

頭頸部TNM分類研究資料

(1998年度症例のTNM分類および一次治療の動向)

頭頸部 T N M 分類研究資料

(1998 年度症例の T N M 分類および一次治療の動向)

日本 T N M 分類委員会
(The Japanese Joint Committee)
頭頸部小委員会

国立がんセンター東病院
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Total Cases	4
Oral Cavity	23
Larynx	53
Hypopharynx	84
Mesopharynx	97
Nasopharynx	111
Nasal Cavity and Paranasal Sinuses	
Excluding the Maxillary Sinus	125
Maxillary Sinus	137

1998年度症例登録施設（21施設）

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旭川医科大学
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東京大学医学部
日本医科大学
東京医科大学
京都府立医科大学
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東北大学歯学部第1・第2
東京医科歯科大学歯学部第1
横浜市立大学医学部
信州大学医学部
大阪大学歯学部第2
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その他の施設

千葉県がんセンター
国立がんセンター中央病院

Total Cases

848 Cases

Head and Neck Carcinoma ----- 848 Cases

Primary Site

Site	Number of patients
1)Oral cavity	344 (40.6%)
2)Larynx	214 (25.2%)
3)Hypopharynx	113 (13.3%)
4)Mesopharynx	90 (10.6%)
5)Nasopharynx	36 (4.2%)
6)Nasal cavity, <i>etc.</i>	14 (1.7%)
7)Maxillary sinus	37 (4.4%)
Total	848 (100.0%)

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

Head and Neck Carcinoma ----- 848 Cases

Distribution of Gender by Age

Age	Male	Female	Unknown	Total
0 - 9	0	1	0	1
10 - 19	2	0	0	2
20 - 29	1	2	0	3
30 - 39	9	4	0	13
40 - 49	56	17	0	73
50 - 59	163	40	0	203
60 - 69	231	47	0	278
70 - 79	154	50	0	204
80 - 89	49	17	0	66
90 -	4	1	0	5
Unknown	0	0	0	0
Total	669	179	0	848

Head and Neck Carcinoma — 848 Cases

Histological Distribution by Primary Site

Histologic type	(1) Oral cavity	(2) Larynx	(3) Hypo- pharynx	(4) Meso- pharynx	(5) Naso- pharynx	(6) Nasal cavity, etc.	(7) Maxillary sinus	Total
Neoplasm, malig.	2	1	0	0	1	0	0	4
Carcinoma, NOS	0	0	0	0	0	3	0	3
Large cell ca., NOS	0	1	0	0	0	0	0	1
Ca., undiff., NOS	0	0	1	1	4	1	2	9
Verrucous ca., NOS	3	1	0	1	0	0	0	5
S.C.C.-in-situ, NOS	10	1	2	1	1	1	2	18
S.C.C., NOS	199	165	75	57	20	7	21	544
S.C.C., kerat., NOS	103	30	34	25	4	0	8	204
S.C.C., large cell, non-kerat.	3	7	0	1	2	0	0	13
S.C.C., small cell, non-kerat.	0	6	1	2	2	0	2	13
S.C.C., spindle cell	1	0	0	0	0	0	0	1
Transitional cell ca., NOS	0	0	0	0	0	1	0	1
Adenocarcinoma, NOS	1	1	0	0	0	0	0	2
Adenoid cystic ca.	11	1	0	1	1	0	2	16
Mucoepidermoid ca.	6	0	0	1	1	0	0	8
Acinar cell ca.	1	0	0	0	0	0	0	1
Malig. melanoma, NOS	1	0	0	0	0	0	0	1
Kaposi sarcoma	1	0	0	0	0	0	0	1
Chondrosarcoma, NOS	1	0	0	0	0	0	0	1
Olfactory neuroblastoma	0	0	0	0	0	1	0	1
Malig. lymphoma, non-Hodgkin, NOS	1	0	0	0	0	0	0	1
Total	344	214	113	90	36	14	37	848

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

Malig., malig.: malignant.

NOS: not otherwise specified.

Ca., ca.: carcinoma.

undiff.: undifferentiated.

S.C.C.: squamous cell carcinoma.

kerat.: keratinizing.

Head and Neck Carcinoma ----- 848 Cases
Histological Distribution by Primary Site (Male)

Histologic type	(1) Oral cavity	(2) Larynx	(3) Hypo- pharynx	(4) Meso- pharynx	(5) Naso- pharynx	(6) Nasal cavity, <i>etc.</i>	(7) Maxillary sinus	Total
Neoplasm, malig.	0	1	0	0	1	0	0	2
Carcinoma, NOS	0	0	0	0	0	1	0	1
Large cell ca., NOS	0	1	0	0	0	0	0	1
Ca., undiff., NOS	0	0	1	1	2	0	2	6
Verrucous ca., NOS	2	1	0	1	0	0	0	4
S.C.C.-in-situ, NOS	7	1	2	1	0	0	1	12
S.C.C., NOS	129	158	67	54	12	3	17	440
S.C.C., kerat., NOS	73	28	31	19	4	0	4	159
S.C.C., large cell, non-kerat.	2	6	0	1	2	0	0	11
S.C.C., small cell, non-kerat.	0	3	1	2	2	0	1	9
Transitional cell ca., NOS	0	0	0	0	0	1	0	1
Adenocarcinoma, NOS	1	0	0	0	0	0	0	1
Adenoid cystic ca.	8	1	0	1	1	0	2	13
Mucoepidermoid ca.	4	0	0	1	0	0	0	5
Malig. melanoma, NOS	1	0	0	0	0	0	0	1
Kaposi sarcoma	1	0	0	0	0	0	0	1
Chondrosarcoma, NOS	1	0	0	0	0	0	0	1
Olfactory neuroblastoma	0	0	0	0	0	1	0	1
Total	229	200	102	81	24	6	27	669

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

Malig., malig.: malignant.

undiff.: undifferentiated.

NOS: not otherwise specified.

S.C.C.: squamous cell carcinoma.

Ca., ca.: carcinoma.

kerat.: keratinizing.

Head and Neck Carcinoma ——— 848 Cases

Histological Distribution by Primary Site (Female)

Histologic type	(1) Oral cavity	(2) Larynx	(3) Hypo- pharynx	(4) Meso- pharynx	(5) Naso- pharynx	(6) Nasal cavity, etc.	(7) Maxillary sinus	Total
Neoplasm, malig.	2	0	0	0	0	0	0	2
Carcinoma, NOS	0	0	0	0	0	2	0	2
Ca., undiff., NOS	0	0	0	0	2	1	0	3
Verrucous ca., NOS	1	0	0	0	0	0	0	1
S.C.C.-in-situ, NOS	3	0	0	0	1	1	1	6
S.C.C., NOS	70	7	8	3	8	4	4	104
S.C.C., kerat., NOS	30	2	3	6	0	0	4	45
S.C.C., large cell, non-kerat.	1	1	0	0	0	0	0	2
S.C.C., small cell, non-kerat.	0	3	0	0	0	0	1	4
S.C.C., spindle cell	1	0	0	0	0	0	0	1
Adenocarcinoma, NOS	0	1	0	0	0	0	0	1
Adenoid cystic ca.	3	0	0	0	0	0	0	3
Mucoepidermoid ca.	2	0	0	0	1	0	0	3
Acinar cell ca.	1	0	0	0	0	0	0	1
Malig. lymphoma, non-Hodgkin, NOS	1	0	0	0	0	0	0	1
Total	115	14	11	9	12	8	10	179

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

Malig., malig.: malignant.

undiff.: undifferentiated.

NOS: not otherwise specified.

S.C.C.: squamous cell carcinoma.

Ca., ca.: carcinoma.

kerat.: keratinizing.

Head and Neck Carcinoma ----- 848 Cases

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	Total
T0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0
T1	190	5	0	2	6	4	1	1	209
T2	215	39	1	10	37	16	3	1	322
T3	66	25	1	12	32	20	4	0	160
T4	56	18	1	8	25	28	6	0	142
TX	2	1	0	1	1	0	0	10	15
Total	529	88	3	33	101	68	14	12	848

Head and Neck Carcinoma ----- 848 Cases

T and N Status (M0 Cases)

	N0	N1	N2	N2a	N2b	N2c	N3	NX	Total
T0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0
T1	180	5	0	2	6	4	1	1	199
T2	193	38	1	9	35	13	1	1	291
T3	58	21	0	7	29	14	3	0	132
T4	49	16	0	5	18	22	3	0	113
TX	2	1	0	0	1	0	0	0	4
Total	482	81	1	23	89	53	8	2	739

Head and Neck Carcinoma ----- 848 Cases

T and N Status (M1 Cases)

	N0	N1	N2	N2a	N2b	N2c	N3	NX	Total
T0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0
T1	1	0	0	0	0	0	0	0	1
T2	0	0	0	0	0	1	1	0	2
T3	1	0	1	3	0	5	1	0	11
T4	2	1	1	2	3	5	3	0	17
TX	0	0	0	0	0	0	0	0	0
Total	4	1	2	5	3	11	5	0	31

Head and Neck Carcinoma ——— 848 Cases

T and N Status (MX Cases)

	N0	N1	N2	N2a	N2b	N2c	N3	NX	Total
T0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0
T1	9	0	0	0	0	0	0	0	9
T2	22	1	0	1	2	2	1	0	29
T3	7	4	0	2	3	1	0	0	17
T4	5	1	0	1	4	1	0	0	12
TX	0	0	0	1	0	0	0	10	11
Total	43	6	0	5	9	4	1	10	78

Head and Neck Carcinoma — 848 Cases

Treatment Method for the Primary Lesion by Primary Site

Treatment method	(1) Oral cavity	(2) Larynx	(3) Hypo- pharynx	(4) Meso- pharynx	(5) Naso- pharynx	(6) Nasal cavity, etc.	(7) Maxillary sinus	Total
0)No treatment	21	5	9	3	1	2	0	41
1)Rad. alone	41	115	29	20	10	4	1	220
2)Surg. alone	163	38	12	17	3	1	3	237
3)Preop. rad.	20	18	9	8	0	0	4	59
4)Postop. rad.	11	2	4	5	0	1	3	26
5)Preop. & postop. rad.	2	2	1	2	0	0	0	7
6)Rad.→ salvage	1	6	1	2	0	0	0	10
7)Rad.+chem.+surg.	20	5	8	10	0	2	22	67
8)Rad.+chem.	13	16	24	14	22	4	1	94
9)Others	52	7	16	9	0	0	3	87
No information	0	0	0	0	0	0	0	0
Total	344	214	113	90	36	14	37	848

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

Rad.: radiation.

Surg.: surgery.

Preop.: preoperative.

Postop.: postoperative.

chem.: chemotherapy.

Head and Neck Carcinoma ——— 848 Cases

Method of Surgery for the Primary Lesion by Primary Site

Primary site	(0) No surg.	(1) Extended total	(2) Total	(3) Subtotal	(4) Hemi-	(5) Partial	(9) Others	No infor- mation	Total
1)Oral cavity	75	32	29	18	39	140	11	0	344
2)Larynx	140	6	47	2	0	14	5	0	214
3)Hypopharynx	67	18	22	1	0	3	2	0	113
4)Mesopharynx	41	9	24	0	1	9	6	0	90
5)Nasopharynx	35	0	0	0	0	0	1	0	36
6)Nasal cavity, <i>etc.</i>	9	0	0	0	0	0	5	0	14
7)Maxillary sinus	5	8	11	5	0	6	2	0	37
Total	372	73	133	26	40	172	32	0	848

surg.: surgery.

