11.3%)
8) Tongue	281 (58.8%)
9) Oral cavity, NOS	1 (0.2%)
Total	478 (100.0%)

NOS: not otherwise specified.

Carcinoma of the Oral Cavity ----- 478 Cases

Age Distribution by Gender

Age	Male	Female	Unknown	Total
0 - 9	0	0	0	0
10 - 19	0	1	0	1
20 - 29	7	4	0	11
30 - 39	13	5	0	18
40 - 49	35	18	0	53
50 - 59	87	34	0	121
60 - 69	74	54	0	128
70 - 79	56	52	0	108
80 - 89	18	19	0	37
90 -	1	0	0	1
Unknown	0	0	0	0
Total	291	187	0	478

Carcinoma of the Oral Cavity ----- 478 Cases

Carcinoma of the Lip

Age Distribution by Gender

Age	Male	Female	Unknown	Total
0 - 9	0	0	0	0
10 - 19	0	0	0	0
20 - 29	0	0	0	0
30 - 39	0	0	0	0
40 - 49	0	0	0	0
50 - 59	0	0	0	0
60 - 69	1	0	0	1
70 - 79	2	2	0	4
80 - 89	0	2	0	2
90 -	0	0	0	0
Unknown	0	0	0	0
Total	3	4	0	7

Carcinoma of the Oral Cavity ----- 478 Cases

Carcinoma of the Buccal Mucosa

Age Distribution by Gender

Age	Male	Female	Unknown	Total
0 - 9	0	0	0	0
10 - 19	0	0	0	0
20 - 29	0	0	0	0
30 - 39	0	0	0	0
40 - 49	1	0	0	1
50 - 59	9	2	0	11
60 - 69	5	4	0	9
70 - 79	8	6	0	14
80 - 89	1	1	0	2
90 -	0	0	0	0
Unknown	0	0	0	0
Total	24	13	0	37

Carcinoma of the Oral Cavity ----- 478 Cases

Carcinoma of the Retromolar Area

Age Distribution by Gender

Age	Male	Female	Unknown	Total
0 - 9	0	0	0	0
10 - 19	0	0	0	0
20 - 29	0	0	0	0
30 - 39	0	0	0	0
40 - 49	0	0	0	0
50 - 59	3	1	0	4
60 - 69	1	0	0	1
70 - 79	2	1	0	3
80 - 89	0	0	0	0
90 -	0	0	0	0
Unknown	0	0	0	0
Total	6	2	0	8

Carcinoma of the Oral Cavity ----- 478 Cases

Carcinoma of the Lower Gingiva

Age Distribution by Gender

Age	Male	Female	Unknown	Total
0 - 9	0	0	0	0
10 - 19	0	0	0	0
20 - 29	0	0	0	0
30 - 39	0	0	0	0
40 - 49	2	0	0	2
50 - 59	7	4	0	11
60 - 69	5	8	0	13
70 - 79	7	7	0	14
80 - 89	3	1	0	4
90 -	0	0	0	0
Unknown	0	0	0	0
Total	24	20	0	44

Carcinoma of the Oral Cavity ----- 478 Cases

Carcinoma of the Upper Gingiva

Age Distribution by Gender

Age	Male	Female	Unknown	Total
0 - 9	0	0	0	0
10 - 19	0	0	0	0
20 - 29	1	0	0	1
30 - 39	1	0	0	1
40 - 49	1	1	0	2
50 - 59	3	1	0	4
60 - 69	5	6	0	11
70 - 79	6	7	0	13
80 - 89	3	3	0	6
90 -	0	0	0	0
Unknown	0	0	0	0
Total	20	18	0	38

Carcinoma of the Oral Cavity ----- 478 Cases

Carcinoma of the Hard Palate

Age Distribution by Gender

Age	Male	Female	Unknown	Total
0 - 9	0	0	0	0
10 - 19	0	0	0	0
20 - 29	0	0	0	0
30 - 39	0	1	0	1
40 - 49	1	0	0	1
50 - 59	0	0	0	0
60 - 69	2	0	0	2
70 - 79	0	3	0	3
80 - 89	1	0	0	1
90 -	0	0	0	0
Unknown	0	0	0	0
Total	4	4	0	8

Carcinoma of the Oral Cavity ----- 478 Cases

Carcinoma of the Floor of Mouth

Age Distribution by Gender

Age	Male	Female	Unknown	Total
0 - 9	0	0	0	0
10 - 19	0	0	0	0
20 - 29	1	0	0	1
30 - 39	0	0	0	0
40 - 49	7	1	0	8
50 - 59	11	1	0	12
60 - 69	16	0	0	16
70 - 79	13	2	0	15
80 - 89	1	1	0	2
90 -	0	0	0	0
Unknown	0	0	0	0
Total	49	5	0	54

Carcinoma of the Oral Cavity ----- 478 Cases

Carcinoma of the Tongue

Age Distribution by Gender

Age	Male	Female	Unknown	Total
0 - 9	0	0	0	0
10 - 19	0	1	0	1
20 - 29	5	4	0	9
30 - 39	12	4	0	16
40 - 49	23	16	0	39
50 - 59	54	25	0	79
60 - 69	38	36	0	74
70 - 79	18	24	0	42
80 - 89	9	11	0	20
90 -	1	0	0	1
Unknown	0	0	0	0
Total	160	121	0	281

Carcinoma of the Oral Cavity ----- 478 Cases

Carcinoma of the Oral Cavity, NOS

Age Distribution by Gender

Age	Male	Female	Unknown	Total
0 - 9	0	0	0	0
10 - 19	0	0	0	0
20 - 29	0	0	0	0
30 - 39	0	0	0	0
40 - 49	0	0	0	0
50 - 59	0	0	0	0
60 - 69	1	0	0	1
70 - 79	0	0	0	0
80 - 89	0	0	0	0
90 -	0	0	0	0
Unknown	0	0	0	0
Total	1	0	0	1

NOS: not otherwise specified.

Carcinoma of the Oral Cavity ----- 478 Cases

Histological Distribution by Subsite

Histologic type	(1) Lip	(2) Buccal mucosa	(3) Retromolar area	(4) Lower gingiva	(5) Upper gingiva	(6) Hard palate	(7) Floor of mouth	(8) Tongue	(9) Oral cavity, NOS	Total
Neoplasm, malig.	0	0	0	0	1	0	0	0	0	1
Verrucous ca., NOS	1	2	0	0	2	0	1	10	0	16
S.C.C. in situ, NOS	0	0	1	0	0	0	0	3	0	4
S.C.C., NOS	4	27	7	32	26	4	38	211	0	349
S.C.C., kerat., NOS	2	6	0	10	4	0	11	49	1	83
S.C.C., small cell, non-kerat.	0	0	0	0	1	0	0	0	0	1
S.C.C., spindle cell	0	0	0	0	0	0	0	2	0	2
S.C.C. in situ with quest. stromal invasion	0	0	0	1	0	0	0	2	0	3
S.C.C., microinvasive	0	0	0	0	0	0	0	1	0	1
Adenocarcinoma, NOS	0	0	0	0	0	1	0	0	0	1
Adenoid cystic ca.	0	1	0	0	0	1	3	3	0	8
Mucoepidermoid ca.	0	1	0	1	1	1	1	0	0	5
Acinar cell ca.	0	0	0	0	1	0	0	0	0	1
Malig. melanoma, NOS	0	0	0	0	1	0	0	0	0	1
Mixed tumor, malig., NOS	0	0	0	0	0	1	0	0	0	1
Malig. lymphoma, NOS	0	0	0	0	1	0	0	0	0	1
Total	7	37	8	44	38	8	54	281	1	478

NOS: not otherwise specified.
S.C.C.: squamous cell carcinoma.

Malig., malig.: malignant.
kerat.: keratinizing.

ca.: carcinoma.
quest.: questionable.

Carcinoma of the Oral Cavity ----- 478 Cases

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	0	0	0	0	0	0	0	0	0
Tis	2	0	0	0	0	0	0	0	0	2
T1	99	6 *	0	0	7	1	0	0	0	113
T2	123 *	30 **	0	1	38 *	10	0	0	0	202
T3	33	16	0	2	16 **	7	1	0	0	75
T4	34	16 *	0	1	17 **	11	5 *	0	0	84
TX	0	0	0	0	0	0	0	1	0	1
T-	0	0	0	0	0	0	0	0	1	1
Total	291	68	0	4	78	29	6	1	1	478

M1: 11 cases. Each * signifies one M1case.

T-: T classification not defined.

N-: N classification not defined.

Carcinoma of the Oral Cavity ----- 478 Cases

Carcinoma of the Lip

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0	0
T1	2	1	0	0	0	0	0	0	0	3
T2	2	0	0	0	0	0	0	0	0	2
T3	1	0	0	0	0	0	0	0	0	1
T4	1	0	0	0	0	0	0	0	0	1
TX	0	0	0	0	0	0	0	0	0	0
T-	0	0	0	0	0	0	0	0	0	0
Total	6	1	0	0	0	0	0	0	0	7

M1: 0 case.

T-: T classification not defined.

N-: N classification not defined.

Carcinoma of the Oral Cavity ----- 478 Cases

Carcinoma of the Buccal Mucosa

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0	0
T1	4	0	0	0	0	0	0	0	0	4
T2	4	6 **	0	0	1	0	0	0	0	11
T3	3	2	0	0	3	1	0	0	0	9
T4	7	3	0	0	1	2	0	0	0	13
TX	0	0	0	0	0	0	0	0	0	0
T-	0	0	0	0	0	0	0	0	0	0
Total	18	11	0	0	5	3	0	0	0	37

M1: 2 cases. Each * signifies one M1 case.

T-: T classification not defined.

N-: N classification not defined.

Carcinoma of the Oral Cavity ----- 478 Cases

Carcinoma of the Retromolar Area

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0	0
T1	1	0	0	0	0	0	0	0	0	1
T2	2	0	0	0	0	0	0	0	0	2
T3	0	1	0	1	0	0	0	0	0	2
T4	2	0	0	0	1	0	0	0	0	3
TX	0	0	0	0	0	0	0	0	0	0
T-	0	0	0	0	0	0	0	0	0	0
Total	5	1	0	1	1	0	0	0	0	8

M1: 0 case.

T-: T classification not defined.

N-: N classification not defined.

Carcinoma of the Oral Cavity ----- 478 Cases

Carcinoma of the Lower Gingiva

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	0	0	0	0	0	0	0	0	0
Tis	1	0	0	0	0	0	0	0	0	1
T1	1	1	0	0	1	0	0	0	0	3
T2	13	2	0	0	2	0	0	0	0	17
T3	4	0	0	1	1	1	0	0	0	7
T4	4	1	0	0	7 **	3	1	0	0	16
TX	0	0	0	0	0	0	0	0	0	0
T-	0	0	0	0	0	0	0	0	0	0
Total	23	4	0	1	11	4	1	0	0	44

M1: 2 cases. Each * signifies one M1 case.

T-: T classification not defined.

N-: N classification not defined.

Carcinoma of the Oral Cavity ----- 478 Cases

Carcinoma of the Upper Gingiva

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0	0
T1	4	0	0	0	0	0	0	0	0	4
T2	12	1	0	0	2	2	0	0	0	17
T3	1	0	0	0	0	0	0	0	0	1
T4	9	1	0	0	3	1	1 *	0	0	15
TX	0	0	0	0	0	0	0	0	0	0
T-	0	0	0	0	0	0	0	0	1	1
Total	26	2	0	0	5	3	1	0	1	38

M1: 1 case. Each * signifies one M1case.

T-: T classification not defined.

N-: N classification not defined.

Carcinoma of the Oral Cavity ----- 478 Cases

Carcinoma of the Hard Palate

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0	0
T1	2	0	0	0	0	0	0	0	0	2
T2	3	0	0	0	0	0	0	0	0	3
T3	1	0	0	0	0	0	0	0	0	1
T4	1	1	0	0	0	0	0	0	0	2
TX	0	0	0	0	0	0	0	0	0	0
T-	0	0	0	0	0	0	0	0	0	0
Total	7	1	0	0	0	0	0	0	0	8

M1: 0 case.

T-: T classification not defined.

N-: N classification not defined.

Carcinoma of the Oral Cavity ----- 478 Cases

Carcinoma of the Floor of Mouth

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0	0
T1	6	1	0	0	1	1	0	0	0	9
T2	14	4	0	0	8 *	2	0	0	0	28
T3	3	0	0	0	3	0	0	0	0	6
T4	4	2	0	1	0	2	2	0	0	11
TX	0	0	0	0	0	0	0	0	0	0
T-	0	0	0	0	0	0	0	0	0	0
Total	27	7	0	1	12	5	2	0	0	54

M1: 1 case. Each * signifies one M1case.

T-: T classification not defined.

N-: N classification not defined.

Carcinoma of the Oral Cavity ----- 478 Cases

Carcinoma of the Tongue

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	0	0	0	0	0	0	0	0	0
Tis	1	0	0	0	0	0	0	0	0	1
T1	79	3 *	0	0	5	0	0	0	0	87
T2	72 *	17	0	1	25	6	0	0	0	121
T3	20	13	0	0	9 **	5	1	0	0	48
T4	6	8 *	0	0	5	3	1	0	0	23
TX	0	0	0	0	0	0	0	1	0	1
T-	0	0	0	0	0	0	0	0	0	0
Total	178	41	0	1	44	14	2	1	0	281

M1: 5 cases. Each * signifies one M1case.

T-: T classification not defined.

N-: N classification not defined.