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

Head and Neck Carcinoma ----- 848 Cases

Treatment Method for the Cervical Nodes by Primary Site

Treatment method	(1) Oral cavity	(2) Larynx	(3) Hypo- pharynx	(4) Meso- pharynx	(5) Naso- pharynx	(6) Nasal cavity, <i>etc.</i>	(7) Maxillary Sinus	Total
0)No treatment	176	149	22	20	7	11	30	415
1)Rad. alone	17	16	22	10	8	1	0	74
2)Surg. alone	76	20	9	15	2	1	1	124
3)Preop. rad.	14	13	7	8	0	0	1	43
4)Postop. rad.	10	2	7	4	0	0	2	25
5)Preop. & postop. rad.	1	2	3	1	0	0	0	7
6)Rad.→ salvage	0	1	2	3	0	0	1	7
7)Rad.+chem.+surg.	10	3	12	11	2	0	1	39
8)Rad.+chem.	6	6	17	12	17	1	0	59
9)Others	34	2	12	6	0	0	1	55
No information	0	0	0	0	0	0	0	0
Total	344	214	113	90	36	14	37	848

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

Rad.: radiation.

Surg.: surgery.

Preop.: preoperative.

Postop.: postoperative.

chem.: chemotherapy.

Head and Neck Carcinoma ----- 848 Cases

Neck Dissection by Primary Site

Primary site	(0) No N.D.	(1) Radical N.D.	(2) Conservative N.D.	(3) Partial N.D.	(4) Enucle- ation	No infor- mation	Total
1)Oral cavity	190	45	60	42	2	5	344
2)Larynx	163	9	31	11	0	0	214
3)Hypopharynx	62	37	12	0	0	2	113
4)Mesopharynx	42	28	15	4	0	1	90
5)Nasopharynx	34	2	0	0	0	0	36
6)Nasal cavity, <i>etc.</i>	12	0	0	1	1	0	14
7)Maxillary sinus	27	3	4	1	0	2	37
Total	530	124	122	59	3	10	848

N.D.: neck dissection.

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

Head and Neck Carcinoma ——— 848 Cases

Reconstructive Surgery by Primary Site

Primary site	(0) No recon.	(1) Pedicled flap	(2) Free flap or jejunum	(3) Free bone graft	(4) Vascularized bone graft	(5) (1)+(2)	(6) (1)+(3)	(7) (2)+(3)	(8) (2)+(4)	(9) Others	No information	Total
1) Oral cavity	198	17	95	0	2	1	0	0	2	29	0	344
2) Larynx	202	3	9	0	0	0	0	0	0	0	0	214
3) Hypopharynx	69	1	31	0	0	2	0	0	0	10	0	113
4) Mesopharynx	54	4	30	0	0	0	0	0	0	2	0	90
5) Nasopharynx	35	0	0	0	0	0	0	0	0	1	0	36
6) Nasal cavity, etc.	12	0	0	0	0	0	0	0	0	2	0	14
7) Maxillary sinus	22	0	11	2	0	0	0	1	0	1	0	37
Total	592	25	176	2	2	3	0	1	2	45	0	848

recon.: reconstruction.

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

Head and Neck Carcinoma ——— 848 Cases

Radiotherapy for the Primary Lesion by Primary Site

Primary site	(0) No R.T.	(1) External	(2) Intra- cavitary	(3) Inter- stitial	(4) (1)+ (2)	(5) (1)+ (3)	No infor- mation	Total
1)Oral cavity	222	95	0	9	3	9	6	344
2)Larynx	53	160	0	0	0	0	1	214
3)Hypopharynx	28	83	0	0	0	0	2	113
4)Mesopharynx	28	54	0	1	0	4	3	90
5)Nasopharynx	2	34	0	0	0	0	0	36
6)Nasal cavity, <i>etc.</i>	3	10	0	0	0	0	1	14
7)Maxillary sinus	5	30	0	0	1	0	1	37
Total	341	466	0	10	4	13	14	848

R.T.: radiotherapy.

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

Head and Neck Carcinoma ——— 848 Cases

Chemotherapy by Primary Site

Primary Site	(0) No chem.	(1) Topi- cal	(2) Arte- rial	(3) Sys- temic	(4) (1)+ (2)	(5) (1)+ (3)	(6) (2)+ (3)	(7) (1)+(2) +(3)	No infor- mation	Total
1)Oral cavity	255	1	12	63	2	1	2	0	8	344
2)Larynx	184	0	0	29	0	0	0	0	1	214
3)Hypopharynx	63	0	0	48	0	0	0	0	2	113
4)Mesopharynx	56	1	3	26	0	0	3	0	1	90
5)Nasopharynx	13	0	0	23	0	0	0	0	0	36
6)Nasal cavity, <i>etc.</i>	8	0	2	4	0	0	0	0	0	14
7)Maxillary sinus	11	1	18	3	2	0	1	0	1	37
Total	590	3	35	196	4	1	6	0	13	848

chem.: chemotherapy.

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

Head and Neck Carcinoma ----- 848 Cases

Immunotherapy by Primary Site

Primary Site	(0) Without immuno.	(1) With immuno.	No infor- mation	Total
1)Oral cavity	334	3	7	344
2)Larynx	213	0	1	214
3)Hypopharynx	110	1	2	113
4)Mesopharynx	88	1	1	90
5)Nasopharynx	36	0	0	36
6)Nasal cavity, <i>etc.</i>	14	0	0	14
7)Maxillary sinus	36	0	1	37
Total	831	5	12	848

immuno.: immunotherapy.

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

Head and Neck Carcinoma ----- 848 Cases

Cryosurgery by Primary Site

Primary Site	(0) Without cryosurgery	(1) With cryosurgery	No infor- mation	Total
1)Oral cavity	336	1	7	344
2)Larynx	213	0	1	214
3)Hypopharynx	111	0	2	113
4)Mesopharynx	89	0	1	90
5)Nasopharynx	36	0	0	36
6)Nasal cavity, etc.	14	0	0	14
7)Maxillary sinus	36	0	1	37
Total	835	1	12	848

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

Oral Cavity

344 Cases

Carcinoma of the Oral Cavity ——— 344 Cases

Subsite

Subsite	Number of patients	
1)Lip	4	(1.2%)
2)Buccal mucosa	36	(10.5%)
3)Retromolar area	6	(1.7%)
4)Gingiva	74	(21.5%)
5)Hard palate	10	(2.9%)
6)Floor of the mouth	41	(11.9%)
7)Tongue	173	(50.3%)
9)Oral cavity, NOS	0	(0.0%)
Total	344	(100.0%)

NOS: not otherwise specified.

Carcinoma of the Oral Cavity ----- 344 Cases

Distribution of Gender by Age

Age	Male	Female	Unknown	Total
0 - 9	0	1	0	1
10 - 19	0	0	0	0
20 - 29	0	1	0	1
30 - 39	5	2	0	7
40 - 49	27	9	0	36
50 - 59	58	26	0	84
60 - 69	71	34	0	105
70 - 79	52	31	0	83
80 - 89	15	11	0	26
90 -	1	0	0	1
Unknown	0	0	0	0
Total	229	115	0	344

Carcinoma of the Oral Cavity ----- 344 Cases

Carcinoma of the Lip

Distribution of Gender by Age

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	0	1	0	1
70 - 79	1	0	0	1
80 - 89	0	1	0	1
90 -	0	0	0	0
Unknown	0	0	0	0
Total	2	2	0	4

Carcinoma of the Oral Cavity ——— 344 Cases

Carcinoma of the Buccal Mucosa

Distribution of Gender by Age

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	1	0	3
50 - 59	2	1	0	3
60 - 69	7	3	0	10
70 - 79	7	7	0	14
80 - 89	4	1	0	5
90 -	1	0	0	1
Unknown	0	0	0	0
Total	23	13	0	36

Carcinoma of the Oral Cavity ----- 344 Cases

Carcinoma of the Retromolar Area

Distribution of Gender by Age

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	1	0	0	1
60 - 69	1	1	0	2
70 - 79	1	1	0	2
80 - 89	0	0	0	0
90 -	0	0	0	0
Unknown	0	0	0	0
Total	4	2	0	6

Carcinoma of the Oral Cavity ----- 344 Cases

Carcinoma of the Gingiva

Distribution of Gender by Age

Age	Male	Female	Unknown	Total
0 - 9	0	0	0	0
10 - 19	0	0	0	0
20 - 29	0	1	0	1
30 - 39	0	0	0	0
40 - 49	4	1	0	5
50 - 59	8	6	0	14
60 - 69	17	14	0	31
70 - 79	10	8	0	18
80 - 89	4	1	0	5
90 -	0	0	0	0
Unknown	0	0	0	0
Total	43	31	0	74

Carcinoma of the Oral Cavity ----- 344 Cases

Carcinoma of the Hard Palate

Distribution of Gender by Age

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	4	0	6
70 - 79	1	1	0	2
80 - 89	1	0	0	1
90 -	0	0	0	0
Unknown	0	0	0	0
Total	5	5	0	10

Carcinoma of the Oral Cavity ----- 344 Cases

Carcinoma of the Floor of the Mouth

Distribution of Gender by Age

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	8	1	0	9
50 - 59	9	1	0	10
60 - 69	12	0	0	12
70 - 79	8	1	0	9
80 - 89	1	0	0	1
90 -	0	0	0	0
Unknown	0	0	0	0
Total	38	3	0	41

Carcinoma of the Oral Cavity ——— 344 Cases

Carcinoma of the Tongue

Distribution of Gender by Age

Age	Male	Female	Unknown	Total
0 - 9	0	1	0	1
10 - 19	0	0	0	0
20 - 29	0	0	0	0
30 - 39	5	2	0	7
40 - 49	12	6	0	18
50 - 59	36	18	0	54
60 - 69	32	11	0	43
70 - 79	24	13	0	37
80 - 89	5	8	0	13
90 -	0	0	0	0
Unknown	0	0	0	0
Total	114	59	0	173

Carcinoma of the Oral Cavity ----- 344 Cases

Carcinoma of the Oral Cavity, NOS

Distribution of Gender by Age

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	0	0	0	0
70 - 79	0	0	0	0
80 - 89	0	0	0	0
90 -	0	0	0	0
Unknown	0	0	0	0
Total	0	0	0	0

NOS: not otherwise specified.

Carcinoma of the Oral Cavity ——— 344 Cases

Histological Distribution by Subsite

Histologic type	(1) Lip	(2) Buccal mucosa	(3) Retromolar area	(4) Gingiva	(5) Hard palate	(6) Floor of the mouth	(7) Tongue	(9) Oral cavity, NOS	Total
Neoplasms, malign.	0	0	0	1	1	0	0	0	2
Verrucous carcinoma, NOS	0	1	0	0	0	0	2	0	3
Squamous cell carcinoma, in-situ, NOS	0	0	1	1	0	0	8	0	10
Squamous cell carcinoma, NOS	2	23	2	38	5	25	104	0	199
Squamous cell carcinoma, keratinized, NOS	2	8	0	27	1	9	56	0	103
Squamous cell carcinoma, large cell, non-keratinized	0	0	0	1	0	0	2	0	3
Squamous cell carcinoma, spindle cell	0	0	0	1	0	0	0	0	1
Adenocarcinoma, NOS	0	1	0	0	0	0	0	0	1
Adenoid cystic carcinoma	0	0	2	1	2	6	0	0	11
Mucoepidermoid carcinoma	0	1	1	1	1	1	1	0	6
Acinar cell carcinoma	0	1	0	0	0	0	0	0	1
Malignant melanoma, NOS	0	0	0	1	0	0	0	0	1
Kaposi sarcoma	0	0	0	1	0	0	0	0	1
Chondrosarcoma, NOS	0	1	0	0	0	0	0	0	1
Malignant lymphoma, non-Hodgkin, NOS	0	0	0	1	0	0	0	0	1
Total	4	36	6	74	10	41	173	0	344

NOS: not otherwise specified.

S.C.C.: squamous cell carcinoma.

Malig., malign.: malignant.

kerat.: keratinizing.

ca.: carcinoma.

Carcinoma of the Oral Cavity ----- 344 Cases

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	Total
T0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0
T1	67 *	2	0	0	1	2	0	0	72
T2	126	26	0	0	10	4	1	0	167
T3	22 *	10	1 *	2 *	12	2	0	0	49
T4	20 *	10	0	2	11	10 *	1	0	54
TX	0	0	0	0	0	0	0	2	2
Total	235	48	1	4	34	18	2	2	344

M1: 6 cases. Each * signifies one M1 case.

Carcinoma of the Oral Cavity ——— 344 Cases

Carcinoma of the Lip

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	Total
T0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0
T1	0	0	0	0	0	0	0	0	0
T2	4	0	0	0	0	0	0	0	4
T3	0	0	0	0	0	0	0	0	0
T4	0	0	0	0	0	0	0	0	0
TX	0	0	0	0	0	0	0	0	0
Total	4	0	0	0	0	0	0	0	4

M1: 0 case.

Carcinoma of the Oral Cavity ----- 344 Cases

Carcinoma of the Buccal Mucosa

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	Total
T0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0
T1	8	0	0	0	0	0	0	0	8
T2	13	5	0	0	2	0	0	0	20
T3	3 *	2	0	0	1	0	0	0	6
T4	1	0	0	0	1	0	0	0	2
TX	0	0	0	0	0	0	0	0	0
Total	25	7	0	0	4	0	0	0	36

M1: 1 case. Each * signifies one M1 case.

Carcinoma of the Oral Cavity ——— 344 Cases

Carcinoma of the Retromolar Area

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	Total
T0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0
T1	1	0	0	0	0	0	0	0	1
T2	2	0	0	0	1	0	0	0	3
T3	0	0	0	0	0	0	0	0	0
T4	2 *	0	0	0	0	0	0	0	2
TX	0	0	0	0	0	0	0	0	0
Total	5	0	0	0	1	0	0	0	6

M1: 1 case. Each * signifies one M1 case.

Carcinoma of the Oral Cavity ----- 344 Cases

Carcinoma of the Gingiva

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	Total
T0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0
T1	9	0	0	0	0	1	0	0	10
T2	20	6	0	0	0	1	0	0	27
T3	4	0	0	0	3	0	0	0	7
T4	12	8	0	0	5	3	1	0	29
TX	0	0	0	0	0	0	0	1	1
Total	45	14	0	0	8	5	1	1	74

M1: 0 case.

Carcinoma of the Oral Cavity ----- 344 Cases

Carcinoma of the Hard Palate

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	Total
T0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0
T1	2	0	0	0	0	0	0	0	2
T2	2	1	0	0	0	0	0	0	3
T3	2	0	0	1	0	0	0	0	3
T4	2	0	0	0	0	0	0	0	2
TX	0	0	0	0	0	0	0	0	0
Total	8	1	0	1	0	0	0	0	10

M1: 0 case.

Carcinoma of the Oral Cavity ----- 344 Cases

Carcinoma of the Floor of the Mouth

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	Total
T0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0
T1	10	0	0	0	0	1	0	0	11
T2	11	4	0	0	1	3	0	0	19
T3	3	1	1 *	0	0	0	0	0	5
T4	0	0	0	1	1	3 *	0	0	5
TX	0	0	0	0	0	0	0	1	1
Total	24	5	1	1	2	7	0	1	41

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

Carcinoma of the Oral Cavity ----- 344 Cases

Carcinoma of the Tongue

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	Total
T0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0
T1	37 *	2	0	0	1	0	0	0	40
T2	74	10	0	0	6	0	1	0	91
T3	10	7	0	1 *	8	2	0	0	28
T4	3	2	0	1	4	4	0	0	14
TX	0	0	0	0	0	0	0	0	0
Total	124	21	0	2	19	6	1	0	173

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

Carcinoma of the Oral Cavity ----- 344 Cases

Carcinoma of the Oral Cavity, NOS

T and N Status

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

M1: 0 case.

NOS: not otherwise specified.

Carcinoma of the Oral Cavity ——— 344 Cases

Treatment Method for the Primary Lesion by Subsite

Treatment method	(1) Lip	(2) Buccal mucosa	(3) Retromolar area	(4) Gingiva	(5) Hard palate	(6) the mouth	(7) Tongue	(9) Oral cavity, NOS	Total
0)No treatment	0	7	0	2	1	2	9	0	21
1)Rad. alone	2	5	1	7	1	6	19	0	41
2)Surg. alone	1	14	2	30	4	17	95	0	163
3)Preop. rad.	0	0	0	2	0	3	15	0	20
4)Postop. rad.	0	1	1	3	1	2	3	0	11
5)Preop. & postop. rad.	0	1	1	0	0	0	0	0	2
6)Rad.→ salvage	0	1	0	0	0	0	0	0	1
7)Rad.+chem.+surg.	0	3	1	8	0	1	7	0	20
8)Rad.+chem.	1	0	0	7	1	1	3	0	13
9)Others	0	4	0	15	2	9	22	0	52
No information	0	0	0	0	0	0	0	0	0
Total	4	36	6	74	10	41	173	0	344

NOS: not otherwise specified.

Preop.: preoperative.

Rad.: radiation.

Postop.: postoperative.

Surg.: surgery.

chem.: chemotherapy.

Carcinoma of the Oral Cavity ----- 344 Cases

Method of Surgery for the Primary Lesion by Subsite

Subsite	(0) No surg.	(1) Extended total	(2) Total	(3) Subtotal	(4) Hemi-	(5) Partial	(9) Others	No infor- mation	Total
1)Lip	3	0	0	0	0	1	0	0	4
2)Buccal mucosa	12	4	4	1	0	14	1	0	36
3)Retromolar area	1	0	3	0	0	1	1	0	6
4)Gingiva	18	8	5	2	7	30	4	0	74
5)Hard palate	3	2	2	0	0	2	1	0	10
6)Floor of the mouth	9	6	4	1	4	15	2	0	41
7)Tongue	29	12	11	14	28	77	2	0	173
9)Oral cavity, NOS	0	0	0	0	0	0	0	0	0
Total	75	32	29	18	39	140	11	0	344

surg.: surgery.

NOS: not otherwise specified.

Carcinoma of the Oral Cavity ——— 344 Cases

Treatment Method for the Cervical Nodes by Subsite

Treatment method	(1) Lip	(2) Buccal mucosa	(3) Retromolar area	(4) Gingiva	(5) Hard palate	(6) Floor of the mouth	(7) Tongue	(9) Oral cavity, NOS	Total
0)No treatment	3	21	3	32	6	20	91	0	176
1)Rad. alone	1	2	1	4	1	2	6	0	17
2)Surg. alone	0	4	1	22	1	10	38	0	76
3)Preop. rad.	0	1	0	2	0	2	9	0	14
4)Postop. rad.	0	2	0	1	0	1	6	0	10
5)Preop. & postop. rad.	0	0	1	0	0	0	0	0	1
6)Rad.→ salvage	0	0	0	0	0	0	0	0	0
7)Rad.+chem.+surg.	0	3	0	1	0	1	5	0	10
8)Rad.+chem.	0	0	0	3	0	0	3	0	6
9)Others	0	3	0	9	2	5	15	0	34
No information	0	0	0	0	0	0	0	0	0
Total	4	36	6	74	10	41	173	0	344

NOS: not otherwise specified.

Preop.: preoperative.

Rad.: radiation.

Postop.: postoperative.

Surg.: surgery.

chem.: chemotherapy.

Carcinoma of the Oral Cavity ----- 344 Cases

Neck Dissection by Subsite

Subsite	(0) No N.D.	(1) Radical N.D.	(2) Conservative N.D.	(3) Partial N.D.	(4) Enucle- ation	No infor- mation	Total
1)Lip	4	0	0	0	0	0	4
2)Buccal mucosa	22	2	6	5	1	0	36
3)Retromolar area	4	0	1	1	0	0	6
4)Gingiva	39	14	10	10	0	1	74
5)Hard palate	8	1	0	1	0	0	10
6)Floor of the mouth	20	3	9	7	0	2	41
7)Tongue	93	25	34	18	1	2	173
9)Oral cavity, NOS	0	0	0	0	0	0	0
Total	190	45	60	42	2	5	344

N.D.: neck dissection.

NOS: not otherwise specified.

Carcinoma of the Oral Cavity -----344 Cases

Reconstructive Surgery by Subsite

Subsite	(0) No recon.	(1) Pedicled flap	(2) Free flap or jejunum	(3) Free bone graft	(4) Vascu- larized bone graft	(5) (1)+ (2)	(6) (1)+ (3)	(7) (2)+ (3)	(8) (2)+ (4)	(9) Others	No infor- mation	Total
1)Lip	3	0	0	0	0	0	0	0	0	1	0	4
2)Buccal mucosa	16	2	13	0	0	1	0	0	0	4	0	36
3)Retromolar area	3	0	3	0	0	0	0	0	0	0	0	6
4)Gingiva	42	5	12	0	2	0	0	0	1	12	0	74
5)Hard palate	7	0	2	0	0	0	0	0	0	1	0	10
6)Floor of the mouth	20	2	12	0	0	0	0	0	1	6	0	41
7)Tongue	107	8	53	0	0	0	0	0	0	5	0	173
9)Oral cavity, NOS	0	0	0	0	0	0	0	0	0	0	0	0
Total	198	17	95	0	2	1	0	0	2	29	0	344

recon.: reconstruction.

NOS: not otherwise specified.

Carcinoma of the Oral Cavity ——— 344 Cases

Radiotherapy for the Primary Lesion by Subsite

Subsite	(0) No R.T.	(1) External	(2) Intra- cavitary	(3) Inter- stitial	(4) (1)+ (2)	(5) (1)+ (3)	No infor- mation	Total
1)Lip	1	2	0	0	0	1	0	4
2)Buccal mucosa	24	9	0	1	1	1	0	36
3)Retromolar area	2	4	0	0	0	0	0	6
4)Gingiva	40	28	0	0	2	2	2	74
5)Hard palate	7	3	0	0	0	0	0	10
6)Floor of the mouth	25	14	0	0	0	0	2	41
7)Tongue	123	35	0	8	0	5	2	173
9)Oral cavity, NOS	0	0	0	0	0	0	0	0
Total	222	95	0	9	3	9	6	344

R.T.: radiotherapy.