Carcinoma of the Oral Cavity ----- 478 Cases

Carcinoma of the Oral Cavity, NOS

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0	0
T1	0	0	0	0	0	0	0	0	0	0
T2	1	0	0	0	0	0	0	0	0	1
T3	0	0	0	0	0	0	0	0	0	0
T4	0	0	0	0	0	0	0	0	0	0
TX	0	0	0	0	0	0	0	0	0	0
T-	0	0	0	0	0	0	0	0	0	0
Total	1	0	0	0	0	0	0	0	0	1

M1: 0 case.

T-: T classification not defined.

NOS: not otherwise specified.

N-: N classification not defined.

Carcinoma of the Oral Cavity ----- 478 Cases

Treatment Method for the Primary Lesion by Subsite

Treatment method	(1) Lip	(2) Buccal mucosa	(3) Retromolar area	(4) Lower gingiva	(5) Upper gingiva	(6) Hard palate	(7) Floor of mouth	(8) Tongue	(9) Oral cavity, NOS	Total
Surgery										
0) Without	0	11	2	7	7	2	13	48	0	90
1) With	7	26	6	36	31	6	41	233	1	387
9) Unknown	0	0	0	1	0	0	0	0	0	1
Radiotherapy										
0) Without	7	17	3	26	21	5	32	179	1	291
1) With	0	20	5	17	17	3	22	102	0	186
9) Unknown	0	0	0	1	0	0	0	0	0	1
Chemotherapy										
0) Without	7	26	5	31	24	6	41	223	1	364
1) With	0	11	3	12	14	2	13	58	0	113
9) Unknown	0	0	0	1	0	0	0	0	0	1
Total	7	37	8	44	38	8	54	281	1	478

NOS: not otherwise specified.

Carcinoma of the Oral Cavity ----- 478 Cases

Sequence of Treatment Methods for the Primary Lesion by Subsite

Sequence of treatment methods	(1) Lip	(2) Buccal mucosa	(3) Retromolar area	(4) Lower gingiva	(5) Upper gingiva	(6) Hard palate	(7) Floor of mouth	(8) Tongue	(9) Oral cavity, NOS	Total
No treatment	0	1	0	4	3	0	4	3	0	15
A) Surg. alone	7	14	3	16	12	5	23	147	1	228
B) Rad. alone	0	4	1	2	2	0	5	35	0	49
AB) Surg. -> Rad.	0	2	1	2	4	1	5	21	0	36
CA) Chem. -> Surg.	0	2	0	2	5	0	4	20	0	33
BA) Rad. -> Surg.	0	5	0	7	3	0	4	13	0	32
FA) (Rad.+Chem.) -> Surg.	0	1	2	0	3	0	0	7	0	13
F) (Rad.+Chem.)	0	2	0	1	0	2	2	3	0	10
CB) Chem. -> Rad.	0	4	1	0	1	0	1	2	0	9
AC) Surg. -> Chem.	0	0	0	3	1	0	0	1	0	5
ACB) Surg. -> Chem. -> Rad.	0	0	0	1	0	0	0	4	0	5
C) Chem. alone	0	0	0	0	0	0	1	4	0	5
CAC) Chem. -> Surg. -> Chem.	0	0	0	1	0	0	0	4	0	5
CAB) Chem. -> Surg. -> Rad.	0	0	0	0	0	0	0	4	0	4
ABC) Surg. -> Rad. -> Chem.	0	0	0	1	0	0	1	1	0	3
AF) Surg. -> (Rad.+Chem.)	0	0	0	0	0	0	1	2	0	3
CBA) Chem. -> Rad. -> Surg.	0	0	0	0	0	0	2	1	0	3
BAC) Rad. -> Surg. -> Chem.	0	1	0	1	0	0	0	0	0	2
Others	0	1	0	2	3	0	1	8	0	15
Unknown	0	0	0	1	1	0	0	1	0	3
Total	7	37	8	44	38	8	54	281	1	478

NOS: not otherwise specified.

Surg.: surgery.

Rad.: radiotherapy.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Oral Cavity ----- 478 Cases

Surgical Method for the Primary Lesion by Subsite

Surgical method	(1) Lip	(2) Buccal mucosa	(3) Retromolar area	(4) Lower gingiva	(5) Upper gingiva	(6) Hard palate	(7) Floor of mouth	(8) Tongue	(9) Oral cavity, NOS	Total
H0) No surgery	0	11	2	7	7	2	13	48	0	90
A1) Partial glossectomy	0	0	0	0	0	0	0	145	0	145
A2) Hemiglossectomy	0	0	0	0	0	0	1	32	0	33
E1) Partial maxillectomy	0	0	0	0	23	3	0	0	0	26
A3) Subtotal glossectomy	0	0	0	0	0	0	1	23	0	24
H2) Resection of the floor of mouth	0	0	0	0	0	0	14	0	0	14
F2) Marginal mandibulectomy	0	0	1	10	0	0	0	0	0	11
F3) Segmental mandibulectomy	0	0	1	7	0	0	0	0	0	8
H1) Resection of the lip	6	0	0	0	0	0	0	0	0	6
H4) Resection of the buccal mucosa	0	5	1	0	0	0	0	0	0	6
A1H2) Partial glossectomy with resection of the floor of mouth	0	0	0	0	0	0	1	4	0	5
A4C4) Total glossectomy with total laryngectomy	0	0	0	0	0	0	0	5	0	5
H4F2) Resection of the buccal mucosa with marginal mandibulectomy	0	5	0	0	0	0	0	0	0	5
H9)+ Others	1	16	3	19	7	3	24	20	1	94
Unknown	0	0	0	1	1	0	0	4	0	6
Total	7	37	8	44	38	8	54	281	1	478

NOS: not otherwise specified.

Carcinoma of the Oral Cavity ----- 478 Cases

Treatment Method for the Cervical Lymph Nodes by Subsite

Treatment method	(1) Lip	(2) Buccal mucosa	(3) Retromolar area	(4) Lower gingiva	(5) Upper gingiva	(6) Hard palate	(7) Floor of mouth	(8) Tongue	(9) Oral cavity, NOS	Total
Surgery										
0) Without	5	16	3	17	26	6	20	138	0	231
1) With	2	20	5	26	12	2	34	142	1	244
9) Unknown	0	1	0	1	0	0	0	1	0	3
Radiotherapy										
0) Without	7	25	6	29	30	7	39	215	1	359
1) With	0	11	2	14	7	1	13	56	0	104
9) Unknown	0	1	0	1	1	0	2	10	0	15
Chemotherapy										
0) Without	7	29	7	36	31	7	45	239	1	402
1) With	0	6	1	8	7	1	8	42	0	73
9) Unknown	0	2	0	0	0	0	1	0	0	3
Total	7	37	8	44	38	8	54	281	1	478

NOS: not otherwise specified.

Carcinoma of the Oral Cavity ----- 478 Cases

Neck Dissection on the Ipsilateral Side by Subsite

Neck dissection	(1) Lip	(2) Buccal mucosa	(3) Retromolar area	(4) Lower gingiva	(5) Upper gingiva	(6) Hard palate	(7) Floor of mouth	(8) Tongue	(9) Oral cavity, NOS	Total
0) No N. D.	5	16	3	17	26	6	20	138	0	231
1) Radical N. D.	1	3	1	5	5	0	5	21	0	41
2) Conservative N. D.	0	11	2	10	3	0	18	79	0	123
3) Upper N. D.	1	6	2	8	3	1	7	28	1	57
4) Partial N. D.	0	0	0	3	0	0	4	11	0	18
5) Enucleation	0	0	0	0	1	1	0	1	0	3
8) Others	0	0	0	0	0	0	0	0	0	0
9) Unknown	0	1	0	1	0	0	0	3	0	5
Total	7	37	8	44	38	8	54	281	1	478

NOS: not otherwise specified.

N. D. : neck dissection.

Carcinoma of the Oral Cavity ----- 478 Cases

Neck Dissection on the Contralateral Side by Subsite

Neck dissection	(1) Lip	(2) Buccal mucosa	(3) Retromolar area	(4) Lower gingiva	(5) Upper gingiva	(6) Hard palate	(7) Floor of mouth	(8) Tongue	(9) Oral cavity, NOS	Total
0) No N. D.	7	34	8	36	34	7	32	217	0	375
1) Radical N. D.	0	0	0	0	1	0	0	1	0	2
2) Conservative N. D.	0	1	0	1	1	0	6	12	0	21
3) Upper N. D.	0	0	0	4	2	1	8	27	1	43
4) Partial N. D.	0	1	0	2	0	0	5	14	0	22
5) Enucleation	0	0	0	0	0	0	0	2	0	2
8) Others	0	0	0	0	0	0	0	0	0	0
9) Unknown	0	1	0	1	0	0	3	8	0	13
Total	7	37	8	44	38	8	54	281	1	478

NOS: not otherwise specified.

N. D. : neck dissection.

Carcinoma of the Oral Cavity ----- 478 Cases

Reconstructive Surgery by Subsite

Reconstructive surgery	(1) Lip	(2) Buccal mucosa	(3) Retromolar area	(4) Lower gingiva	(5) Upper gingiva	(6) Hard palate	(7) Floor of mouth	(8) Tongue	(9) Oral cavity, NOS	Total
0) No reconstruction	4	17	4	19	31	8	23	183	0	289
C) Free FA flap	0	8	1	4	0	0	12	37	0	62
D) Free RA MC flap	0	6	1	6	4	0	7	36	0	60
5) PM MC flap	1	0	1	2	0	0	4	8	0	16
1) Skin graft	0	2	0	2	3	0	0	4	0	11
C1) Free FA flap + skin graft	1	1	0	0	0	0	3	4	0	9
E) Free anterolateral thigh flap	0	2	0	0	0	0	0	3	1	6
G) Free fibular OC flap	0	0	0	4	0	0	0	0	0	4
2) Local skin flap	1	0	0	1	0	0	0	0	0	2
4) DP flap	0	1	0	0	0	0	1	0	0	2
54) PM MC flap + DP flap	0	0	0	0	0	0	0	2	0	2
D8) Free RA MC flap + others	0	0	0	1	0	0	1	0	0	2
F) Free scapular OC flap	0	0	0	1	0	0	1	0	0	2
G1) Free fibular OC flap + skin graft	0	0	1	1	0	0	0	0	0	2
8)+ Others	0	0	0	2	0	0	2	4	0	8
9) Unknown	0	0	0	1	0	0	0	0	0	1
Total	7	37	8	44	38	8	54	281	1	478

NOS: not otherwise specified.

MC: musculocutaneous.

DP: deltopectoral.

FA: forearm.

PM: pectoralis major.

RA: rectus abdominis.

OC: osteocutaneous.

Carcinoma of the Oral Cavity ----- 478 Cases

Radiotherapy by Subsite

Type of radiotherapy	(1) Lip	(2) Buccal mucosa	(3) Retromolar area	(4) Lower gingiva	(5) Upper gingiva	(6) Hard palate	(7) Floor of mouth	(8) Tongue	(9) Oral cavity, NOS	Total
0) No radiotherapy	7	15	3	26	20	5	32	175	1	284
1) X-ray	0	14	3	10	8	2	14	54	0	105
2) ⁶⁰ Co γ -ray	0	4	1	3	8	1	1	9	0	27
3) Electron beam	0	2	0	3	2	0	3	4	0	14
A) LDR B. T. with ¹⁹² Ir	0	1	0	0	0	0	1	7	0	9
B) LDR B. T. with ¹³⁷ Cs	0	0	0	0	0	0	0	7	0	7
D) LDR B. T. with ¹⁹⁸ Au	0	1	1	0	0	0	2	2	0	6
6) HDR B. T. with ¹⁹² Ir	0	0	0	0	0	0	0	3	0	3
12) X-ray + ⁶⁰ Co γ -ray	0	0	0	1	0	0	0	1	0	2
1B) X-ray + LDR B. T. with ¹³⁷ Cs	0	0	0	0	0	0	0	2	0	2
BD) LDR B. T. with ¹³⁷ Cs and ¹⁹⁸ Au	0	0	0	0	0	0	0	2	0	2
8)+ Others	0	0	0	0	0	0	1	12	0	13
9) Unknown	0	0	0	1	0	0	0	3	0	4
Total	7	37	8	44	38	8	54	281	1	478

NOS: not otherwise specified.
HDR: high dose rate.

LDR: low dose rate.

B. T. : brachytherapy.

Carcinoma of the Oral Cavity ----- 478 Cases

Chemotherapy by Subsite

Route of Administration	(1) Lip	(2) Buccal mucosa	(3) Retromolar area	(4) Lower gingiva	(5) Upper gingiva	(6) Hard palate	(7) Floor of mouth	(8) Tongue	(9) Oral cavity, NOS	Total
0) No chemotherapy	7	25	4	31	23	6	41	218	1	356
1) Intravenous	0	6	3	11	7	1	8	37	0	73
2) Intraarterial	0	3	0	0	5	1	3	15	0	27
3) Oral	0	0	0	1	2	0	2	5	0	10
8) Others	0	2	0	0	0	0	0	2	0	4
9) Unknown	0	1	1	1	1	0	0	4	0	8
Total	7	37	8	44	38	8	54	281	1	478

NOS: not otherwise specified.

Larynx

334 Cases

Carcinoma of the Larynx ----- 334 Cases

Subsite

Subsite	Number of patients
Glottis	235 (70.4%)
Supraglottis	88 (26.3%)
Subglottis	7 (2.1%)
Larynx, NOS	4 (1.2%)
Total	334 (100.0%)

NOS: not otherwise specified.