NOS: not otherwise specified.

Carcinoma of the Oral Cavity ———344 Cases

Chemotherapy by Subsite

Subsite	(0) No chem.	(1) Topi- cal	(2) Arte- rial	(3) Sys- temic	(4) (1)+ (2)	(5) (1)+ (3)	(6) (2)+ (3)	(7) (1)+(2) +(3)	No infor- mation	Total
1)Lip	3	0	0	1	0	0	0	0	0	4
2)Buccal mucosa	28	0	0	8	0	0	0	0	0	36
3)Retromolar area	6	0	0	0	0	0	0	0	0	6
4)Gingiva	41	1	7	21	1	1	0	0	2	74
5)Hard palate	7	0	0	3	0	0	0	0	0	10
6)Floor of the mouth	32	0	1	6	0	0	0	0	2	41
7)Tongue	138	0	4	24	1	0	2	0	4	173
9)Oral cavity, NOS	0	0	0	0	0	0	0	0	0	0
Total	255	1	12	63	2	1	2	0	8	344

chem.: chemotherapy.

NOS: not otherwise specified.

Carcinoma of the Oral Cavity ----- 344 Cases

Immunotherapy by Subsite

Subsite	(0)	(1)	No infor- mation	Total
	Without immuno.	With immuno.		
1)Lip	4	0	0	4
2)Buccal mucosa	36	0	0	36
3)Retromolar area	6	0	0	6
4)Gingiva	69	3	2	74
5)Hard palate	10	0	0	10
6)Floor of the mouth	39	0	2	41
7)Tongue	170	0	3	173
9)Oral cavity, NOS	0	0	0	0
Total	334	3	7	344

immuno.: immunotherapy.

NOS: not otherwise specified.

Carcinoma of the Oral Cavity ——— 344 Cases

Cryosurgery by Subsite

Subsite	(0) Without cryosurgery	(1) With cryosurgery	No infor- mation	Total
1)Lip	4	0	0	4
2)Buccal mucosa	36	0	0	36
3)Retromolar area	6	0	0	6
4)Gingiva	71	1	2	74
5)Hard palate	10	0	0	10
6)Floor of the mouth	39	0	2	41
7)Tongue	170	0	3	173
9)Oral cavity, NOS	0	0	0	0
Total	336	1	7	344

NOS: not otherwise specified.

Larynx

214 Cases

Carcinoma of the Larynx ----- 214 Cases

Subsite

Subsite	Number of patients
Glottis	131 (61.2%)
Supraglottis	70 (32.7%)
Subglottis	6 (2.8%)
Larynx, NOS	7 (3.3%)
Total	214 (100.0%)

NOS: not otherwise specified.

Carcinoma of the Larynx ----- 214Cases

Distribution of Gender by Age

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	1	0	0	1
40 - 49	8	0	0	8
50 - 59	39	3	0	42
60 - 69	75	3	0	78
70 - 79	57	5	0	62
80 - 89	17	3	0	20
90 -	3	0	0	3
Unknown	0	0	0	0
Total	200	14	0	214

Carcinoma of the Larynx ——— 214 Cases

Carcinoma of the Glottis

Distribution of Gender by Age

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	5	0	0	5
50 - 59	26	3	0	29
60 - 69	46	1	0	47
70 - 79	35	1	0	36
80 - 89	12	1	0	13
90 -	1	0	0	1
Unknown	0	0	0	0
Total	125	6	0	131

Carcinoma of the Larynx ----- 214 Cases

Carcinoma of the Supraglottis

Distribution of Gender by Age

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	1	0	0	1
40 - 49	3	0	0	3
50 - 59	10	0	0	10
60 - 69	25	2	0	27
70 - 79	17	4	0	21
80 - 89	5	1	0	6
90 -	2	0	0	2
Unknown	0	0	0	0
Total	63	7	0	70

Carcinoma of the Larynx ——— 214 Cases

Carcinoma of the Subglottis

Distribution of Gender by Age

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	3	0	0	3
80 - 89	0	0	0	0
90 -	0	0	0	0
Unknown	0	0	0	0
Total	6	0	0	6

Carcinoma of the Larynx ——— 214 Cases

Carcinoma of the Larynx, NOS

Distribution of Gender by Age

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	2	0	0	2
60 - 69	2	0	0	2
70 - 79	2	0	0	2
80 - 89	0	1	0	1
90 -	0	0	0	0
Unknown	0	0	0	0
Total	6	1	0	7

NOS: not otherwise specified.

Carcinoma of the Larynx ——— 214 Cases

Histological Distribution by Subsite

Histologic type	Glottis (1610)	Supraglottis (1611)	Subglottis (1612)	Larynx, NOS (1619)	Total
Neoplasm, malig.	0	0	1	0	1
Large cell ca., NOS	0	1	0	0	1
Verrucous ca., NOS	1	0	0	0	1
S.C.C.-in-situ, NOS	1	0	0	0	1
S.C.C., NOS	103	50	5	7	165
S.C.C., kerat., NOS	20	10	0	0	30
S.C.C., large cell, non-kerat.	2	5	0	0	7
S.C.C., small cell, non-kerat.	3	3	0	0	6
Adenocarcinoma, NOS	0	1	0	0	1
Adenoid cystic ca.	1	0	0	0	1
Total	131	70	6	7	214

NOS: not otherwise specified.

S.C.C.: squamous cell carcinoma.

malig.: malignant.

kerat.: keratinizing.

ca.: carcinoma.

Carcinoma of the Larynx ----- 214 Cases

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	Total
T0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0
T1	104	1	0	1	1	0	0	0	107
T2	52	2	0	2	2	3 *	0	0	61
T3	15	4	0	2	1	4 **	0	0	26
T4	12 *	1	0	1	2	1	0	0	17
TX	1	0	0	0	0	0	0	2	3
Total	184	8	0	6	6	8	0	2	214

M1: 4 cases. Each * signifies one M1 case.

Carcinoma of the Larynx ——— 214 Cases

Carcinoma of the Glottis

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	Total
T0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0
T1	5	0	0	0	0	0	0	0	5
T1a	60	0	0	0	0	0	0	0	60
T1b	23	0	0	0	0	0	0	0	23
T2	28	0	0	1	0	0	0	0	29
T3	2	0	0	1	1	0	0	0	4
T4	7 *	1	0	0	0	0	0	0	8
TX	1	0	0	0	0	0	0	1	2
Total	126	1	0	2	1	0	0	1	131

M1: 1 case. Each * signifies one M1 case.

Carcinoma of the Larynx ----- 214 Cases

Carcinoma of the Supraglottis

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	Total
T0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0
T1	10	1	0	1	1	0	0	0	13
T2	20	2	0	1	2	3 *	0	0	28
T3	13	4	0	1	0	4 **	0	0	22
T4	3	0	0	1	2	1	0	0	7
TX	0	0	0	0	0	0	0	0	0
Total	46	7	0	4	5	8	0	0	70

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

Carcinoma of the Larynx ----- 214 Cases

Carcinoma of the Subglottis

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	Total
T0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0
T1	3	0	0	0	0	0	0	0	3
T2	1	0	0	0	0	0	0	0	1
T3	0	0	0	0	0	0	0	0	0
T4	1	0	0	0	0	0	0	0	1
TX	0	0	0	0	0	0	0	1	1
Total	5	0	0	0	0	0	0	1	6

M1: 0 case.

Carcinoma of the Larynx ----- 214 Cases

Carcinoma of the Larynx, NOS

T and N Status

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

M1: 0 case.

NOS: not otherwise specified.

Carcinoma of the Larynx ——— 214 Cases

Treatment Method for the Primary Lesion by Subsite

Treatment method	Glottis (1610)	Supraglottis (1611)	Subglottis (1612)	Larynx, NOS (1619)	Total
0)No treatment	0	3	0	2	5
1)Rad. alone	87	25	1	2	115
2)Surg. alone	22	15	0	1	38
3)Preop. rad.	6	11	1	0	18
4)Postop. rad.	1	0	1	0	2
5)Preop. & postop. rad.	1	1	0	0	2
6)Rad.→ salvage	4	2	0	0	6
7)Rad.+chem.+surg.	1	4	0	0	5
8)Rad.+chem.	6	6	2	2	16
9)Others	3	3	1	0	7
No information	0	0	0	0	0
Total	131	70	6	7	214

NOS: not otherwise specified.

Surg.: surgery.

Postop.: postoperative.

Rad.: radiation.

Preop.: preoperative.

chem.: chemotherapy.

Carcinoma of the Larynx ——— 214Cases

Treatment Method for the Primary Lesion by T Classification

Treatment method	T0	Tis	T1	T2	T3	T4	TX	Total
0)No treatment	0	0	1	3	1	0	0	5
1)Rad. alone	0	0	78	34	2	1	0	115
2)Surg. alone	0	0	13	6	10	8	1	38
3)Preop. rad.	0	0	2	9	5	2	0	18
4)Postop. rad.	0	0	1	0	0	1	0	2
5)Preop. & postop. rad.	0	0	0	0	0	2	0	2
6)Rad.→ salvage	0	0	2	1	3	0	0	6
7)Rad.+chem.+surg.	0	0	0	0	3	2	0	5
8)Rad.+chem.	0	0	3	8	2	1	2	16
9)Others	0	0	7	0	0	0	0	7
No information	0	0	0	0	0	0	0	0
Total	0	0	107	61	26	17	3	214

Rad.: radiation.
Postop.: postoperative.

Surg.: surgery.
chem.: chemotherapy.

Preop.: preoperative.

Carcinoma of the Larynx — 214 Cases

Carcinoma of the Glottis

Treatment Method for the Primary Lesion by T Classification

Treatment method	T0	Tis	T1	T1a	T1b	T2	T3	T4	TX	Total
0)No treatment	0	0	0	0	0	0	0	0	0	0
1)Rad. alone	0	0	3	48	18	18	0	0	0	87
2)Surg. alone	0	0	2	8	2	2	1	6	1	22
3)Preop. rad.	0	0	0	0	1	4	0	1	0	6
4)Postop. rad.	0	0	0	1	0	0	0	0	0	1
5)Preop. & postop. rad.	0	0	0	0	0	0	0	1	0	1
6)Rad.→ salvage	0	0	0	1	0	1	2	0	0	4
7)Rad.+chem.+surg.	0	0	0	0	0	0	1	0	0	1
8)Rad.+chem.	0	0	0	0	1	4	0	0	1	6
9)Others	0	0	0	2	1	0	0	0	0	3
No information	0	0	0	0	0	0	0	0	0	0
Total	0	0	5	60	23	29	4	8	2	131

Rad.: radiation.

Postop.: postoperative.

Surg.: surgery.

chem.: chemotherapy.

Preop.: preoperative.

Carcinoma of the Larynx ——— 214 Cases

Carcinoma of the Supraglottis

Treatment Method for the Primary Lesion by T Classification

Treatment method	T0	Tis	T1	T2	T3	T4	TX	Total
0)No treatment	0	0	0	2	1	0	0	3
1)Rad. alone	0	0	6	16	2	1	0	25
2)Surg. alone	0	0	1	4	9	1	0	15
3)Preop. rad.	0	0	1	4	5	1	0	11
4)Postop. rad.	0	0	0	0	0	0	0	0
5)Preop. & postop. rad.	0	0	0	0	0	1	0	1
6)Rad.→ salvage	0	0	1	0	1	0	0	2
7)Rad.+chem.+surg.	0	0	0	0	2	2	0	4
8)Rad.+chem.	0	0	1	2	2	1	0	6
9)Others	0	0	3	0	0	0	0	3
No information	0	0	0	0	0	0	0	0
Total	0	0	13	28	22	7	0	70

Rad.: radiation.

Postop.: postoperative.

Surg.: surgery.

chem.: chemotherapy.

Preop.: preoperative.

Carcinoma of the Larynx -----214 Cases

Carcinoma of the Subglottis

Treatment Method for the Primary Lesion by T Classification

Treatment method	T0	Tis	T1	T2	T3	T4	TX	Total
0)No treatment	0	0	0	0	0	0	0	0
1)Rad. alone	0	0	1	0	0	0	0	1
2)Surg. alone	0	0	0	0	0	0	0	0
3)Preop. rad.	0	0	0	1	0	0	0	1
4)Postop. rad.	0	0	0	0	0	1	0	1
5)Preop. & postop. rad.	0	0	0	0	0	0	0	0
6)Rad.→ salvage	0	0	0	0	0	0	0	0
7)Rad.+chem.+surg.	0	0	0	0	0	0	0	0
8)Rad.+chem.	0	0	1	0	0	0	1	2
9)Others	0	0	1	0	0	0	0	1
No information	0	0	0	0	0	0	0	0
Total	0	0	3	1	0	1	1	6

Rad.: radiation.

Postop.: postoperative.

Surg.: surgery.

chem.: chemotherapy.

Preop.: preoperative.

Carcinoma of the Larynx ----- 214 Cases

Carcinoma of the Larynx, NOS

Treatment Method for the Primary Lesion by T Classification

Treatment method	T0	Tis	T1	T2	T3	T4	TX	Total
0)No treatment	0	0	1	1	0	0	0	2
1)Rad. alone	0	0	2	0	0	0	0	2
2)Surg. alone	0	0	0	0	0	1	0	1
3)Preop. rad.	0	0	0	0	0	0	0	0
4)Postop. rad.	0	0	0	0	0	0	0	0
5)Preop. & postop. rad.	0	0	0	0	0	0	0	0
6)Rad.→ salvage	0	0	0	0	0	0	0	0
7)Rad.+chem.+surg.	0	0	0	0	0	0	0	0
8)Rad.+chem.	0	0	0	2	0	0	0	2
9)Others	0	0	0	0	0	0	0	0
No information	0	0	0	0	0	0	0	0
Total	0	0	3	3	0	1	0	7

NOS: not otherwise specified.
Preop.: preoperative.

Rad.: radiation.
Postop.: postoperative.

Surg.: surgery.
chem.: chemotherapy.

Carcinoma of the Larynx ——— 214 Cases

Method of Surgery for the Primary Lesion by Subsite

Subsite	(0) No surg.	(1) Extended total	(2) Total	(3) Subtotal	(4) Partial	(9) Others	No infor- mation	Total
Glottis (1610)	95	1	19	1	10	5	0	131
Supraglottis (1611)	35	4	26	1	4	0	0	70
Subglottis (1612)	4	1	1	0	0	0	0	6
Larynx, NOS (1619)	6	0	1	0	0	0	0	7
Total	140	6	47	2	14	5	0	214

surg.: surgery.

NOS: not otherwise specified.

Carcinoma of the Larynx ----- 214 Cases

Method of Surgery for the Primary Lesion by T Classification

Method of Surgery	T0	Tis	T1	T2	T3	T4	TX	Total
0)No surgery	0	0	86	45	5	2	2	140
1)Extended total	0	0	0	2	1	3	0	6
2)Total	0	0	3	13	19	12	0	47
3)Subtotal	0	0	1	1	0	0	0	2
4)Partial	0	0	12	0	1	0	1	14
9)Others	0	0	5	0	0	0	0	5
No information	0	0	0	0	0	0	0	0
Total	0	0	107	61	26	17	3	214

Carcinoma of the Larynx ——— 214 Cases

Carcinoma of the Glottis

Method of Surgery for the Primary Lesion by T Classification

Method of Surgery	T0	Tis	T1	T1a	T1b	T2	T3	T4	TX	Total
0)No surgery	0	0	3	50	19	22	0	0	1	95
1)Extended total	0	0	0	0	0	1	0	0	0	1
2)Total	0	0	1	0	1	5	4	8	0	19
3)Subtotal	0	0	0	0	0	1	0	0	0	1
4)Partial	0	0	0	8	1	0	0	0	1	10
9)Others	0	0	1	2	2	0	0	0	0	5
No information	0	0	0	0	0	0	0	0	0	0
Total	0	0	5	60	23	29	4	8	2	131

Carcinoma of the Larynx ----- 214 Cases

Carcinoma of the Supraglottis

Method of Surgery for the Primary Lesion by T Classification

Method of Surgery	T0	Tis	T1	T2	T3	T4	TX	Total
0)No surgery	0	0	8	20	5	2	0	35
1)Extended total	0	0	0	1	1	2	0	4
2)Total	0	0	1	7	15	3	0	26
3)Subtotal	0	0	1	0	0	0	0	1
4)Partial	0	0	3	0	1	0	0	4
9)Others	0	0	0	0	0	0	0	0
No information	0	0	0	0	0	0	0	0
Total	0	0	13	28	22	7	0	70

Carcinoma of the Larynx ——— 214 Cases

Carcinoma of the Subglottis

Method of Surgery for the Primary Lesion by T Classification

Method of Surgery	T0	Tis	T1	T2	T3	T4	TX	Total
0)No surgery	0	0	3	0	0	0	1	4
1)Extended total	0	0	0	0	0	1	0	1
2)Total	0	0	0	1	0	0	0	1
3)Subtotal	0	0	0	0	0	0	0	0
4)Partial	0	0	0	0	0	0	0	0
9)Others	0	0	0	0	0	0	0	0
No information	0	0	0	0	0	0	0	0
Total	0	0	3	1	0	1	1	6

Carcinoma of the Larynx ----- 214 Cases

Carcinoma of the Larynx, NOS

Method of Surgery for the Primary Lesion by T Classification

Method of Surgery	T0	Tis	T1	T2	T3	T4	TX	Total
0)No surgery	0	0	3	3	0	0	0	6
1)Extended total	0	0	0	0	0	0	0	0
2)Total	0	0	0	0	0	1	0	1
3)Subtotal	0	0	0	0	0	0	0	0
4)Partial	0	0	0	0	0	0	0	0
9)Others	0	0	0	0	0	0	0	0
No information	0	0	0	0	0	0	0	0
Total	0	0	3	3	0	1	0	7

NOS: not otherwise specified.

Carcinoma of the Larynx ----- 214 Cases

Treatment Method for the Cervical Nodes by Subsite

Treatment method	Glottis (1610)	Supraglottis (1611)	Subglottis (1612)	Larynx, NOS (1619)	Total
0)No treatment	111	27	4	7	149
1)Rad. alone	6	10	0	0	16
2)Surg. alone	6	14	0	0	20
3)Preop. rad.	5	8	0	0	13
4)Postop. rad.	0	1	1	0	2
5)Preop. & postop. rad.	1	1	0	0	2
6)Rad.→ salvage	1	0	0	0	1
7)Rad.+chem.+surg.	1	2	0	0	3
8)Rad.+chem.	0	5	1	0	6
9)Others	0	2	0	0	2
No information	0	0	0	0	0
Total	131	70	6	7	214

NOS: not otherwise specified.

Surg.: surgery.

Postop.: postoperative.

Rad.: radiation.

Preop.: preoperative.

chem.: chemotherapy.

Carcinoma of the Larynx ——— 214 Cases

Neck Dissection by Subsite

Subsite	(0) No N.D.	(1) Radical N.D.	(2) Conservative N.D.	(3) Partial N.D.	(4) Enucle- ation	No infor- mation	Total
Glottis (1610)	115	3	8	5	0	0	131
Supraglottis (1611)	38	5	22	5	0	0	70
Subglottis (1612)	4	0	1	1	0	0	6
Larynx, NOS (1619)	6	1	0	0	0	0	7
Total	163	9	31	11	0	0	214

N.D.: neck dissection.

NOS: not otherwise specified.

Carcinoma of the Larynx ——— 214 Cases

Reconstructive Surgery by Subsite

Subsite	(0) No recon.	(1) Pedicle flap	(2) Free flap	(3) Free jejunum	(4) (1)+ (2)	(5) (1)+ (3)	(6) (2)+ (3)	(9) Others	No infor- mation	Total
Glottis (1610)	128	1	1	1	0	0	0	0	0	131
Supraglottis (1611)	62	1	1	6	0	0	0	0	0	70
Subglottis (1612)	5	1	0	0	0	0	0	0	0	6
Larynx, NOS (1619)	7	0	0	0	0	0	0	0	0	7
Total	202	3	2	7	0	0	0	0	0	214

recon.: reconstruction.

NOS: not otherwise specified.

Carcinoma of the Larynx ——— 214 Cases

Radiotherapy for the Primary Lesion by Subsite

Subsite	(0) No R.T.	(1) External	(2) Intra- cavitary	(3) Inter- stitial	(4) (1)+ (2)	(5) (1)+ (3)	No infor- mation	Total
Glottis (1610)	26	104	0	0	0	0	1	131
Supraglottis (1611)	23	47	0	0	0	0	0	70
Subglottis (1612)	1	5	0	0	0	0	0	6
Larynx, NOS (1619)	3	4	0	0	0	0	0	7
Total	53	160	0	0	0	0	1	214

R.T.: radiotherapy.

NOS: not otherwise specified.

Carcinoma of the Larynx ----- 214 Cases

Chemotherapy by Subsite

Subsite	(0) No chem.	(1) Topi- cal	(2) Arte- rial	(3) Sys- temic	(4) (1)+ (2)	(5) (1)+ (3)	(6) (2)+ (3)	(7) (1)+(2) +(3)	No infor- mation	Total
Glottis (1610)	122	0	0	8	0	0	0	0	1	131
Supraglottis (1611)	54	0	0	16	0	0	0	0	0	70
Subglottis (1612)	3	0	0	3	0	0	0	0	0	6
Larynx, NOS (1619)	5	0	0	2	0	0	0	0	0	7
Total	184	0	0	29	0	0	0	0	1	214

chem.: chemotherapy.

NOS: not otherwise specified.

Carcinoma of the Larynx ——— 214 Cases

Immunotherapy by Subsite

Subsite	(0)	(1)	No infor- mation	Total
	Without immuno.	With immuno.		
Glottis (1610)	130	0	1	131
Supraglottis (1611)	70	0	0	70
Subglottis (1612)	6	0	0	6
Larynx, NOS (1619)	7	0	0	7
Total	213	0	1	214

immuno.: immunotherapy.

NOS: not otherwise specified.

Hypopharynx

113 Cases

Carcinoma of the Hypopharynx ----- 113 Cases

Subsite

Subsite	Number of patients	
Postcricoid	9	(8.0%)
Pyriiform sinus	80	(70.8%)
Posterior wall	20	(17.7%)
Cervical esophagus	0	(0.0%)
Hypopharynx, NOS	4	(3.5%)
Total	113	(100.0%)

NOS: not otherwise specified.