Carcinoma of the Larynx ----- 334 Cases

Age Distribution by Gender

Age	Male	Female	Unknown	Total
0 - 9	0	0	0	0
10 - 19	0	0	0	0
20 - 29	1	0	0	1
30 - 39	0	0	0	0
40 - 49	6	3	0	9
50 - 59	66	2	0	68
60 - 69	121	7	0	128
70 - 79	101	4	0	105
80 - 89	19	3	0	22
90 -	1	0	0	1
Unknown	0	0	0	0
Total	315	19	0	334

Carcinoma of the Larynx ----- 334 Cases

Glottic Carcinoma

Age Distribution by Gender

Age	Male	Female	Unknown	Total
0 - 9	0	0	0	0
10 - 19	0	0	0	0
20 - 29	0	0	0	0
30 - 39	0	0	0	0
40 - 49	4	3	0	7
50 - 59	45	1	0	46
60 - 69	88	2	0	90
70 - 79	71	3	0	74
80 - 89	15	2	0	17
90 -	1	0	0	1
Unknown	0	0	0	0
Total	224	11	0	235

Carcinoma of the Larynx ----- 334 Cases

Supraglottic Carcinoma

Age Distribution by Gender

Age	Male	Female	Unknown	Total
0 - 9	0	0	0	0
10 - 19	0	0	0	0
20 - 29	1	0	0	1
30 - 39	0	0	0	0
40 - 49	2	0	0	2
50 - 59	17	1	0	18
60 - 69	29	5	0	34
70 - 79	27	1	0	28
80 - 89	4	1	0	5
90 -	0	0	0	0
Unknown	0	0	0	0
Total	80	8	0	88

Carcinoma of the Larynx ----- 334 Cases

Subglottic Carcinoma

Age Distribution by Gender

Age	Male	Female	Unknown	Total
0 - 9	0	0	0	0
10 - 19	0	0	0	0
20 - 29	0	0	0	0
30 - 39	0	0	0	0
40 - 49	0	0	0	0
50 - 59	3	0	0	3
60 - 69	2	0	0	2
70 - 79	2	0	0	2
80 - 89	0	0	0	0
90 -	0	0	0	0
Unknown	0	0	0	0
Total	7	0	0	7

Carcinoma of the Larynx ----- 334 Cases

Carcinoma of the Larynx, NOS

Age Distribution by Gender

Age	Male	Female	Unknown	Total
0 - 9	0	0	0	0
10 - 19	0	0	0	0
20 - 29	0	0	0	0
30 - 39	0	0	0	0
40 - 49	0	0	0	0
50 - 59	1	0	0	1
60 - 69	2	0	0	2
70 - 79	1	0	0	1
80 - 89	0	0	0	0
90 -	0	0	0	0
Unknown	0	0	0	0
Total	4	0	0	4

NOS: not otherwise specified.

Carcinoma of the Larynx ----- 334 Cases

Histological Distribution by Subsite

Histologic type	Glottis (C32.0)	Supraglottis (C32.1)	Subglottis (C32.2)	Larynx, NOS (C32.9)	Total
Neoplasm, malig.	1	0	0	0	1
Carcinoma, NOS	1	1	0	0	2
Verrucous ca., NOS	1	0	0	0	1
S.C.C. in situ, NOS	14	1	0	0	15
S.C.C., NOS	173	75	7	3	258
S.C.C., kerat., NOS	42	4	0	1	47
S.C.C., large cell, non-kerat.	1	5	0	0	6
S.C.C., small cell, non-kerat.	0	1	0	0	1
S.C.C., spindle cell	1	1	0	0	2
Mixed tumor, malig., NOS	1	0	0	0	1
Total	235	88	7	4	334

NOS: not otherwise specified.
S.C.C.: squamous cell carcinoma.

malig.: malignant.
kerat.: keratinizing.

ca.: carcinoma.

Carcinoma of the Larynx ----- 334 Cases

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	0	0	0	0	0	0	0	0	0
Tis	7	0	0	0	0	0	0	0	0	7
T1	130	0	0	0	1	1	0	1	0	133
T2	92 *	7	0	2	2	7 *	1 *	0	0	111
T3	24	5	0	0	14	3	0	0	0	46
T4	18	3	0	1	7	5 **	2	1	0	37
TX	0	0	0	0	0	0	0	0	0	0
T-	0	0	0	0	0	0	0	0	0	0
Total	271	15	0	3	24	16	3	2	0	334

M1: 5 cases. Each * signifies one M1case.

T-: T classification not defined.

N-: N classification not defined.

Carcinoma of the Larynx ----- 334 Cases

Glottic Carcinoma

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	0	0	0	0	0	0	0	0	0
Tis	7	0	0	0	0	0	0	0	0	7
T1	3	0	0	0	0	0	0	0	0	3
T1a	86	0	0	0	0	0	0	1	0	87
T1b	29	0	0	0	1	0	0	0	0	30
T2	64 *	2	0	0	0	0	0	0	0	66
T3	17	2	0	0	4	0	0	0	0	23
T4	11	2	0	0	2	2 *	2	0	0	19
TX	0	0	0	0	0	0	0	0	0	0
T-	0	0	0	0	0	0	0	0	0	0
Total	217	6	0	0	7	2	2	1	0	235

M1: 2 cases. Each * signifies one M1case.

T-: T classification not defined.

N-: N classification not defined.

Carcinoma of the Larynx ----- 334 Cases

Supraglottic Carcinoma

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0	0
T1	11	0	0	0	0	1	0	0	0	12
T2	24	5	0	2	2	7 *	1 *	0	0	41
T3	6	2	0	0	9	3	0	0	0	20
T4	5	1	0	1	4	3 *	0	1	0	15
TX	0	0	0	0	0	0	0	0	0	0
T-	0	0	0	0	0	0	0	0	0	0
Total	46	8	0	3	15	14	1	1	0	88

M1: 3 cases. Each * signifies one M1 case.

T-: T classification not defined.

N-: N classification not defined.

Carcinoma of the Larynx ----- 334 Cases

Subglottic Carcinoma

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0	0
T1	0	0	0	0	0	0	0	0	0	0
T2	4	0	0	0	0	0	0	0	0	4
T3	1	1	0	0	0	0	0	0	0	2
T4	1	0	0	0	0	0	0	0	0	1
TX	0	0	0	0	0	0	0	0	0	0
T-	0	0	0	0	0	0	0	0	0	0
Total	6	1	0	0	0	0	0	0	0	7

M1: 0 case.

T-: T classification not defined.

N-: N classification not defined.

Carcinoma of the Larynx ----- 334 Cases

Carcinoma of the Larynx, NOS

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0	0
T1	1	0	0	0	0	0	0	0	0	1
T2	0	0	0	0	0	0	0	0	0	0
T3	0	0	0	0	1	0	0	0	0	1
T4	1	0	0	0	1	0	0	0	0	2
TX	0	0	0	0	0	0	0	0	0	0
T-	0	0	0	0	0	0	0	0	0	0
Total	2	0	0	0	2	0	0	0	0	4

M1: 0 case.

T-: T classification not defined.

NOS: not otherwise specified.

N-: N classification not defined.

Carcinoma of the Larynx ----- 334 Cases

Treatment Method for the Primary Lesion by Subsite

Treatment method	Glottis (C32.0)	Supraglottis (C32.1)	Subglottis (C32.2)	Larynx, NOS (C32.9)	Total
Surgery					
0) Without	148	41	3	1	193
1) With	87	47	4	3	141
9) Unknown	0	0	0	0	0
Radiotherapy					0
0) Without	46	23	2	4	75
1) With	188	65	5	0	258
9) Unknown	1	0	0	0	1
Chemotherapy					0
0) Without	192	63	4	4	263
1) With	43	25	3	0	71
9) Unknown	0	0	0	0	0
Total	235	88	7	4	334

NOS: not otherwise specified.

Carcinoma of the Larynx ----- 334 Cases

Sequence of Treatment Methods for the Primary Lesion by Subsite

Sequence of treatment methods	Glottis (C32.0)	Supraglottis (C32.1)	Subglottis (C32.2)	Larynx, NOS (C32.9)	Total
No treatment	6	3	0	1	10
B) Rad. alone	116	21	1	0	138
A) Surg. alone	38	19	2	3	62
F) (Rad. +Chem.)	24	12	1	0	37
AB) Surg. -> Rad.	23	10	0	0	33
BA) Rad. -> Surg.	8	9	1	0	18
AF) Surg. -> (Rad. +Chem.)	7	0	0	0	7
FA) (Rad. +Chem.) -> Surg.	4	2	0	0	6
CA) Chem. -> Surg.	2	1	0	0	3
CAB) Chem. -> Surg. -> Rad.	0	2	1	0	3
ABA) Surg. -> Rad. -> Surg.	1	1	0	0	2
CB) Chem. -> Rad.	0	2	0	0	2
CBA) Chem. -> Rad. -> Surg.	2	0	0	0	2
G) (Surg. +Rad. +Chem.)	2	0	0	0	2
Others	2	6	1	0	9
Unknown	0	0	0	0	0
Total	235	88	7	4	334

NOS: not otherwise specified.

Rad.: radiotherapy.

Surg.: surgery.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Larynx ----- 334 Cases

Treatment Method for the Primary Lesion by T Classification

Treatment method	T0	Tis	T1	T2	T3	T4	TX	T-	Total
Surgery									
0) Without	0	4	99	69	12	9	0	0	193
1) With	0	3	34	42	34	28	0	0	141
9) Unknown	0	0	0	0	0	0	0	0	0
Radiotherapy									
0) Without	0	1	16	14	22	22	0	0	75
1) With	0	6	116	97	24	15	0	0	258
9) Unknown	0	0	1	0	0	0	0	0	1
Chemotherapy									
0) Without	0	3	122	70	39	29	0	0	263
1) With	0	4	11	41	7	8	0	0	71
9) Unknown	0	0	0	0	0	0	0	0	0
Total	0	7	133	111	46	37	0	0	334

T-: T classification not defined.

Carcinoma of the Larynx ----- 334 Cases

Sequence of Treatment Methods for the Primary Lesion by T Classification

Sequence of treatment methods	T0	Tis	T1	T2	T3	T4	TX	T-	Total
No treatment	0	0	2	3	3	2	0	0	10
B) Rad. alone	0	1	88	41	7	1	0	0	138
A) Surg. alone	0	1	14	11	17	19	0	0	62
F) (Rad. +Chem.)	0	3	7	21	2	4	0	0	37
AB) Surg. -> Rad.	0	1	16	5	4	7	0	0	33
BA) Rad. -> Surg.	0	0	2	8	8	0	0	0	18
AF) Surg. -> (Rad. +Chem.)	0	1	2	4	0	0	0	0	7
FA) (Rad. +Chem.) -> Surg.	0	0	0	5	1	0	0	0	6
CA) Chem. -> Surg.	0	0	0	0	2	1	0	0	3
CAB) Chem. -> Surg. -> Rad.	0	0	0	2	1	0	0	0	3
ABA) Surg. -> Rad. -> Surg.	0	0	0	2	0	0	0	0	2
CB) Chem. -> Rad.	0	0	1	1	0	0	0	0	2
CBA) Chem. -> Rad. -> Surg.	0	0	0	0	1	1	0	0	2
G) (Surg. +Rad. +Chem.)	0	0	0	2	0	0	0	0	2
Others	0	0	1	6	0	2	0	0	9
Unknown	0	0	0	0	0	0	0	0	0
Total	0	7	133	111	46	37	0	0	334

T-: T classification not defined.

Rad.: radiotherapy.

Surg.: surgery.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Larynx ----- 334 Cases

Glottic Carcinoma

Treatment Method for the Primary Lesion by T Classification

Treatment method	T0	Tis	T1	T1a	T1b	T2	T3	T4	TX	T-	Total
Surgery											
0) Without	0	4	1	67	20	45	6	5	0	0	148
1) With	0	3	2	20	10	21	17	14	0	0	87
9) Unknown	0	0	0	0	0	0	0	0	0	0	0
Radiotherapy											
0) Without	0	1	2	11	1	6	14	11	0	0	46
1) With	0	6	1	75	29	60	9	8	0	0	188
9) Unknown	0	0	0	1	0	0	0	0	0	0	1
Chemotherapy											
0) Without	0	3	3	82	28	42	19	15	0	0	192
1) With	0	4	0	5	2	24	4	4	0	0	43
9) Unknown	0	0	0	0	0	0	0	0	0	0	0
Total	0	7	3	87	30	66	23	19	0	0	235

T-: T classification not defined.

Carcinoma of the Larynx ----- 334 Cases

Glottic Carcinoma

Sequence of Treatment Methods for the Primary Lesion by T Classification

Sequence of treatment methods	T0	Tis	T1	T1a	T1b	T2	T3	T4	TX	T-	Total
No treatment	0	0	0	1	0	1	2	2	0	0	6
B) Rad. alone	0	1	1	62	19	30	3	0	0	0	116
A) Surg. alone	0	1	2	10	1	5	10	9	0	0	38
F) (Rad. +Chem.)	0	3	0	4	0	14	1	2	0	0	24
AB) Surg. -> Rad.	0	1	0	7	8	2	1	4	0	0	23
BA) Rad. -> Surg.	0	0	0	2	0	3	3	0	0	0	8
AF) Surg. -> (Rad. +Chem.)	0	1	0	1	1	4	0	0	0	0	7
FA) (Rad. +Chem.) -> Surg.	0	0	0	0	0	4	0	0	0	0	4
CA) Chem. -> Surg.	0	0	0	0	0	0	2	0	0	0	2
CBA) Chem. -> Rad. -> Surg.	0	0	0	0	0	0	1	1	0	0	2
G) (Surg. +Rad. +Chem.)	0	0	0	0	0	2	0	0	0	0	2
ABA) Surg. -> Rad. -> Surg.	0	0	0	0	0	1	0	0	0	0	1
BC) Rad. -> Chem.	0	0	0	0	1	0	0	0	0	0	1
FB) (Rad. +Chem.) -> Rad.	0	0	0	0	0	0	0	1	0	0	1
Unknown	0	0	0	0	0	0	0	0	0	0	0
Total	0	7	3	87	30	66	23	19	0	0	235

T-: T classification not defined.