Carcinoma of the Hypopharynx ----- 113 Cases

Distribution of Gender by Age

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	2	0	6
50 - 59	27	3	0	30
60 - 69	38	3	0	41
70 - 79	23	2	0	25
80 - 89	10	1	0	11
90 -	0	0	0	0
Unknown	0	0	0	0
Total	102	11	0	113

Carcinoma of the Hypopharynx ----- 113 Cases

Histological Distribution by Subsite

Histologic type	Post-cricoid (1480)	Pyriform sinus (1481)	Posterior wall (1483)	Cervical esophagus (1500)	Hypopharynx, NOS (1489)	Total
Ca., undiff., NOS	1	0	0	0	0	1
S.C.C.-in-situ, NOS	1	1	0	0	0	2
S.C.C., NOS	7	52	12	0	4	75
S.C.C., kerat., NOS	0	26	8	0	0	34
S.C.C., small cell, non-kerat.	0	1	0	0	0	1
Total	9	80	20	0	4	113

NOS: not otherwise specified.

S.C.C.: squamous cell carcinoma.

Ca.: carcinoma.

kerat.: keratinizing.

undiff.: undifferentiated.

Carcinoma of the Hypopharynx ——— 113 Cases

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	Total
T0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0
T1	9	0	0	1	1	0	0	0	11
T2	13	6	0	2	9	3	2 *	1	36
T3	7	3	0	4	13	6 ***	2 *	0	35
T4	3	2	0	4 **	8 ***	9 ****	3 *	0	29
TX	0	1	0	0	1	0	0	0	2
Total	32	12	0	11	32	18	7	1	113

M1: 15 cases. Each * signifies one M1 case.

Carcinoma of the Hypopharynx ----- 113 Cases

Treatment Method for the Primary Lesion by Subsite

Treatment method	Post-cricoid (1480)	Pyriform sinus (1481)	Posterior wall (1483)	Cervical esophagus (1500)	Hypopharynx, NOS (1489)	Total
0)No treatment	0	8	1	0	0	9
1)Rad. alone	3	19	5	0	2	29
2)Surg. alone	0	9	3	0	0	12
3)Preop. rad.	3	5	0	0	1	9
4)Postop. rad.	0	4	0	0	0	4
5)Preop. & postop. rad.	0	1	0	0	0	1
6)Rad.→ salvage	0	1	0	0	0	1
7)Rad.+chem.+surg.	1	4	3	0	0	8
8)Rad.+chem.	2	16	5	0	1	24
9)Others	0	13	3	0	0	16
No information	0	0	0	0	0	0
Total	9	80	20	0	4	113

NOS: not otherwise specified.

Surg.: surgery.

Postop.: postoperative.

Rad.: radiation.

Preop.: preoperative.

chem.: chemotherapy.

Carcinoma of the Hypopharynx ----- 113 Cases

Method of Surgery for the Primary Lesion by Subsite

		(0)	(1)	(2)	(3)	(4)	(9)	
Subsite		No surg.	Extended total	Total	Subtotal	Partial	Others	No infor- mation
Postcricoid	(1480)	5	2	2	0	0	0	0
Pyriiform sinus	(1481)	49	13	16	1	1	0	0
Posterior wall	(1483)	10	2	4	0	2	2	0
Cervical esophagus	(1500)	0	0	0	0	0	0	0
Hypopharynx, NOS	(1489)	3	1	0	0	0	0	0
Total		67	18	22	1	3	2	0
								113

surg.: surgery.

NOS: not otherwise specified.

Carcinoma of the Hypopharynx ----- 113 Cases

Treatment Method for the Cervical Nodes by Subsite

Treatment method	Post-cricoid (1480)	Pyriform sinus (1481)	Posterior wall (1483)	Cervical esophagus (1500)	Hypopharynx, NOS (1489)	Total
0)No treatment	1	15	5	0	1	22
1)Rad. alone	1	16	4	0	1	22
2)Surg. alone	0	8	1	0	0	9
3)Preop. rad.	1	5	0	0	1	7
4)Postop. rad.	0	5	2	0	0	7
5)Preop. & postop. rad.	2	1	0	0	0	3
6)Rad.→ salvage	1	1	0	0	0	2
7)Rad.+chem.+surg.	1	7	4	0	0	12
8)Rad.+chem.	2	10	4	0	1	17
9)Others	0	12	0	0	0	12
No information	0	0	0	0	0	0
Total	9	80	20	0	4	113

NOS: not otherwise specified.

Surg.: surgery.

Postop.: postoperative.

Rad.: radiation.

Preop.: preoperative.

chem.: chemotherapy.

Carcinoma of the Hypopharynx ----- 113 Cases

Neck Dissection by Subsite

Subsite		(0) No N.D.	(1) Radical N.D.	(2) Conservative N.D.	(3) Partial N.D.	(4) Enucle- ation	No infor- mation	Total
Postcricoid	(1480)	4	3	2	0	0	0	9
Pyriiform sinus	(1481)	46	26	8	0	0	0	80
Posterior wall	(1483)	10	6	2	0	0	2	20
Cervical esophagus	(1500)	0	0	0	0	0	0	0
Hypopharynx, NOS	(1489)	2	2	0	0	0	0	4
Total		62	37	12	0	0	2	113

N.D.: neck dissection.

NOS: not otherwise specified.

Carcinoma of the Hypopharynx ----- 113 Cases

Reconstructive Surgery by Subsite

		(0)	(1)	(2)	(3)	(4)	(5)	(6)	(9)	No infor- mation	Total
Subsite		No recon.	Pedicled flap	Free flap	Free jejunum	(1)+ (2)	(1)+ (3)	(2)+ (3)	Others		
Postcricoid	(1480)	5	0	0	4	0	0	0	0	0	9
Pyriiform sinus	(1481)	51	1	9	12	0	2	0	5	0	80
Posterior wall	(1483)	10	0	2	4	0	0	0	4	0	20
Cervical esophagus	(1500)	0	0	0	0	0	0	0	0	0	0
Hypopharynx, NOS	(1489)	3	0	0	0	0	0	0	1	0	4
Total		69	1	11	20	0	2	0	10	0	113

recon.: reconstruction.

NOS: not otherwise specified.

Carcinoma of the Hypopharynx ——— 113 Cases

Radiotherapy for the Primary Lesion by Subsite

Subsite		(0) No R.T.	(1) External	(2) Intra- cavitary	(3) Inter- stitial	(4) (1)+ (2)	(5) (1)+ (3)	No infor- mation	Total
Postcricoid	(1480)	1	8	0	0	0	0	0	9
Pyriiform sinus	(1481)	24	55	0	0	0	0	1	80
Posterior wall	(1483)	3	16	0	0	0	0	1	20
Cervical esophagus	(1500)	0	0	0	0	0	0	0	0
Hypopharynx, NOS	(1489)	0	4	0	0	0	0	0	4
Total		28	83	0	0	0	0	2	113

R.T.: radiotherapy.

NOS: not otherwise specified.

Carcinoma of the Hypopharynx ----- 113 Cases

Chemotherapy by Subsite

		(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)		
Subsite		No chem.	Topical	Arterial	Systemic	(1)+(2)	(1)+(3)	(2)+(3)	(1)+(2)+(3)	No information	Total
Postcricoid	(1480)	6	0	0	3	0	0	0	0	0	9
Pyriiform sinus	(1481)	47	0	0	33	0	0	0	0	0	80
Posterior wall	(1483)	8	0	0	10	0	0	0	0	2	20
Cervical esophagus	(1500)	0	0	0	0	0	0	0	0	0	0
Hypopharynx, NOS	(1489)	2	0	0	2	0	0	0	0	0	4
Total		63	0	0	48	0	0	0	0	2	113

chem.: chemotherapy.

NOS: not otherwise specified.

Carcinoma of the Hypopharynx ——— 113 Cases

Immunotherapy by Subsite

Subsite		(0) Without immuno.	(1) With immuno.	No infor- mation	Total
Postcricoid	(1480)	9	0	0	9
Pyriiform sinus	(1481)	79	1	0	80
Posterior wall	(1483)	18	0	2	20
Cervical esophagus	(1500)	0	0	0	0
Hypopharynx, NOS	(1489)	4	0	0	4
Total		110	1	2	113

immuno.: immunotherapy.

NOS: not otherwise specified.

Mesopharynx

90 Cases

Carcinoma of the Mesopharynx ——— 90 Cases

Subsite

Subsite	Number of patients
Soft palate	25 (27.8%)
Lateral wall	39 (43.3%)
Posterior wall	4 (4.4%)
Base of the tongue	21 (23.3%)
Mesopharynx, NOS	1 (1.1%)
Total	90 (100.0%)

NOS: not otherwise specified.

Carcinoma of the Mesopharynx ——— 90 Cases

Distribution of Gender by Age

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	1	0	2
40 - 49	8	2	0	10
50 - 59	23	2	0	25
60 - 69	31	0	0	31
70 - 79	12	4	0	16
80 - 89	5	0	0	5
90 -	0	0	0	0
Unknown	0	0	0	0
Total	81	9	0	90

Carcinoma of the Mesopharynx ----- 90 Cases

Histological Distribution by Subsite

Histologic type	Soft palate	Lateral wall	Posterior wall	Base of the tongue	Mesopharynx, NOS	Total
Ca., undiff., NOS	1	0	0	0	0	1
Verrucous ca., NOS	1	0	0	0	0	1
S.C.C.-in-situ, NOS	0	0	0	1	0	1
S.C.C., NOS	12	27	3	14	1	57
S.C.C., kerat., NOS	8	12	1	4	0	25
S.C.C., large cell, non-kerat.	1	0	0	0	0	1
S.C.C., small cell, non-kerat.	1	0	0	1	0	2
Adenoid cystic ca.	0	0	0	1	0	1
Mucoepidermoid ca.	1	0	0	0	0	1
Total	25	39	4	21	1	90

NOS: not otherwise specified.

S.C.C.: squamous cell carcinoma.

Ca., ca.: carcinoma.

kerat.: keratinizing.

undiff.: undifferentiated.

Carcinoma of the Mesopharynx ----- 90 Cases

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	Total
T0		0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0
T1	6	0	0	0	3	0	1	1	11
T2	13	2	0	5	12	4	0	0	36
T3	7	7	0	3 **	3	8	1	0	29
T4	3	2 *	0	0	1	7	1 *	0	14
TX	0	0	0	0	0	0	0	0	0
Total	29	11	0	8	19	19	3	1	90

M1: 4 cases. Each * signifies one M1 case.

Carcinoma of the Mesopharynx ----- 90 Cases

Treatment Method for the Primary Lesion by Subsite

Treatment method	Soft palate	Lateral wall	Posterior wall	Base of the tongue	Mesopharynx, NOS	Total
0)No treatment	2	1	0	0	0	3
1)Rad. alone	3	10	0	6	1	20
2)Surg. alone	13	3	1	0	0	17
3)Preop. rad.	1	4	1	2	0	8
4)Postop. rad.	1	2	1	1	0	5
5)Preop. & postop. rad.	2	0	0	0	0	2
6)Rad.→ salvage	1	1	0	0	0	2
7)Rad.+chem.+surg.	2	4	0	4	0	10
8)Rad.+chem.	0	10	1	3	0	14
9)Others	0	4	0	5	0	9
No information	0	0	0	0	0	0
Total	25	39	4	21	1	90

NOS: not otherwise specified.

Surg.: surgery.

Postop.: postoperative.

Rad.: radiation.

Preop.: preoperative.

chem.: chemotherapy.

Carcinoma of the Mesopharynx ----- 90 Cases

Method of Surgery for the Primary Lesion by Subsite

Subsite	(0) No surg.	(1) Extended total	(2) Total	(3) Subtotal	(4) Hemi-	(5) Partial	(9) Others	No infor- mation	Total
Soft palate	5	2	8	0	0	7	3	0	25
Lateral wall	23	3	11	0	0	1	1	0	39
Posterior wall	1	0	2	0	0	0	1	0	4
Base of the tongue	11	4	3	0	1	1	1	0	21
Mesopharynx, NOS	1	0	0	0	0	0	0	0	1
Total	41	9	24	0	1	9	6	0	90

surg.: surgery.

NOS: not otherwise specified.

Carcinoma of the Mesopharynx ——— 90 Cases

Treatment Method for the Cervical Nodes by Subsite

Treatment method	Soft palate	Lateral wall	Posterior wall	Base of the tongue	Mesopharynx, NOS	Total
0)No treatment	10	6	0	3	1	20
1)Rad. alone	0	7	0	3	0	10
2)Surg. alone	10	3	1	1	0	15
3)Preop. rad.	2	3	1	2	0	8
4)Postop. rad.	0	2	1	1	0	4
5)Preop. & postop. rad.	1	0	0	0	0	1
6)Rad.→ salvage	1	2	0	0	0	3
7)Rad.+chem.+surg.	1	6	0	4	0	11
8)Rad.+chem.	0	8	1	3	0	12
9)Others	0	2	0	4	0	6
No information	0	0	0	0	0	0
Total	25	39	4	21	1	90

NOS: not otherwise specified.

Surg.: surgery.

Postop.: postoperative.

Rad.: radiation.

Preop.: preoperative.

chem.: chemotherapy.

Carcinoma of the Mesopharynx ——— 90 Cases

Neck Dissection by Subsite

Subsite	(0) No N.D.	(1) Radical N.D.	(2) Conservative N.D.	(3) Partial N.D.	(4) Enucle- ation	No infor- mation	Total
Soft palate	9	9	4	3	0	0	25
Lateral wall	20	14	3	1	0	1	39
Posterior wall	1	1	2	0	0	0	4
Base of the tongue	11	4	6	0	0	0	21
Mesopharynx, NOS	1	0	0	0	0	0	1
Total	42	28	15	4	0	1	90

N.D.: neck dissection.

NOS: not otherwise specified.

Carcinoma of the Mesopharynx ----- 90 Cases

Reconstructive Surgery by Subsite

Subsite	(0) No recon.	(1) Pedicled flap	(2) Free flap or jejunum	(3) Free bone graft	(4) Vascu- larized bone graft	(5) (1)+ (2)	(6) (1)+ (3)	(7) (2)+ (3)	(8) (2)+ (4)	(9) Others	No infor- mation	Total
Soft palate	12	1	11	0	0	0	0	0	0	1	0	25
Lateral wall	27	2	9	0	0	0	0	0	0	1	0	39
Posterior wall	2	0	2	0	0	0	0	0	0	0	0	4
Base of the tongue	12	1	8	0	0	0	0	0	0	0	0	21
Mesopharynx, NOS	1	0	0	0	0	0	0	0	0	0	0	1
Total	54	4	30	0	0	0	0	0	0	2	0	90

recon.: reconstruction.

NOS: not otherwise specified.

Carcinoma of the Mesopharynx ----- 90 Cases

Radiotherapy for the Primary Lesion by Subsite

Subsite	(0) No R.T.	(1) External	(2) Intra- cavitary	(3) Inter- stitial	(4) (1)+ (2)	(5) (1)+ (3)	No infor- mation	Total
Soft palate	16	8	0	1	0	0	0	25
Lateral wall	6	29	0	0	0	2	2	39
Posterior wall	1	3	0	0	0	0	0	4
Base of the tongue	5	14	0	0	0	1	1	21
Mesopharynx, NOS	0	0	0	0	0	1	0	1
Total	28	54	0	1	0	4	3	90

R.T.: radiotherapy.

NOS: not otherwise specified.

Carcinoma of the Mesopharynx ----- 90 Cases

Chemotherapy by Subsite

Subsite	(0) No chem.	(1) Topi- cal	(2) Arte- rial	(3) Sys- temic	(4) (1)+ (2)	(5) (1)+ (3)	(6) (2)+ (3)	(7) (1)+(2) +(3)	No infor- mation	Total
Soft palate	21	1	1	2	0	0	0	0	0	25
Lateral wall	23	0	2	11	0	0	2	0	1	39
Posterior wall	3	0	0	1	0	0	0	0	0	4
Base of the tongue	8	0	0	12	0	0	1	0	0	21
Mesopharynx, NOS	1	0	0	0	0	0	0	0	0	1
Total	56	1	3	26	0	0	3	0	1	90

chem.: chemotherapy.

NOS: not otherwise specified.

Carcinoma of the Mesopharynx ——— 90 Cases

Immunotherapy by Subsite

Subsite	(0)	(1)	No infor- mation	Total
	Without immuno.	With immuno.		
Soft palate	25	0	0	25
Lateral wall	38	0	1	39
Posterior wall	4	0	0	4
Base of the tongue	20	1	0	21
Mesopharynx, NOS	1	0	0	1
Total	88	1	1	90

immuno.: immunotherapy.

NOS: not otherwise specified.

Carcinoma of the Mesopharynx ——— 90 Cases

Cryosurgery by Subsite

Subsite	(0) Without cryosurgery	(1) With cryosurgery	No infor- mation	Total
Soft palate	25	0	0	25
Lateral wall	38	0	1	39
Posterior wall	4	0	0	4
Base of the tongue	21	0	0	21
Mesopharynx, NOS	1	0	0	1
Total	89	0	1	90

NOS: not otherwise specified.

Nasopharynx

36 Cases

Carcinoma of the Nasopharynx ----- 36 Cases

Subsite

Subsite	Number of patients	
Postero-superior wall	21	(58.3%)
Lateral wall	11	(30.6%)
Inferior wall	0	(0.0%)
Nasopharynx, NOS	4	(11.1%)
Total	36	(100.0%)

NOS: not otherwise specified.

Carcinoma of the Nasopharynx ----- 36 Cases

Distribution of Gender by Age

Age	Male	Female	Unknown	Total
0 - 9	0	0	0	0
10 - 19	2	0	0	2
20 - 29	0	1	0	1
30 - 39	1	1	0	2
40 - 49	5	3	0	8
50 - 59	5	3	0	8
60 - 69	7	3	0	10
70 - 79	3	1	0	4
80 - 89	1	0	0	1
90 -	0	0	0	0
Unknown	0	0	0	0
Total	24	12	0	36

Carcinoma of the Nasopharynx ----- 36Cases

Histological Distribution by Subsite

Histologic type	Postero-superior wall	Lateral wall	Inferior wall	Nasopharynx, NOS	Total
Neoplasm, malig.	1	0	0	0	1
Ca., undiff., NOS	3	0	0	1	4
S.C.C.-in-situ, NOS	0	1	0	0	1
S.C.C., NOS	12	6	0	2	20
S.C.C., kerat., NOS	2	1	0	1	4
S.C.C., large cell, non-kerat.	0	2	0	0	2
S.C.C., small cell, non-kerat.	1	1	0	0	2
Adenoid cystic ca.	1	0	0	0	1
Mucoepidermoid ca.	1	0	0	0	1
Total	21	11	0	4	36

NOS: not otherwise specified.

Ca., ca.: carcinoma.

S.C.C.: squamous cell carcinoma.

malig.: malignant.

undiff.: undifferentiated.

kerat.: keratinizing.

Carcinoma of the Nasopharynx ——— 36 Cases

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	Total
T0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0
T1	3	1	0	0	0	2	0	0	6
T2	6	3	1	1	4	2	0	0	17
T3	1	1	0	1	0	0	1	0	4
T4	2	1	1 *	1	2	1	1 *	0	9
TX	0	0	0	0	0	0	0	0	0
Total	12	6	2	3	6	5	2	0	36

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

Carcinoma of the Nasopharynx ----- 36 Cases

Cranial Nerve Palsy

Without cranial nerve palsy 28 cases
 With cranial nerve palsy 8 cases

Cranial nerve	Right		Left	
	Incomplete palsy	Complete palsy	Incomplete palsy	Complete palsy
I	1	0	1	0
II	1	1	1	0
III	1	0	0	0
IV	1	0	0	0
V	2	2	2	1
VI	2	0	1	1
VII	1	0	2	0
VIII	1	0	0	1
IX	0	0	3	1
X	0	0	0	1
XI	0	0	0	0
XII	0	0	0	0

Carcinoma of the Nasopharynx ——— 36 Cases

Treatment Method for the Primary Lesion by Subsite

Treatment method	Postero-superior wall	Lateral wall	Inferior wall	Nasopharynx, NOS	Total
0)No treatment	0	0	0	1	1
1)Rad. alone	5	4	0	1	10
2)Surg. alone	1	2	0	0	3
3)Preop. rad.	0	0	0	0	0
4)Postop. rad.	0	0	0	0	0
5)Preop. & postop. rad.	0	0	0	0	0
6)Rad.→ salvage	0	0	0	0	0
7)Rad.+chem.+surg.	0	0	0	0	0
8)Rad.+chem.	15	5	0	2	22
9)Others	0	0	0	0	0
No information	0	0	0	0	0
Total	21	11	0	4	36

NOS: not otherwise specified.

Surg.: surgery.

Postop.: postoperative.

Rad.: radiation.

Preop.: preoperative.

chem.: chemotherapy.

Carcinoma of the Nasopharynx ----- 36 Cases

Method of Surgery for the Primary Lesion by Subsite

Subsite	(0)	(1)	No infor- mation	Total
	Without surgery	With surgery		
Postero-superior wall	20	1	0	21
Lateral wall	11	0	0	11
Inferior wall	0	0	0	0
Nasopharynx, NOS	4	0	0	4
Total	35	1	0	36

NOS: not otherwise specified.

Carcinoma of the Nasopharynx ——— 36 Cases

Treatment Method for the Cervical Nodes by Subsite

Treatment method	Postero-superior wall	Lateral wall	Inferior wall	Nasopharynx, NOS	Total
0)No treatment	2	3	0	2	7
1)Rad. alone	4	3	0	1	8
2)Surg. alone	0	2	0	0	2
3)Preop. rad.	0	0	0	0	0
4)Postop. rad.	0	0	0	0	0
5)Preop. & postop. rad.	0	0	0	0	0
6)Rad.→ salvage	0	0	0	0	0
7)Rad.+chem.+surg.	1	1	0	0	2
8)Rad.+chem.	14	2	0	1	17
9)Others	0	0	0	0	0
No information	0	0	0	0	0
Total	21	11	0	4	36

NOS: not otherwise specified.

Surg.: surgery.

Postop.: postoperative.

Rad.: radiation.

Preop.: preoperative.

chem.: chemotherapy.