Rad. : radiotherapy.

Surg. : surgery.

Chem. : chemotherapy.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Larynx ----- 334 Cases

Supraglottic Carcinoma

Treatment Method for the Primary Lesion by T Classification

Treatment method	T0	Tis	T1	T2	T3	T4	TX	T-	Total
Surgery									
0) Without	0	0	10	21	6	4	0	0	41
1) With	0	0	2	20	14	11	0	0	47
9) Unknown	0	0	0	0	0	0	0	0	0
Radiotherapy									
0) Without	0	0	1	8	6	8	0	0	23
1) With	0	0	11	33	14	7	0	0	65
9) Unknown	0	0	0	0	0	0	0	0	0
Chemotherapy									
0) Without	0	0	8	26	18	11	0	0	63
1) With	0	0	4	15	2	4	0	0	25
9) Unknown	0	0	0	0	0	0	0	0	0
Total	0	0	12	41	20	15	0	0	88

T-: T classification not defined.

Carcinoma of the Larynx ----- 334 Cases

Supraglottic Carcinoma

Sequence of Treatment Methods for the Primary Lesion by T Classification

Sequence of treatment methods	T0	Tis	T1	T2	T3	T4	TX	T-	Total
No treatment	0	0	0	2	1	0	0	0	3
B) Rad. alone	0	0	6	10	4	1	0	0	21
A) Surg. alone	0	0	1	6	5	7	0	0	19
F) (Rad. +Chem.)	0	0	3	6	1	2	0	0	12
AB) Surg. -> Rad.	0	0	1	3	3	3	0	0	10
BA) Rad. -> Surg.	0	0	0	4	5	0	0	0	9
CAB) Chem. -> Surg. -> Rad.	0	0	0	2	0	0	0	0	2
CB) Chem. -> Rad.	0	0	1	1	0	0	0	0	2
FA) (Rad. +Chem.) -> Surg.	0	0	0	1	1	0	0	0	2
Others	0	0	0	6	0	2	0	0	8
Unknown	0	0	0	0	0	0	0	0	0
Total	0	0	12	41	20	15	0	0	88

T-: T classification not defined.

Rad.: radiotherapy.

Surg.: surgery.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Larynx ----- 334 Cases

Subglottic Carcinoma

Treatment Method for the Primary Lesion by T Classification

Treatment method	T0	Tis	T1	T2	T3	T4	TX	T-	Total
Surgery									
0) Without	0	0	0	3	0	0	0	0	3
1) With	0	0	0	1	2	1	0	0	4
9) Unknown	0	0	0	0	0	0	0	0	0
Radiotherapy									
0) Without	0	0	0	0	1	1	0	0	2
1) With	0	0	0	4	1	0	0	0	5
9) Unknown	0	0	0	0	0	0	0	0	0
Chemotherapy									
0) Without	0	0	0	2	1	1	0	0	4
1) With	0	0	0	2	1	0	0	0	3
9) Unknown	0	0	0	0	0	0	0	0	0
Total	0	0	0	4	2	1	0	0	7

T-: T classification not defined.

Carcinoma of the Larynx ----- 334 Cases

Subglottic Carcinoma

Sequence of Treatment Methods for the Primary Lesion by T Classification

Sequence of treatment methods	T0	Tis	T1	T2	T3	T4	TX	T-	Total
No treatment	0	0	0	0	0	0	0	0	0
A) Surg. alone	0	0	0	0	1	1	0	0	2
B) Rad. alone	0	0	0	1	0	0	0	0	1
BA) Rad. -> Surg.	0	0	0	1	0	0	0	0	1
BF) Rad. -> (Rad. +Chem.)	0	0	0	1	0	0	0	0	1
CAB) Chem. -> Surg. -> Rad.	0	0	0	0	1	0	0	0	1
F) (Rad. +Chem.)	0	0	0	1	0	0	0	0	1
Unknown	0	0	0	0	0	0	0	0	0
Total	0	0	0	4	2	1	0	0	7

T-: T classification not defined.

Surg.: surgery.

Rad.: radiotherapy.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Larynx ----- 334 Cases

Carcinoma of the Larynx, NOS

Treatment Method for the Primary Lesion by T Classification

Treatment method	T0	Tis	T1	T2	T3	T4	TX	T-	Total
Surgery									
0) Without	0	0	1	0	0	0	0	0	1
1) With	0	0	0	0	1	2	0	0	3
9) Unknown	0	0	0	0	0	0	0	0	0
Radiotherapy									
0) Without	0	0	1	0	1	2	0	0	4
1) With	0	0	0	0	0	0	0	0	0
9) Unknown	0	0	0	0	0	0	0	0	0
Chemotherapy									
0) Without	0	0	1	0	1	2	0	0	4
1) With	0	0	0	0	0	0	0	0	0
9) Unknown	0	0	0	0	0	0	0	0	0
Total	0	0	1	0	1	2	0	0	4

NOS: not otherwise specified.

T-: T classification not defined.

Carcinoma of the Larynx ----- 334 Cases

Carcinoma of the Larynx, NOS

Sequence of Treatment Methods for the Primary Lesion by T Classification

Sequence of treatment methods	T0	Tis	T1	T2	T3	T4	TX	T-	Total
No treatment	0	0	1	0	0	0	0	0	1
A) Surg. alone	0	0	0	0	1	2	0	0	3
Unknown	0	0	0	0	0	0	0	0	0
Total	0	0	1	0	1	2	0	0	4

NOS: not otherwise specified.

T-: T classification not defined.

Surg.: surgery.

Carcinoma of the Larynx ----- 334 Cases

Surgical Method for the Primary Lesion by Subsite

Surgical method		Glottis (C32.0)	Supraglottis (C32.1)	Subglottis (C32.2)	Larynx, NOS (C32.9)	Total
H0)	No surgery	148	41	3	1	193
C4)	Total laryngectomy	33	32	2	2	69
C9)	Laryngectomy, other type	38	5	0	0	43
C2)	Partial laryngectomy	6	4	0	0	10
C4G2)	Total laryngectomy with thyroid lobectomy	4	1	0	1	6
C3)	Subtotal laryngectomy	2	2	1	0	5
A1)	Partial glossectomy	1	0	0	0	1
C2C9)	Partial laryngectomy with laryngectomy, other type	1	0	0	0	1
C4B1)	Total laryngectomy with partial resection of the base of tongue	0	1	0	0	1
C4D1G2)	Total laryngectomy with partial hypopharyngectomy and thyroid lobectomy	0	1	0	0	1
C4H8G3)	Total laryngectomy with subtotal thyroidectomy and skin resection	0	0	1	0	1
H9)	Others	1	0	0	0	1
	Unknown	1	1	0	0	2
Total		235	88	7	4	334

NOS: not otherwise specified.

Carcinoma of the Larynx ----- 334 Cases

Surgical Method for the Primary Lesion by T Classification

Surgical method		T0	Tis	T1	T2	T3	T4	TX	T-	Total
H0)	No surgery	0	4	99	69	12	9	0	0	193
C4)	Total laryngectomy	0	0	1	21	25	22	0	0	69
C9)	Laryngectomy, other type	0	2	28	13	0	0	0	0	43
C2)	Partial laryngectomy	0	0	3	6	1	0	0	0	10
C4G2)	Total laryngectomy with thyroid lobectomy	0	0	0	0	3	3	0	0	6
C3)	Subtotal laryngectomy	0	0	0	1	3	1	0	0	5
A1)	Partial glossectomy	0	0	1	0	0	0	0	0	1
C2C9)	Partial laryngectomy with laryngectomy, other type	0	0	0	1	0	0	0	0	1
C4B1)	Total laryngectomy with partial resection of the base of tongue	0	0	0	0	1	0	0	0	1
C4D1G2)	Total laryngectomy with partial hypopharyngectomy and thyroid lobectomy	0	0	0	0	0	1	0	0	1
C4H8G3)	Total laryngectomy with subtotal thyroidectomy and skin resection	0	0	0	0	0	1	0	0	1
H9)	Others	0	1	0	0	0	0	0	0	1
	Unknown	0	0	1	0	1	0	0	0	2
Total		0	7	133	111	46	37	0	0	334

T-: T classification not defined.

Carcinoma of the Larynx ----- 334 Cases

Glottic Carcinoma

Surgical Method for the Primary Lesion by T Classification

Surgical method		T0	Tis	T1	T1a	T1b	T2	T3	T4	TX	T-	Total
H0)	No surgery	0	4	1	67	20	45	6	5	0	0	148
C9)	Laryngectomy, other type	0	2	1	17	9	9	0	0	0	0	38
C4)	Total laryngectomy	0	0	0	1	0	7	13	12	0	0	33
C2)	Partial laryngectomy	0	0	0	1	1	3	1	0	0	0	6
C4G2)	Total laryngectomy with thyroid lobectomy	0	0	0	0	0	0	2	2	0	0	4
C3)	Subtotal laryngectomy	0	0	0	0	0	1	1	0	0	0	2
A1)	Partial glossectomy	0	0	1	0	0	0	0	0	0	0	1
C2C9)	Partial laryngectomy with laryngectomy, other type	0	0	0	0	0	1	0	0	0	0	1
H9)	Others	0	1	0	0	0	0	0	0	0	0	1
	Unknown	0	0	0	1	0	0	0	0	0	0	1
Total		0	7	3	87	30	66	23	19	0	0	235

T-: T classification not defined.

Carcinoma of the Larynx ----- 334 Cases

Supraglottic Carcinoma

Surgical Method for the Primary Lesion by T Classification

Surgical method		T0	Tis	T1	T2	T3	T4	TX	T-	Total
H0)	No surgery	0	0	10	21	6	4	0	0	41
C4)	Total laryngectomy	0	0	0	13	10	9	0	0	32
C9)	Laryngectomy, other type	0	0	1	4	0	0	0	0	5
C2)	Partial laryngectomy	0	0	1	3	0	0	0	0	4
C3)	Subtotal laryngectomy	0	0	0	0	1	1	0	0	2
C4B1)	Total laryngectomy with partial resection of the base of tongue	0	0	0	0	1	0	0	0	1
C4D1G2)	Total laryngectomy with partial hypopharyngectomy and thyroid lobectomy	0	0	0	0	0	1	0	0	1
C4G2)	Total laryngectomy with thyroid lobectomy	0	0	0	0	1	0	0	0	1
	Unknown	0	0	0	0	1	0	0	0	1
Total		0	0	12	41	20	15	0	0	88

T-: T classification not defined.

Carcinoma of the Larynx ----- 334 Cases

Subglottic Carcinoma

Surgical Method for the Primary Lesion by T Classification

Surgical method		T0	Tis	T1	T2	T3	T4	TX	T-	Total
H0)	No surgery	0	0	0	3	0	0	0	0	3
C4)	Total laryngectomy	0	0	0	1	1	0	0	0	2
C3)	Subtotal laryngectomy	0	0	0	0	1	0	0	0	1
C4H8G3)	Total laryngectomy with subtotal thyroidectomy and skin resection	0	0	0	0	0	1	0	0	1
	Unknown	0	0	0	0	0	0	0	0	0
Total		0	0	0	4	2	1	0	0	7

T-: T classification not defined.

Carcinoma of the Larynx ----- 334 Cases

Carcinoma of the Larynx, NOS

Surgical Method for the Primary Lesion by T Classification

Surgical method		T0	Tis	T1	T2	T3	T4	TX	T-	Total
H0)	No surgery	0	0	1	0	0	0	0	0	1
C4)	Total laryngectomy	0	0	0	0	1	1	0	0	2
C4G2)	Total laryngectomy with thyroid lobectomy	0	0	0	0	0	1	0	0	1
	Unknown	0	0	0	0	0	0	0	0	0
Total		0	0	1	0	1	2	0	0	4

NOS: not otherwise specified.

T-: T classification not defined.

Carcinoma of the Larynx ----- 334 Cases

Treatment Method for the Cervical Lymph Nodes by Subsite

Treatment method	Glottis (C32.0)	Supraglottis (C32.1)	Subglottis (C32.2)	Larynx, NOS (C32.9)	Total
Surgery					
0) Without	205	46	4	2	257
1) With	29	40	3	2	74
9) Unknown	1	2	0	0	3
Radiotherapy					
0) Without	190	49	4	4	247
1) With	33	38	3	0	74
9) Unknown	12	1	0	0	13
Chemotherapy					
0) Without	224	70	5	4	303
1) With	10	16	2	0	28
9) Unknown	1	2	0	0	3
Total	235	88	7	4	334

NOS: not otherwise specified.

Carcinoma of the Larynx ----- 334 Cases

Neck Dissection on the Ipsilateral Side by Subsite

Neck dissection	Glottis (C32.0)	Supraglottis (C32.1)	Subglottis (C32.2)	Larynx, NOS (C32.9)	Total
0) No N.D.	205	47	4	2	258
1) Radical N.D.	2	8	0	0	10
2) Conservative N.D.	16	28	3	2	49
3) Upper N.D.	0	0	0	0	0
4) Partial N.D.	11	2	0	0	13
5) Enucleation	0	1	0	0	1
8) Others	0	0	0	0	0
9) Unknown	1	2	0	0	3
Total	235	88	7	4	334

NOS: not otherwise specified.

N.D.: neck dissection.

Carcinoma of the Larynx ----- 334 Cases

Neck Dissection on the Contralateral Side by Subsite

Neck dissection	Glottis (C32.0)	Supraglottis (C32.1)	Subglottis (C32.2)	Larynx, NOS (C32.9)	Total
0) No N.D.	223	57	4	4	288
1) Radical N.D.	0	1	0	0	1
2) Conservative N.D.	4	18	2	0	24
3) Upper N.D.	1	0	1	0	2
4) Partial N.D.	5	4	0	0	9
5) Enucleation	0	0	0	0	0
8) Others	1	0	0	0	1
9) Unknown	1	8	0	0	9
Total	235	88	7	4	334

NOS: not otherwise specified.

N.D.: neck dissection.

Carcinoma of the Larynx ----- 334 Cases

Reconstructive Surgery by Subsite

Reconstructive surgery	Glottis (C32.0)	Supraglottis (C32.1)	Subglottis (C32.2)	Larynx, NOS (C32.9)	Total
0) No reconstruction	225	82	6	4	317
C) Free FA flap	2	5	0	0	7
3) Mucosal flap	4	1	1	0	6
2) Local skin flap	3	0	0	0	3
8) Others	1	0	0	0	1
9) Unknown	0	0	0	0	0
Total	235	88	7	4	334

NOS: not otherwise specified.

FA: forearm.

Carcinoma of the Larynx ----- 334 Cases

Radiotherapy by Subsite

Type of radiotherapy	Glottis (C32.0)	Supraglottis (C32.1)	Subglottis (C32.2)	Larynx, NOS (C32.9)	Total
0) No radiotherapy	46	22	2	4	74
1) X-ray	171	53	5	0	229
2) ⁶⁰ Co γ -ray	11	6	0	0	17
12) X-ray + ⁶⁰ Co γ -ray	0	1	0	0	1
13) X-ray + electron beam	0	1	0	0	1
9) Unknown	7	5	0	0	12
Total	235	88	7	4	334

NOS: not otherwise specified.

Carcinoma of the Larynx ----- 334 Cases

Chemotherapy by Subsite

Route of Administration	Glottis (C32.0)	Supraglottis (C32.1)	Subglottis (C32.2)	Larynx, NOS (C32.9)	Total
0) No chemotherapy	191	62	4	4	261
1) Intravenous	39	21	3	0	63
2) Intraarterial	0	0	0	0	0
3) Oral	2	2	0	0	4
8) Others	1	2	0	0	3
9) Unknown	2	1	0	0	3
Total	235	88	7	4	334

NOS: not otherwise specified.

Hypopharynx

218 Cases

Carcinoma of the Hypopharynx ----- 218 Cases

Subsite

Subsite	Number of patients
Postcricoid	22 (10.1%)
Pyriiform sinus	167 (76.6%)
Posterior wall	25 (11.5%)
Hypopharynx, NOS	4 (1.8%)
Total	218 (100.0%)

NOS: not otherwise specified.

Carcinoma of the Hypopharynx ----- 218 Cases

Age Distribution by Gender

Age	Male	Female	Unknown	Total
0 - 9	0	0	0	0
10 - 19	0	0	0	0
20 - 29	0	0	0	0
30 - 39	2	0	0	2
40 - 49	10	2	0	12
50 - 59	60	5	0	65
60 - 69	71	3	0	74
70 - 79	55	5	0	60
80 - 89	3	2	0	5
90 -	0	0	0	0
Unknown	0	0	0	0
Total	201	17	0	218

Carcinoma of the Hypopharynx ----- 218 Cases

Histological Distribution by Subsite

Histologic type	Postcricoid (C13.0)	Pyriiform sinus (C12.9)	Posterior wall (C13.2)	Hypopharynx, NOS (C13.9)	Total
Ca., undiff., NOS	0	1	1	0	2
S.C.C. in situ, NOS	0	0	1	0	1
S.C.C., NOS	19	155	21	4	199
S.C.C., kerat., NOS	2	11	2	0	15
S.C.C., large cell, non-kerat.	1	0	0	0	1
Total	22	167	25	4	218

NOS: not otherwise specified.
S.C.C.: squamous cell carcinoma.

Ca., ca.: carcinoma.
kerat.: keratinizing.

undiff.: undifferentiated.

Carcinoma of the Hypopharynx ----- 218 Cases

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	0	0	0	0	0	0	0	0	0
Tis	1	0	0	0	0	0	0	0	0	1
T1	15	8	0	3	7	0	2	0	0	35
T2	25	11 *	0	0	13	12	7	0	0	68
T3	7	17	0	4	19 *	22	3	0	0	72
T4	8	5 **	1	0	9 *	12 *	6 *	0	0	41
TX	0	0	0	1	0	0	0	0	0	1
T-	0	0	0	0	0	0	0	0	0	0
Total	56	41	1	8	48	46	18	0	0	218

M1: 7 cases. Each * signifies one M1case.

T-: T classification not defined.

N-: N classification not defined.

Carcinoma of the Hypopharynx ----- 218 Cases

Treatment Method for the Primary Lesion by Subsite

Treatment method	Posterioricoid (C13.0)	Pyriiform sinus (C12.9)	Posterior wall (C13.2)	Hypopharynx, NOS (C13.9)	Total
Surgery					
0) Without	7	74	11	2	94
1) With	15	93	14	2	124
9) Unknown	0	0	0	0	0
Radiotherapy					
0) Without	10	59	8	1	78
1) With	12	107	17	3	139
9) Unknown	0	1	0	0	1
Chemotherapy					
0) Without	12	115	10	1	138
1) With	10	52	15	3	80
9) Unknown	0	0	0	0	0
Total	22	167	25	4	218

NOS: not otherwise specified.

Carcinoma of the Hypopharynx ----- 218 Cases

Sequence of Treatment Methods for the Primary Lesion by Subsite

Sequence of treatment methods	Postcricoid (C13.0)	Pyriiform sinus (C12.9)	Posterior wall (C13.2)	Hypopharynx, NOS (C13.9)	Total
No treatment	0	14	2	0	16
A) Surg. alone	7	40	5	0	52
B) Rad. alone	1	34	2	1	38
AB) Surg. -> Rad.	4	25	1	0	30
F) (Rad.+Chem.)	3	15	4	0	22
CB) Chem. -> Rad.	1	7	2	1	11
CAB) Chem. -> Surg. -> Rad.	1	7	2	0	10
CA) Chem. -> Surg.	2	5	0	0	7
FA) (Rad.+Chem.) -> Surg.	0	4	2	1	7
ABC) Surg. -> Rad. -> Chem.	1	2	2	0	5
ACB) Surg. -> Chem. -> Rad.	0	2	0	0	2
BA) Rad. -> Surg.	0	2	0	0	2
BC) Rad. -> Chem.	0	2	0	0	2
C) Chem. alone	1	1	0	0	2
CAC) Chem. -> Surg. -> Chem.	0	0	1	1	2
Others	0	6	2	0	8
Unknown	1	1	0	0	2
Total	22	167	25	4	218

NOS: not otherwise specified.

Surg. : surgery.

Rad. : radiotherapy.

Chem. : chemotherapy.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Hypopharynx ----- 218 Cases

Surgical Method for the Primary Lesion by Subsite

Surgical method		Posterioricoid (C13.0)	Pyriiform sinus (C12.9)	Posterior wall (C13.2)	Hypopharynx, NOS (C13.9)	Total
H0)	No surgery	7	74	11	2	94
D2C4H6)	Pharyngolaryngoesophagectomy	4	15	4	0	23
D2)	Total hypopharyngectomy	0	17	1	0	18
D2C4G4)	Total pharyngolaryngectomy with total thyroidectomy	3	6	2	0	11
D1)	Partial hypopharyngectomy	1	6	2	1	10
D9)	Hypopharyngectomy, other type	0	9	0	0	9
D1C4G2)	Partial hypopharyngectomy with total laryngectomy and thyroid lobectomy	0	8	0	0	8
D1C4)	Partial hypopharyngectomy with total laryngectomy	0	5	0	0	5
D2C4)	Total pharyngolaryngectomy	0	4	1	0	5
D1C2)	Partial hypopharyngectomy with partial laryngectomy	0	4	0	0	4
D2C4G2)	Total pharyngolaryngectomy with thyroid lobectomy	2	2	0	0	4
H9)+	Others	5	16	4	0	25
	Unknown	0	1	0	1	2
Total		22	167	25	4	218

NOS: not otherwise specified.

Carcinoma of the Hypopharynx ----- 218 Cases

Treatment Method for the Cervical Lymph Nodes by Subsite

Treatment method	Posterioricoid (C13.0)	Pyriiform sinus (C12.9)	Posterior wall (C13.2)	Hypopharynx, NOS (C13.9)	Total
Surgery					
0) Without	7	64	9	2	82
1) With	15	102	16	2	135
9) Unknown	0	1	0	0	1
Radiotherapy					
0) Without	12	62	9	3	86
1) With	9	99	14	1	123
9) Unknown	1	6	2	0	9
Chemotherapy					
0) Without	13	115	14	2	144
1) With	9	50	10	2	71
9) Unknown	0	2	1	0	3
Total	22	167	25	4	218

NOS: not otherwise specified.

Carcinoma of the Hypopharynx ----- 218 Cases

Neck Dissection on the Ipsilateral Side by Subsite

Neck dissection	Postcricoid (C13. 0)	Pyriform sinus (C12. 9)	Posterior wall (C13. 2)	Hypopharynx, NOS (C13. 9)	Total
0) No N. D.	7	64	9	2	82
1) Radical N. D.	4	40	4	1	49
2) Conservative N. D.	9	55	9	1	74
3) Upper N. D.	0	0	0	0	0
4) Partial N. D.	2	4	2	0	8
5) Enucleation	0	0	0	0	0
8) Others	0	0	0	0	0
9) Unknown	0	4	1	0	5
Total	22	167	25	4	218

NOS: not otherwise specified.

N. D. : neck dissection.

Carcinoma of the Hypopharynx ----- 218 Cases

Neck Dissection on the Contralateral Side by Subsite

Neck dissection	Postericoid (C13. 0)	Pyriform sinus (C12. 9)	Posterior wall (C13. 2)	Hypopharynx, NOS (C13. 9)	Total
0) No N. D.	7	103	14	3	127
1) Radical N. D.	2	4	0	0	6
2) Conservative N. D.	11	48	10	1	70
3) Upper N. D.	0	0	0	0	0
4) Partial N. D.	2	9	1	0	12
5) Enucleation	0	0	0	0	0
8) Others	0	0	0	0	0
9) Unknown	0	3	0	0	3
Total	22	167	25	4	218

NOS: not otherwise specified.

N. D. : neck dissection.

Carcinoma of the Hypopharynx ----- 218 Cases

Reconstructive Surgery by Subsite

Reconstructive surgery	Postcricoid (C13.0)	Pyriiform sinus (C12.9)	Posterior wall (C13.2)	Hypopharynx, NOS (C13.9)	Total
0) No reconstruction	8	98	11	2	119
B) Free jejunal flap	12	47	9	0	68
C) Free FA flap	0	14	2	1	17
5) PM MC flap	1	4	0	0	5
7) Gastric pullup	0	2	2	0	4
3) Mucosal flap	0	1	0	0	1
4) DP flap	0	0	0	1	1
B5) Free jejunal flap + PM MC flap	0	1	0	0	1
C1) Free FA flap + skin graft	0	0	1	0	1
8) Others	1	0	0	0	1
9) Unknown	0	0	0	0	0
Total	22	167	25	4	218

NOS: not otherwise specified.
MC: musculocutaneous.

FA: forearm.
DP: deltopectoral.

PM: pectoralis major.

Carcinoma of the Hypopharynx ----- 218 Cases

Radiotherapy by Subsite

Type of radiotherapy	Postcricoid (C13. 0)	Pyriiform sinus (C12. 9)	Posterior wall (C13. 2)	Hypopharynx, NOS (C13. 9)	Total
0) No radiotherapy	10	48	6	1	65
1) X-ray	11	106	18	3	138
2) ⁶⁰ Co γ-ray	0	3	0	0	3
13) X-ray + electron beam	0	2	0	0	2
21) ⁶⁰ Co γ-ray + X-ray	0	1	0	0	1
D) LDR B.T. with ¹⁹⁸ Au	0	1	0	0	1
9) Unknown	1	6	1	0	8
Total	22	167	25	4	218

NOS: not otherwise specified.

LDR: low dose rate.

B.T. : brachytherapy.

Carcinoma of the Hypopharynx ----- 218 Cases

Chemotherapy by Subsite

Route of Administration	Posterioricoid (C13.0)	Pyriiform sinus (C12.9)	Posterior wall (C13.2)	Hypopharynx, NOS (C13.9)	Total
0) No chemotherapy	12	109	10	1	132
1) Intravenous	7	45	14	3	69
2) Intraarterial	2	3	0	0	5
3) Oral	1	5	1	0	7
8) Others	0	0	0	0	0
9) Unknown	0	5	0	0	5
Total	22	167	25	4	218

NOS: not otherwise specified.

Oropharynx

162 Cases

Carcinoma of the Oropharynx ----- 162 Cases

Subsite

Subsite	Number of patients
Soft palate	17 (10.5%)
Lateral wall	105 (64.8%)
Posterior wall	7 (4.3%)
Base of tongue	31 (19.1%)
Oropharynx, NOS	2 (1.2%)
Total	162 (100.0%)

NOS: not otherwise specified.

Carcinoma of the Oropharynx ----- 162 Cases

Age Distribution by Gender

Age	Male	Female	Unknown	Total
0 - 9	0	0	0	0
10 - 19	0	0	0	0
20 - 29	0	0	0	0
30 - 39	0	0	0	0
40 - 49	7	2	0	9
50 - 59	52	3	0	55
60 - 69	44	8	0	52
70 - 79	34	3	0	37
80 - 89	8	1	0	9
90 -	0	0	0	0
Unknown	0	0	0	0
Total	145	17	0	162

Carcinoma of the Oropharynx ----- 162 Cases

Histological Distribution by Subsite

Histologic type	Soft palate	Lateral wall	Posterior wall	Base of tongue	Oropharynx, NOS	Total
Neoplasm, malign.	0	1	0	0	0	1
Ca., undiff., NOS	1	4	0	0	0	5
Verrucous ca., NOS	0	1	0	0	0	1
Papillary S.C.C.	0	1	0	0	0	1
S.C.C., NOS	14	83	6	27	2	132
S.C.C., kerat., NOS	1	10	1	3	0	15
S.C.C., large cell, non-kerat.	0	3	0	0	0	3
Adenocarcinoma, NOS	0	1	0	0	0	1
Adenoid cystic ca.	1	0	0	1	0	2
Adenosquamous ca.	0	1	0	0	0	1
Total	17	105	7	31	2	162

NOS: not otherwise specified.
undiff.: undifferentiated.

malign.: malignant.
S.C.C.: squamous cell carcinoma.

Ca., ca.: carcinoma.
kerat.: keratinizing.

Carcinoma of the Oropharynx ----- 162 Cases

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	0	0	0	1	0	0	0	0	1
Tis	0	0	0	0	0	0	0	0	0	0
T1	7	2	0	1	0	1	1	1	0	13
T2	24 *	15 *	0	13	17 *	2	3	0	0	74
T3	9	11	0	4	10	11 ***	1	0	0	46
T4	9 *	4	0	2	5 *	3 *	5	0	0	28
TX	0	0	0	0	0	0	0	0	0	0
T-	0	0	0	0	0	0	0	0	0	0
Total	49	32	0	20	33	17	10	1	0	162

M1: 9 cases. Each * signifies one M1 case.

T-: T classification not defined.

N-: N classification not defined.

Carcinoma of the Oropharynx ----- 162 Cases

Treatment Method for the Primary Lesion by Subsite

Treatment method	Soft palate	Lateral wall	Posterior wall	Base of tongue	Oropharynx, NOS	Total
Surgery						
0) Without	8	63	5	17	1	94
1) With	9	42	2	14	1	68
9) Unknown	0	0	0	0	0	0
Radiotherapy						
0) Without	5	25	0	5	0	35
1) With	12	79	7	26	2	126
9) Unknown	0	1	0	0	0	1
Chemotherapy						
0) Without	5	62	2	14	1	84
1) With	12	43	5	17	1	78
9) Unknown	0	0	0	0	0	0
Total	17	105	7	31	2	162

NOS: not otherwise specified.

Carcinoma of the Oropharynx ----- 162 Cases

Sequence of Treatment Methods for the Primary Lesion by Subsite

Sequence of treatment methods	Soft palate	Lateral wall	Posterior wall	Base of tongue	Oropharynx, NOS	Total
No treatment	0	5	0	0	0	5
B) Rad. alone	1	29	1	5	0	36
F) (Rad. +Chem.)	4	17	1	8	1	31
A) Surg. alone	3	16	0	3	0	22
AB) Surg. -> Rad.	1	9	1	4	0	15
CB) Chem. -> Rad.	1	7	2	2	0	12
BA) Rad. -> Surg.	0	3	0	2	1	6
ACB) Surg. -> Chem. -> Rad.	1	2	0	1	0	4
BC) Rad. -> Chem.	0	2	1	1	0	4
CA) Chem. -> Surg.	2	1	0	1	0	4
FA) (Rad. +Chem.) -> Surg.	0	3	1	0	0	4
C) Chem. alone	0	2	0	1	0	3
CAB) Chem. -> Surg. -> Rad.	1	0	0	2	0	3
FAF) (Rad. +Chem.) -> Surg. -> (Rad. +Chem.)	0	3	0	0	0	3
AF) Surg. -> (Rad. +Chem.)	0	1	0	1	0	2
FB) (Rad. +Chem.) -> Rad.	1	1	0	0	0	2
others	2	4	0	0	0	6
Unknown	0	0	0	0	0	0
Total	17	105	7	31	2	162

NOS: not otherwise specified.

Rad. : radiotherapy.

Chem. : chemotherapy.

Surg. : surgery.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Oropharynx ----- 162 Cases

Surgical Method for the Primary Lesion by Subsite

Surgical method		Soft palate	Lateral wall	Posterior wall	Base of tongue	Oropharynx, NOS	Total
H0)	No surgery	8	63	5	17	1	94
B3)	Unilateral resection of the lateral wall of the oropharynx	0	16	0	0	0	16
B9)	Resection of the oropharynx, other type	1	6	0	1	0	8
A4C4)	Total glossectomy with total laryngectomy	0	0	0	3	0	3
B1)	Partial resection of the base of tongue	0	0	0	2	0	2
B3A4C4)	Unilateral resection of the lateral wall of the oropharynx with total glossectomy and total laryngectomy	0	2	0	0	0	2
B3B1)	Unilateral resection of the lateral wall of the oropharynx with partial resection of the base of tongue	0	0	0	2	0	2
B7)	Hemiresection of the soft palate	2	0	0	0	0	2
B9C4)	Resection of the oropharynx, other type with total laryngectomy	0	1	1	0	0	2
H9)+	Others	6	16	1	6	1	30
	Unknown	0	1	0	0	0	1
Total		17	105	7	31	2	162

NOS: not otherwise specified.

Carcinoma of the Oropharynx ----- 162 Cases

Treatment Method for the Cervical Lymph Nodes by Subsite

Treatment method	Soft palate	Lateral wall	Posterior wall	Base of tongue	Oropharynx, NOS	Total
Surgery						
0) Without	8	58	4	12	1	83
1) With	9	47	2	19	1	78
9) Unknown	0	0	1	0	0	1
Radiotherapy						
0) Without	8	39	1	11	0	59
1) With	8	64	5	20	2	99
9) Unknown	1	2	1	0	0	4
Chemotherapy						
0) Without	6	67	3	17	1	94
1) With	10	36	3	14	1	64
9) Unknown	1	2	1	0	0	4
Total	17	105	7	31	2	162

NOS: not otherwise specified.

Carcinoma of the Oropharynx ----- 162 Cases

Neck Dissection on the Ipsilateral Side by Subsite

Neck dissection	Soft palate	Lateral wall	Posterior wall	Base of tongue	Oropharynx, NOS	Total
0) No N.D.	8	58	4	12	1	83
1) Radical N.D.	3	16	1	7	1	28
2) Conservative N.D.	4	25	1	10	0	40
3) Upper N.D.	1	4	0	0	0	5
4) Partial N.D.	1	1	0	1	0	3
5) Enucleation	0	1	0	0	0	1
8) Others	0	0	0	0	0	0
9) Unknown	0	0	1	1	0	2
Total	17	105	7	31	2	162

NOS: not otherwise specified.

N.D. : neck dissection.

Carcinoma of the Oropharynx ----- 162 Cases

Neck Dissection on the Contralateral Side by Subsite

Neck dissection	Soft palate	Lateral wall	Posterior wall	Base of tongue	Oropharynx, NOS	Total
0) No N.D.	15	89	4	20	2	130
1) Radical N.D.	0	0	0	0	0	0
2) Conservative N.D.	2	12	2	6	0	22
3) Upper N.D.	0	1	0	2	0	3
4) Partial N.D.	0	1	0	2	0	3
5) Enucleation	0	0	0	0	0	0
8) Others	0	0	0	0	0	0
9) Unknown	0	2	1	1	0	4
Total	17	105	7	31	2	162

NOS: not otherwise specified.

N.D. : neck dissection.

Carcinoma of the Oropharynx ----- 162 Cases

Reconstructive Surgery by Subsite

Reconstructive surgery	Soft palate	Lateral wall	Posterior wall	Base of tongue	Oropharynx, NOS	Total
0) No reconstruction	12	78	5	19	1	115
D) Free RA MC flap	1	15	0	6	0	22
C) Free FA flap	3	6	1	2	0	12
5) PM MC flap	0	3	0	2	0	5
E) Free anterolateral thigh flap	0	1	0	1	0	2
3) Mucosal flap	1	0	0	0	0	1
7B) Gastric pullup + Free jejunal flap	0	0	1	0	0	1
B2) Free jejunal flap + local skin flap	0	1	0	0	0	1
C1) Free FA flap + skin graft	0	0	0	0	1	1
E4) Free anterolateral thigh flap + DP flap	0	0	0	1	0	1
9) Unknown	0	1	0	0	0	1
Total	17	105	7	31	2	162

NOS: not otherwise specified.
FA: forearm.

RA: rectus abdominis.
PM: pectoralis major.

MC: musculocutaneous.
DP: deltopectoral.

Carcinoma of the Oropharynx ----- 162 Cases

Radiotherapy by Subsite

Type of radiotherapy	Soft palate	Lateral wall	Posterior wall	Base of tongue	Oropharynx, NOS	Total
0) No radiotherapy	5	24	0	5	0	34
1) X-ray	9	58	7	19	1	94
2) ⁶⁰ Co γ -ray	1	8	0	4	0	13
61) HDR B.T. with ¹⁹² Ir + X-ray	0	6	0	2	0	8
13) X-ray + electron beam	0	2	0	0	0	2
D2) LDR B.T. with ¹⁹⁸ Au + ⁶⁰ Co γ -ray	1	1	0	0	0	2
12) X-ray + ⁶⁰ Co γ -ray	0	0	0	1	0	1
3) Electron beam	0	0	0	0	1	1
6) HDR B.T. with ¹⁹² Ir	0	1	0	0	0	1
D1) LDR B.T. with ¹⁹⁸ Au + X-ray	0	1	0	0	0	1
9) Unknown	1	4	0	0	0	5
Total	17	105	7	31	2	162

NOS: not otherwise specified.
LDR: low dose rate.

HDR: high dose rate.

B.T. : brachytherapy.

Carcinoma of the Oropharynx ----- 162 Cases

Chemotherapy by Subsite

Route of Administration	Soft palate	Lateral wall	Posterior wall	Base of tongue	Oropharynx, NOS	Total
0) No chemotherapy	5	59	2	13	1	80
1) Intravenous	9	35	4	15	1	64
2) Intraarterial	3	4	1	1	0	9
3) Oral	0	3	0	2	0	5
8) Others	0	1	0	0	0	1
9) Unknown	0	3	0	0	0	3
Total	17	105	7	31	2	162

NOS: not otherwise specified.

Nasopharynx

51 Cases

Carcinoma of the Nasopharynx ----- 51 Cases

Subsite

Subsite	Number of patients
Postero-superior wall	26 (51.0%)
Lateral wall	13 (25.5%)
Inferior wall	6 (11.8%)
Nasopharynx, NOS	6 (11.8%)
Total	51 (100.0%)

NOS: not otherwise specified.

Carcinoma of the Nasopharynx ----- 51 Cases

Age Distribution by Gender

Age	Male	Female	Unknown	Total
0 - 9	0	0	0	0
10 - 19	0	1	0	1
20 - 29	3	0	0	3
30 - 39	2	0	0	2
40 - 49	7	4	0	11
50 - 59	13	1	0	14
60 - 69	9	1	0	10
70 - 79	7	3	0	10
80 - 89	0	0	0	0
90 -	0	0	0	0
Unknown	0	0	0	0
Total	41	10	0	51

Carcinoma of the Nasopharynx ----- 51 Cases

Histological Distribution by Primary Site

Histologic type	Postero- superior wall	Lateral wall	Inferior wall	Nasopharynx, NOS	Total
Neoplasm, malig.	0	0	0	1	1
Carcinoma, NOS	1	1	0	0	2
Ca., undiff., NOS	6	2	0	1	9
S.C.C. in situ, NOS	0	0	1	0	1
S.C.C., NOS	14	9	3	4	30
S.C.C., kerat., NOS	1	1	0	0	2
S.C.C., large cell, non-kerat.	2	0	0	0	2
Adenoid cystic ca.	1	0	0	0	1
Mucoepidermoid ca.	1	0	1	0	2
Malig. melanoma, NOS	0	0	1	0	1
Total	26	13	6	6	51

NOS: not otherwise specified.
undiff.: undifferentiated.

Malig., malig.: malignant.
S.C.C.: squamous cell carcinoma.

Ca., ca.: carcinoma.
kerat.: keratinizing.

Carcinoma of the Nasopharynx ----- 51 Cases

T and N Status

	N0	N1	N2	N3	NX	N-	Total
T0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0
T1	6	9	3	1	0	0	19
T2	0	4	0	0	0	0	4
T2a	0	0	1	1	0	0	2
T2b	2	3	0	0	1	0	6
T3	1	1	1	2	0	0	5
T4	4 *	6	2 **	1	0	0	13
TX	2	0	0	0	0	0	2
T-	0	0	0	0	0	0	0
Total	15	23	7	5	1	0	51

M1: 3 cases. Each * signifies one M1 case.

T-: T classification not defined.

N-: N classification not defined.

Carcinoma of the Nasopharynx ----- 51 Cases

Treatment Method for the Primary Lesion by Subsite

Treatment method	Postero- superior wall	Lateral wall	Inferior wall	Nasopharynx, NOS	Total
Surgery					
0) Without	24	12	1	6	43
1) With	1	1	5	0	7
9) Unknown	1	0	0	0	1
Radiotherapy					
0) Without	1	4	3	1	9
1) With	24	9	3	5	41
9) Unknown	1	0	0	0	1
Chemotherapy					
0) Without	7	2	5	4	18
1) With	18	11	1	2	32
9) Unknown	1	0	0	0	1
Total	26	13	6	6	51

NOS: not otherwise specified.

Carcinoma of the Nasopharynx ----- 51 Cases

Sequence of Treatment Methods for the Primary Lesion by Subsite

Sequence of treatment methods	Postero- superior wall	Lateral wall	Inferior wall	Nasopharynx, NOS	Total
No treatment	1	0	0	1	2
F) (Rad. +Chem.)	10	4	0	2	16
B) Rad. alone	6	1	1	3	11
FC) (Rad. +Chem.) -> Chem.	5	0	0	0	5
C) Chem. alone	0	4	0	0	4
AB) Surg. -> Rad.	0	1	2	0	3
CB) Chem. -> Rad.	0	3	0	0	3
A) Surg. alone	0	0	2	0	2
BC) Rad. -> Chem.	2	0	0	0	2
ACC) Surg. -> Chem. -> Chem.	0	0	1	0	1
DC) (Surg. +Rad.) -> Chem.	1	0	0	0	1
Unknown	1	0	0	0	1
Total	26	13	6	6	51

NOS: not otherwise specified.

Rad. : radiotherapy.

Chem. : chemotherapy.

Surg. : surgery.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Nasopharynx ----- 51 Cases

Surgical Method for the Primary Lesion by Subsite

Surgical method	Postero- superior wall	Lateral wall	Inferior wall	Nasopharynx, NOS	Total
H0) No surgery	24	12	1	6	43
E1) Partial maxillectomy	0	0	2	0	2
B6) Partial resection of the soft palate	0	0	1	0	1
B7F2) Hemiresection of the soft palate with marginal mandibulectomy	0	0	1	0	1
H9) Others	1	1	1	0	3
Unknown	1	0	0	0	1
Total	26	13	6	6	51

NOS: not otherwise specified.

Carcinoma of the Nasopharynx ----- 51 Cases

Treatment Method for the Cervical Lymph Nodes by Subsite

Treatment method	Postero- superior wall	Lateral wall	Inferior wall	Nasopharynx, NOS	Total
Surgery					
0) Without	22	13	3	6	44
1) With	2	0	3	0	5
9) Unknown	2	0	0	0	2
Radiotherapy					
0) Without	3	6	5	2	16
1) With	20	6	0	4	30
9) Unknown	3	1	1	0	5
Chemotherapy					
0) Without	9	5	5	5	24
1) With	15	8	1	1	25
9) Unknown	2	0	0	0	2
Total	26	13	6	6	51

NOS: not otherwise specified.

Carcinoma of the Nasopharynx ----- 51 Cases

Neck Dissection on the Ipsilateral Side by Subsite

Neck dissection	Postero- superior wall	Lateral wall	Inferior wall	Nasopharynx, NOS	Total
0) No N.D.	22	13	3	6	44
1) Radical N.D.	1	0	1	0	2
2) Conservative N.D.	1	0	2	0	3
3) Upper N.D.	0	0	0	0	0
4) Partial N.D.	0	0	0	0	0
5) Enucleation	0	0	0	0	0
8) Others	0	0	0	0	0
9) Unknown	2	0	0	0	2
Total	26	13	6	6	51

NOS: not otherwise specified.

N.D. : neck dissection.

Carcinoma of the Nasopharynx ----- 51 Cases

Neck Dissection on the Contralateral Side by Subsite

Neck dissection	Postero- superior wall	Lateral wall	Inferior wall	Nasopharynx, NOS	Total
0) No N.D.	23	13	6	6	48
1) Radical N.D.	0	0	0	0	0
2) Conservative N.D.	1	0	0	0	1
3) Upper N.D.	0	0	0	0	0
4) Partial N.D.	0	0	0	0	0
5) Enucleation	0	0	0	0	0
8) Others	0	0	0	0	0
9) Unknown	2	0	0	0	2
Total	26	13	6	6	51

NOS: not otherwise specified.

N.D. : neck dissection.

Carcinoma of the Nasopharynx ----- 51 Cases

Reconstructive Surgery by Subsite

Reconstructive surgery	Postero- superior wall	Lateral wall	Inferior wall	Nasopharynx, NOS	Total
0) No reconstruction	24	13	4	6	47
3) Mucosal flap	1	0	0	0	1
C) Free FA flap	0	0	1	0	1
D) Free RA MC flap	0	0	1	0	1
9) Unknown	1	0	0	0	1
Total	26	13	6	6	51

NOS: not otherwise specified.
MC: musculocutaneous.

FA: forearm.

RA: rectus abdominis.

Carcinoma of the Nasopharynx ----- 51 Cases

Radiotherapy by Subsite

Type of radiotherapy	Postero- superior wall	Lateral wall	Inferior wall	Nasopharynx, NOS	Total
0) No radiotherapy	1	4	3	1	9
1) X-ray	22	9	2	4	37
13) X-ray + electron beam	1	0	0	1	2
D3) LDR B.T. with ¹⁹⁸ Au + electron beam	0	0	1	0	1
9) Unknown	2	0	0	0	2
Total	26	13	6	6	51

NOS: not otherwise specified.

LDR: low dose rate.

B.T. : brachytherapy.

Carcinoma of the Nasopharynx ----- 51 Cases

Chemotherapy by Subsite

Route of Administration	Postero- superior wall	Lateral wall	Inferior wall	Nasopharynx, NOS	Total
0) No chemotherapy	7	2	5	4	18
1) Intravenous	17	11	1	2	31
2) Intraarterial	1	0	0	0	1
3) Oral	0	0	0	0	0
8) Others	0	0	0	0	0
9) Unknown	1	0	0	0	1
Total	26	13	6	6	51

NOS: not otherwise specified.

Nasal Cavity and Paranasal Sinuses
(Excluding the Maxillary Sinus)

36 Cases

arcinoma of the Nasal Cavity and Paranasal Sinuses ----- 36 Cases

Subsite

Subsite	Number of patients
Nasal cavity	20 (55.6%)
Ethmoid sinus	14 (38.9%)
Frontal sinus	1 (2.8%)
Sphenoid sinus	1 (2.8%)
Paranasal sinus, NOS	0 (0.0%)
Total	36 (100.0%)

NOS: not otherwise specified.

Carcinoma of the Nasal Cavity and Paranasal Sinuses ----- 36 Cases

Age Distribution by Gender

Age	Male	Female	Unknown	Total
0 - 9	0	0	0	0
10 - 19	0	0	0	0
20 - 29	0	0	0	0
30 - 39	0	0	0	0
40 - 49	3	0	0	3
50 - 59	8	2	0	10
60 - 69	9	4	0	13
70 - 79	6	3	0	9
80 - 89	1	0	0	1
90 -	0	0	0	0
Unknown	0	0	0	0
Total	27	9	0	36

Carcinoma of the Nasal Cavity and Paranasal Sinuses ----- 36 Cases

Histological Distribution by Subsite

Histologic type	Nasal cavity (C30.0)	Ethmoid sinus (C31.1)	Frontal sinus (C31.2)	Sphenoid sinus (C31.3)	Paranasal sinus, NOS (C31.9)	Total
Neoplasm, malig.	1	1	0	0	0	2
Carcinoma, NOS	1	1	0	0	0	2
Ca., undiff., NOS	0	1	0	0	0	1
S.C.C., NOS	8	6	1	1	0	16
S.C.C., kerat., NOS	1	3	0	0	0	4
Adenocarcinoma, NOS	1	0	0	0	0	1
Adenoid cystic ca.	2	1	0	0	0	3
Mucoepidermoid ca.	1	0	0	0	0	1
Malig. melanoma, NOS	5	1	0	0	0	6
Total	20	14	1	1	0	36

NOS: not otherwise specified.
undiff.: undifferentiated.

Malig., malig.: malignant.
S.C.C.: squamous cell carcinoma.

Ca., ca.: carcinoma.
kerat.: keratinizing.

Carcinoma of the Nasal Cavity and Paranasal Sinuses ----- 36 Cases

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0	0
T1	0	0	0	0	0	0	0	0	0	0
T2	2	0	0	0	0	0	0	0	0	2
T3	1	0	0	0	0	0	0	0	0	1
T4	10 **	0	0	0	0	0	0	0	0	10
TX	0	0	0	0	0	0	0	1	0	1
T-	19	0	0	0	0	1	0	2	0	22
Total	32	0	0	0	0	1	0	3	0	36

M1: 2 cases. Each * signifies one M1case.

T-: T classification not defined.

N-: N classification not defined.

Carcinoma of the Nasal Cavity and Paranasal Sinuses ----- 36 Cases

Treatment Method for the Primary Lesion by Subsite

Treatment method	Nasal cavity (C30.0)	Ethmoid sinus (C31.1)	Frontal sinus (C31.2)	Sphenoid sinus (C31.3)	Paranasal sinus, NOS (C31.9)	Total
Surgery						
0) Without	7	7	0	1	0	15
1) With	13	7	1	0	0	21
9) Unknown	0	0	0	0	0	0
Radiotherapy						
0) Without	8	3	1	0	0	12
1) With	12	11	0	1	0	24
9) Unknown	0	0	0	0	0	0
Chemotherapy						
0) Without	12	6	1	0	0	19
1) With	8	8	0	1	0	17
9) Unknown	0	0	0	0	0	0
Total	20	14	1	1	0	36

NOS: not otherwise specified.

Carcinoma of the Nasal Cavity and Paranasal Sinuses ----- 36 Cases

Sequence of Treatment Methods for the Primary Lesion by Subsite

Sequence of treatment methods	Nasal cavity (C30.0)	Ethmoid sinus (C31.1)	Frontal sinus (C31.2)	Sphenoid sinus (C31.3)	Paranasal sinus, NOS (C31.9)	Total
No treatment	0	1	0	0	0	1
A) Surg. alone	7	2	1	0	0	10
F) (Rad.+Chem.)	3	3	0	0	0	6
B) Rad. alone	2	2	0	0	0	4
AB) Surg. -> Rad.	3	0	0	0	0	3
ACB) Surg. -> Chem. -> Rad.	0	2	0	0	0	2
BC) Rad. -> Chem.	2	0	0	0	0	2
CB) Chem. -> Rad.	0	1	0	1	0	2
AC) Surg. -> Chem.	1	0	0	0	0	1
AF) Surg. -> (Rad.+Chem.)	0	1	0	0	0	1
BA) Rad. -> Surg.	0	1	0	0	0	1
BAAC) Rad. -> Surg. -> Surg. -> Chem.	1	0	0	0	0	1
CBA) Chem. -> Rad. -> Surg.	0	1	0	0	0	1
FA) (Rad.+Chem.) -> Surg.	1	0	0	0	0	1
Unknown	0	0	0	0	0	0
Total	20	14	1	1	0	36

NOS: not otherwise specified.

Surg.: surgery.

Rad.: radiotherapy.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Nasal Cavity and Paranasal Sinuses ----- 36 Cases

Surgical Method for the Primary Lesion by Subsite

Surgical method	Nasal cavity (C30.0)	Ethmoid sinus (C31.1)	Frontal sinus (C31.2)	Sphenoid sinus (C31.3)	Paranasal sinus, NOS (C31.9)	Total
H0) No surgery	7	7	0	1	0	15
E1) Partial maxillectomy	3	1	0	0	0	4
E4) Extended total maxillectomy	1	2	0	0	0	3
H5) Skull base surgery	0	2	1	0	0	3
E9) Maxillectomy, other type	2	0	0	0	0	2
H9) Others	7	2	0	0	0	9
Unknown	0	0	0	0	0	0
Total	20	14	1	1	0	36

NOS: not otherwise specified.

Carcinoma of the Nasal Cavity and Paranasal Sinuses ----- 36 Cases

Treatment Method for the Cervical Lymph Nodes by Subsite

Treatment method	Nasal cavity (C30.0)	Ethmoid sinus (C31.1)	Frontal sinus (C31.2)	Sphenoid sinus (C31.3)	Paranasal sinus, NOS (C31.9)	Total
Surgery						
0) Without	19	11	1	1	0	32
1) With	1	3	0	0	0	4
9) Unknown	0	0	0	0	0	0
Radiotherapy						
0) Without	20	11	1	1	0	33
1) With	0	3	0	0	0	3
9) Unknown	0	0	0	0	0	0
Chemotherapy						
0) Without	19	11	1	0	0	31
1) With	1	3	0	1	0	5
9) Unknown	0	0	0	0	0	0
Total	20	14	1	1	0	36

NOS: not otherwise specified.

Carcinoma of the Nasal Cavity and Paranasal Sinuses ----- 36 Cases

Neck Dissection on the Ipsilateral Side by Subsite

Neck dissection	Nasal cavity (C30.0)	Ethmoid sinus (C31.1)	Frontal sinus (C31.2)	Sphenoid sinus (C31.3)	Paranasal sinus, NOS (C31.9)	Total
0) No N.D.	19	11	1	1	0	32
1) Radical N.D.	0	0	0	0	0	0
2) Conservative N.D.	1	0	0	0	0	1
3) Upper N.D.	0	0	0	0	0	0
4) Partial N.D.	0	0	0	0	0	0
5) Enucleation	0	1	0	0	0	1
8) Others	0	0	0	0	0	0
9) Unknown	0	2	0	0	0	2
Total	20	14	1	1	0	36

NOS: not otherwise specified.

N.D. : neck dissection.

Carcinoma of the Nasal Cavity and Paranasal Sinuses ----- 36 Cases

Neck Dissection on the Contralateral Side by Subsite

Neck dissection	Nasal cavity (C30.0)	Ethmoid sinus (C31.1)	Frontal sinus (C31.2)	Sphenoid sinus (C31.3)	Paranasal sinus, NOS (C31.9)	Total
0) No N.D.	20	12	1	1	0	34
1) Radical N.D.	0	0	0	0	0	0
2) Conservative N.D.	0	0	0	0	0	0
3) Upper N.D.	0	0	0	0	0	0
4) Partial N.D.	0	0	0	0	0	0
5) Enucleation	0	0	0	0	0	0
8) Others	0	0	0	0	0	0
9) Unknown	0	2	0	0	0	2
Total	20	14	1	1	0	36

NOS: not otherwise specified.

N.D. : neck dissection.

Carcinoma of the Nasal Cavity and Paranasal Sinuses ----- 36 Cases

Reconstructive Surgery by Subsite

Reconstructive surgery	Nasal cavity (C30.0)	Ethmoid sinus (C31.1)	Frontal sinus (C31.2)	Sphenoid sinus (C31.3)	Paranasal sinus, NOS (C31.9)	Total
0) No reconstruction	18	10	0	1	0	29
D) Free RA MC flap	0	3	0	0	0	3
2) Local skin flap	1	0	0	0	0	1
C8) Free FA flap + others	1	0	0	0	0	1
8) Others	0	0	1	0	0	1
9) Unknown	0	1	0	0	0	1
Total	20	14	1	1	0	36

NOS: not otherwise specified.
FA: forearm.

RA: rectus abdominis.

MC: musculocutaneous.

Carcinoma of the Nasal Cavity and Paranasal Sinuses ----- 36 Cases

Radiotherapy by Subsite

Type of radiotherapy	Nasal cavity (C30.0)	Ethmoid sinus (C31.1)	Frontal sinus (C31.2)	Sphenoid sinus (C31.3)	Paranasal sinus, NOS (C31.9)	Total
0) No radiotherapy	8	3	1	0	0	12
1) X-ray	11	9	0	1	0	21
5) Heavy ion beam	1	0	0	0	0	1
9) Unknown	0	2	0	0	0	2
Total	20	14	1	1	0	36

NOS: not otherwise specified.

Carcinoma of the Nasal Cavity and Paranasal Sinuses ----- 36 Cases

Chemotherapy by Subsite

Route of Administration	Nasal cavity (C30.0)	Ethmoid sinus (C31.1)	Frontal sinus (C31.2)	Sphenoid sinus (C31.3)	Paranasal sinus, NOS (C31.9)	Total
0) No chemotherapy	11	6	1	0	0	18
1) Intravenous	7	6	0	1	0	14
2) Intraarterial	1	2	0	0	0	3
3) Oral	0	0	0	0	0	0
8) Others	0	0	0	0	0	0
9) Unknown	1	0	0	0	0	1
Total	20	14	1	1	0	36

NOS: not otherwise specified.

Maxillary Sinus

56 Cases

Carcinoma of the Maxillary Sinus ----- 56 Cases

Age Distribution by Gender

Age	Male	Female	Unknown	Total
0 - 9	1	0	0	1
10 - 19	0	0	0	0
20 - 29	0	1	0	1
30 - 39	0	0	0	0
40 - 49	5	2	0	7
50 - 59	14	4	0	18
60 - 69	7	5	0	12
70 - 79	7	7	0	14
80 - 89	0	2	0	2
90 -	1	0	0	1
Unknown	0	0	0	0
Total	35	21	0	56

Carcinoma of the Maxillary Sinus ----- 56 Cases

Histological Distribution

Histologic type	Number of patients
Neoplasm, malign.	4 (7.1%)
Carcinoma, NOS	1 (1.8%)
Ca., undiff., NOS	1 (1.8%)
S.C.C., NOS	38 (67.9%)
S.C.C., kerat., NOS	4 (7.1%)
S.C.C., large cell, non-kerat.	1 (1.8%)
Adenoid cystic ca.	2 (3.6%)
Adenosquamous ca.	3 (5.4%)
Malig. melanoma, NOS	2 (3.6%)
Total	56 (100.0%)

Malig., malign.: malignant.
 NOS: not otherwise specified.
 Ca., ca.: carcinoma.
 undiff.: undifferentiated.
 S.C.C.: squamous cell carcinoma.
 kerat.: keratinizing.

Carcinoma of the Maxillary Sinus ----- 56 Cases

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0	0
T1	0	0	0	0	0	0	0	0	0	0
T2	3	2	0	0	0	0	0	0	0	5
T3	20	1	0	0	0	1	0	0	0	22
T4	20	1	0	0	3	3	0	0	0	27
TX	0	1	0	0	0	0	0	1	0	2
T-	0	0	0	0	0	0	0	0	0	0
Total	43	5	0	0	3	4	0	1	0	56

M1: 0 case.

T-: T classification not defined.

N-: N classification not defined.

Carcinoma of the Maxillary Sinus ----- 56 Cases

Treatment Method for the Primary Lesion

Treatment method	Number of patients
Surgery	
0) Without	10 (17.9%)
1) With	46 (82.1%)
9) Unknown	0 (0.0%)
Radiotherapy	
0) Without	9 (16.1%)
1) With	47 (83.9%)
9) Unknown	0 (0.0%)
Chemotherapy	
0) Without	14 (25.0%)
1) With	42 (75.0%)
9) Unknown	0 (0.0%)
Total	56 (100.0%)

Carcinoma of the Maxillary Sinus ----- 56 Cases

Sequence of Treatment Methods for the Primary Lesion

Sequence of treatment methods	Number of patients
No treatment	0 (0.0%)
CAB) Chem. -> Surg. -> Rad.	9 (16.1%)
FA) (Rad. +Chem.) -> Surg.	6 (10.7%)
A) Surg. alone	4 (7.1%)
AB) Surg. -> Rad.	4 (7.1%)
F) (Rad. +Chem.)	4 (7.1%)
AF) Surg. -> (Rad. +Chem.)	3 (5.4%)
B) Rad. alone	3 (5.4%)
BA) Rad. -> Surg.	2 (3.6%)
BAFA) Rad. -> Surg. -> (Rad. +Chem.) -> Surg.	2 (3.6%)
CA) Chem. -> Surg.	2 (3.6%)
FAB) (Rad. +Chem.) -> Surg. -> Rad.	2 (3.6%)
Others	15 (26.8%)
Unknown	0 (0.0%)
Total	56 (100.0%)

Chem. : chemotherapy.

Surg. : surgery.

Rad. : radiotherapy.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Maxillary Sinus ----- 56 Cases

Surgical Method for the Primary Lesion

Surgical method		Number of patients
H0)	No surgery	10 (17.9%)
E3)	Total maxillectomy	13 (23.2%)
E1)	Partial maxillectomy	12 (21.4%)
E4)	Extended total maxillectomy	7 (12.5%)
E9)	Maxillectomy, other type	5 (8.9%)
E9E1)	Maxillectomy, other type with partial maxillectomy	3 (5.4%)
E4H5)	Extended total maxillectomy with skull base surgery	2 (3.6%)
E1H8H9)	Partial maxillectomy with skin resection and others	1 (1.8%)
H9)	Others	3 (5.4%)
	Unknown	0 (0.0%)
Total		56 (100.0%)

Carcinoma of the Maxillary Sinus ----- 56 Cases

Treatment Method for the Cervical Lymph Nodes

Treatment method	Number of patients
Surgery	
0) Without	41 (73.2%)
1) With	15 (26.8%)
9) Unknown	0 (0.0%)
Radiotherapy	
0) Without	47 (83.9%)
1) With	7 (12.5%)
9) Unknown	2 (3.6%)
Chemotherapy	
0) Without	45 (80.4%)
1) With	9 (16.1%)
9) Unknown	2 (3.6%)
Total	56 (100.0%)

Carcinoma of the Maxillary Sinus ----- 56 Cases

Neck Dissection on the Ipsilateral Side

Neck dissection	Number of patients
0) No N.D.	41 (73.2%)
1) Radical N.D.	0 (0.0%)
2) Conservative N.D.	9 (16.1%)
3) Upper N.D.	5 (8.9%)
4) Partial N.D.	1 (1.8%)
5) Enucleation	0 (0.0%)
8) Others	0 (0.0%)
9) Unknown	0 (0.0%)
Total	56 (100.0%)

N.D. : neck dissection.

Carcinoma of the Maxillary Sinus ----- 56 Cases

Neck Dissection on the Contralateral Side

Neck dissection	Number of patients
0) No N.D.	53 (94.6%)
1) Radical N.D.	0 (0.0%)
2) Conservative N.D.	2 (3.6%)
3) Upper N.D.	0 (0.0%)
4) Partial N.D.	1 (1.8%)
5) Enucleation	0 (0.0%)
8) Others	0 (0.0%)
9) Unknown	0 (0.0%)
Total	56 (100.0%)

N.D. : neck dissection.

Carcinoma of the Maxillary Sinus ----- 56 Cases

Reconstructive Surgery

Reconstructive surgery	Number of patients
0) No reconstruction	39 (69.6%)
D) Free RA MC flap	10 (17.9%)
1) Skin graft	2 (3.6%)
2) Local skin flap	1 (1.8%)
4) DP flap	1 (1.8%)
CD) Free FA flap + Free RA MC flap	1 (1.8%)
D2) Free RA MC flap + local skin flap	1 (1.8%)
D8) Free RA MC flap + others	1 (1.8%)
9) Unknown	0 (0.0%)
Total	56 (100.0%)

RA: rectus abdominis.
 MC: musculocutaneous.
 DP: deltopectoral.
 FA: forearm.

Carcinoma of the Maxillary Sinus ----- 56 Cases

Radiotherapy

Type of radiotherapy	Number of patients
0) No radiotherapy	9 (16.1%)
1) X-ray	43 (76.8%)
2) ⁶⁰ Co γ -ray	2 (3.6%)
4) Proton beam	1 (1.8%)
5) Heavy ion beam	1 (1.8%)
9) Unknown	0 (0.0%)
Total	56 (100.0%)

Carcinoma of the Maxillary Sinus ----- 56 Cases

Total Radiation Dose for the Primary Lesion

Dose(Gy)	Number of patients
No radiotherapy	9 (16.1%)
0 <-< 10	0 (0.0%)
10 <-< 20	0 (0.0%)
20 <-< 30	3 (5.4%)
30 <-< 40	4 (7.1%)
40 <-< 50	6 (10.7%)
50 <-< 60	17 (30.4%)
60 <-< 70	13 (23.2%)
70 <-< 80	2 (3.6%)
80 <-< 90	0 (0.0%)
90 -	1 (1.8%)
Dose unknown	1 (1.8%)
No information	0 (0.0%)
Total	56 (100.0%)

0 <-< 40 Gy 14.9% of irradiated patients
 0 <-< 50 Gy 27.7% of irradiated patients
 0 <-< 60 Gy 63.8% of irradiated patients

Carcinoma of the Maxillary Sinus ----- 56 Cases

Chemotherapy

Route of Administration	Number of patients
0) No chemotherapy	14 (25.0%)
1) Intravenous	13 (23.2%)
2) Intraarterial	27 (48.2%)
3) Oral	1 (1.8%)
8) Others	0 (0.0%)
9) Unknown	1 (1.8%)
Total	56 (100.0%)

後 記

頭頸部悪性腫瘍全国登録は平成 13 年度から日本頭頸部癌学会の正式事業となり、それに伴い登録方法の大幅な見直しが行われました。今回集計を行った 2001 年度初診症例が、新方式になって最初の登録症例です。

学会の正式なご支持をいただいたため登録症例数は従来より飛躍的に増加し、2003 年 5 月から 2004 年 1 月までの期間に 29 施設から 1,363 例のご登録をいただきました。その中から、原発部位不明 5 例、病理組織型不明 1 例、既治療例 2 例、既往治療不明 14 例、重複例 6 例の計 28 例を除外し、残りの 1,335 例について解析を行った結果が本報告書です。

今回は学会の方針により、頭頸部癌取扱い規約改訂第 3 版（2001 年 11 月）に従って登録を行いました。TNM分類では、第 5 版（1997 年）に従ったこととなります。

本報告書の大部分は平成 16 年 6 月に開かれた第 28 回日本頭頸部学会総会の際に出来上がっていたのですが、その後重複例の検討を加え症例数の見直しを行ったり、新登録用紙に合わせた報告書の変更などを行っているうちに今になってしまいました。報告書の完成が大変遅れましたことを、関係者の皆様方に深くお詫び申し上げます。

本報告書の完成に当たり、ご協力をいただきました各施設の担当の先生方に感謝申し上げますとともに、次年度もまたご協力の程お願い申し上げます。また、登録用紙の回収、チェック、処理に当たった大野和美氏に感謝致します。さらに、本登録事業の推進に当たり強力なご支援をいただいた日本頭頸部癌学会に深く御礼を申し上げます。

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日本頭頸部癌学会 悪性腫瘍登録委員会
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