Carcinoma of the Nasopharynx ----- 36 Cases

Neck Dissection by Subsite

Subsite	(0) No N.D.	(1) Radical N.D.	(2) Conservative N.D.	(3) Partial N.D.	(4) Enucle- ation	No infor- mation	Total
Postero-superior wall	20	1	0	0	0	0	21
Lateral wall	10	1	0	0	0	0	11
Inferior wall	0	0	0	0	0	0	0
Nasopharynx, NOS	4	0	0	0	0	0	4
Total	34	2	0	0	0	0	36

N.D.: neck dissection.

NOS: not otherwise specified.

Carcinoma of the Nasopharynx ——— 36 Cases

Reconstructive Surgery by Subsite

Subsite	(0) Without reconstruction	(1) With reconstruction	No infor- mation	Total
Postero-superior wall	20	1	0	21
Lateral wall	11	0	0	11
Inferior wall	0	0	0	0
Nasopharynx, NOS	4	0	0	4
Total	35	1	0	36

NOS: not otherwise specified.

Carcinoma of the Nasopharynx ———36 Cases

Radiotherapy for the Primary Lesion by Subsite

Subsite	(0) No R.T.	(1) External	(2) Intra- cavitary	(3) Inter- stitial	(4) (1)+ (2)	(5) (1)+ (3)	No infor- mation	Total
Postero-superior wall	1	20	0	0	0	0	0	21
Lateral wall	0	11	0	0	0	0	0	11
Inferior wall	0	0	0	0	0	0	0	0
Nasopharynx, NOS	1	3	0	0	0	0	0	4
Total	2	34	0	0	0	0	0	36

R.T.: radiotherapy.

NOS: not otherwise specified.

Carcinoma of the Nasopharynx ----- 36 Cases

Chemotherapy by Subsite

Subsite	(0) No chem.	(1) Topi- cal	(2) Arte- rial	(3) Sys- temic	(4) (1)+ (2)	(5) (1)+ (3)	(6) (2)+ (3)	(7) (1)+(2) +(3)	No infor- mation	Total
Postero-superior wall	5	0	0	16	0	0	0	0	0	21
Lateral wall	6	0	0	5	0	0	0	0	0	11
Inferior wall	0	0	0	0	0	0	0	0	0	0
Nasopharynx, NOS	2	0	0	2	0	0	0	0	0	4
Total	13	0	0	23	0	0	0	0	0	36

chem.: chemotherapy.

NOS: not otherwise specified.

Carcinoma of the Nasopharynx ----- 36 Cases

Immunotherapy by Subsite

Subsite	(0)	(1)	No infor- mation	Total
	Without immuno.	With immuno.		
Postero-superior wall	21	0	0	21
Lateral wall	11	0	0	11
Inferior wall	0	0	0	0
Nasopharynx, NOS	4	0	0	4
Total	36	0	0	36

immuno.: immunotherapy.

NOS: not otherwise specified.

Nasal Cavity and Paranasal Sinuses Excluding the Maxillary Sinus

14 Cases

Carcinoma of the Nasal Cavity and Paranasal Sinuses Excluding
the Maxillary Sinus ----- 14 Cases

Subsite

Subsite	Number of patients
Nasal cavity	8 (57.1%)
Ethmoid sinus	0 (0.0%)
Frontal sinus	3 (21.4%)
Sphenoid sinus	3 (21.4%)
Paranasal sinus, NOS	0 (0.0%)
Total	14 (100.0%)

NOS: not otherwise specified.

Carcinoma of the Nasal Cavity and Paranasal Sinuses
Excluding the Maxillary Sinus ——— 14 Cases

Distribution of Gender by Age

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	1	0	0	1
40 - 49	1	1	0	2
50 - 59	1	0	0	1
60 - 69	0	2	0	2
70 - 79	2	4	0	6
80 - 89	1	1	0	2
90 -	0	0	0	0
Unknown	0	0	0	0
Total	6	8	0	14

Carcinoma of the Nasal Cavity and Paranasal Sinuses Excluding the Maxillary Sinus ——— 14 Cases

Histological Distribution by Subsite

Histologic type	Nasal cavity (1600)	Ethmoid sinus (1603)	Frontal sinus (1604)	Sphenoid sinus (1605)	Paranasal sinus, NOS (1609)	Total
Carcinoma, NOS	1	0	2	0	0	3
Ca., undiff., NOS	0	0	1	0	0	1
S.C.C.-in-situ, NOS	0	0	0	1	0	1
S.C.C., NOS	5	0	0	2	0	7
Transitional cell ca., NOS	1	0	0	0	0	1
Olfactory neuroblastoma	1	0	0	0	0	1
Total	8	0	3	3	0	14

NOS: not otherwise specified.
undiff.: undifferentiated.

Ca., ca.: carcinoma.
S.C.C.: squamous cell carcinoma.

Carcinoma of the Nasal Cavity and Paranasal Sinuses Excluding the Maxillary Sinus ——— 14 Cases

Treatment Method for the Primary Lesion by Subsite

Treatment method	Nasal cavity (1600)	Ethmoid sinus (1603)	Frontal sinus (1604)	Sphenoid sinus (1605)	Paranasal sinus, NOS (1609)	Total
0)No treatment	2	0	0	0	0	2
1)Rad. alone	2	0	0	2	0	4
2)Surg. alone	1	0	0	0	0	1
3)Preop. rad.	0	0	0	0	0	0
4)Postop. rad.	1	0	0	0	0	1
5)Preop. & postop. rad.	0	0	0	0	0	0
6)Rad.→ salvage	0	0	0	0	0	0
7)Rad.+chem.+surg.	1	0	0	1	0	2
8)Rad.+chem.	1	0	3	0	0	4
9)Others	0	0	0	0	0	0
No information	0	0	0	0	0	0
Total	8	0	3	3	0	14

NOS: not otherwise specified.

Surg.: surgery.

Postop.: postoperative.

Rad.: radiation.

Preop.: preoperative.

chem.: chemotherapy.

Carcinoma of the Nasal Cavity and Paranasal Sinuses
Excluding the Maxillary Sinus ----- 14 Cases

Method of Surgery for the Primary Lesion by Subsite

Subsite		(0) Without surgery	(1) With surgery	No infor- mation	Total
Nasal cavity	(1600)	5	3	0	8
Ethmoid sinus	(1603)	0	0	0	0
Frontal sinus	(1604)	2	1	0	3
Sphenoid sinus	(1605)	2	1	0	3
Paranasal sinus, NOS	(1609)	0	0	0	0
Total		9	5	0	14

NOS: not otherwise specified.

Carcinoma of the Nasal Cavity and Paranasal Sinuses Excluding the Maxillary Sinus ——— 14 Cases

Treatment Method for the Cervical Nodes by Subsite

Treatment method	Nasal cavity (1600)	Ethmoid sinus (1603)	Frontal sinus (1604)	Sphenoid sinus (1605)	Paranasal sinus, NOS (1609)	Total
0)No treatment	6	0	3	2	0	11
1)Rad. alone	0	0	0	1	0	1
2)Surg. alone	1	0	0	0	0	1
3)Preop. rad.	0	0	0	0	0	0
4)Postop. rad.	0	0	0	0	0	0
5)Preop. & postop. rad.	0	0	0	0	0	0
6)Rad.→ salvage	0	0	0	0	0	0
7)Rad.+chem.+surg.	0	0	0	0	0	0
8)Rad.+chem.	1	0	0	0	0	1
9)Others	0	0	0	0	0	0
No information	0	0	0	0	0	0
Total	8	0	3	3	0	14

NOS: not otherwise specified.

Surg.: surgery.

Postop.: postoperative.

Rad.: radiation.

Preop.: preoperative.

chem.: chemotherapy.

Carcinoma of the Nasal Cavity and Paranasal Sinuses Excluding the Maxillary Sinus ——— 14 Cases

Neck Dissection by Subsite

Subsite	(0) No N.D.	(1) Radical N.D.	(2) Conservative N.D.	(3) Partial N.D.	(4) Enucle- ation	No infor- mation	Total
Nasal cavity (1600)	7	0	0	1	0	0	8
Ethmoid sinus (1603)	0	0	0	0	0	0	0
Frontal sinus (1604)	3	0	0	0	0	0	3
Sphenoid sinus (1605)	2	0	0	0	1	0	3
Paranasal sinus, NOS (1609)	0	0	0	0	0	0	0
Total	12	0	0	1	1	0	14

N.D.: neck dissection.

NOS: not otherwise specified.

Carcinoma of the Nasal Cavity and Paranasal Sinuses Excluding the Maxillary Sinus ----- 14 Cases

Reconstructive Surgery by Subsite

Subsite		(0) Without reconstruction	(1) With reconstruction	No infor- mation	Total
Nasal cavity	(1600)	6	2	0	8
Ethmoid sinus	(1603)	0	0	0	0
Frontal sinus	(1604)	3	0	0	3
Sphenoid sinus	(1605)	3	0	0	3
Paranasal sinus, NOS	(1609)	0	0	0	0
Total		12	2	0	14

NOS: not otherwise specified.

Carcinoma of the Nasal Cavity and Paranasal Sinuses Excluding the Maxillary Sinus ----- 14 Cases

Radiotherapy for the Primary Lesion by Subsite

Subsite	(0) No R.T.	(1) External	(2) Intra- cavitary	(3) Inter- stitial	(4) (1)+ (2)	(5) (1)+ (3)	No infor- mation	Total
Nasal cavity (1600)	3	4	0	0	0	0	1	8
Ethmoid sinus (1603)	0	0	0	0	0	0	0	0
Frontal sinus (1604)	0	3	0	0	0	0	0	3
Sphenoid sinus (1605)	0	3	0	0	0	0	0	3
Paranasal sinus, NOS (1609)	0	0	0	0	0	0	0	0
Total	3	10	0	0	0	0	1	14

R.T.: radiotherapy.

NOS: not otherwise specified.

Carcinoma of the Nasal Cavity and Paranasal Sinuses Excluding the Maxillary Sinus ——— 14 Cases

Chemotherapy by Subsite

Subsite	(0) No chem.	(1) Topi- cal	(2) Arte- rial	(3) Sys- temic	(4) (1)+ (2)	(5) (1)+ (3)	(6) (2)+ (3)	(7) (1)+(2) +(3)	No infor- mation	Total
Nasal cavity (1600)	6	0	1	1	0	0	0	0	0	8
Ethmoid sinus (1603)	0	0	0	0	0	0	0	0	0	0
Frontal sinus (1604)	0	0	1	2	0	0	0	0	0	3
Sphenoid sinus (1605)	2	0	0	1	0	0	0	0	0	3
Paranasal sinus, NOS (1609)	0	0	0	0	0	0	0	0	0	0
Total	8	0	2	4	0	0	0	0	0	14

chem.: chemotherapy.

NOS: not otherwise specified.

Carcinoma of the Nasal Cavity and Paranasal Sinuses Excluding the Maxillary Sinus ----- 14Cases

Immunotherapy by Subsite

Subsite		(0) Without immuno.	(1) With immuno.	No infor- mation	Total
Nasal cavity	(1600)	8	0	0	8
Ethmoid sinus	(1603)	0	0	0	0
Frontal sinus	(1604)	3	0	0	3
Sphenoid sinus	(1605)	3	0	0	3
Paranasal sinus, NOS	(1609)	0	0	0	0
Total		14	0	0	14

immuno.: immunotherapy.

NOS: not otherwise specified.

Maxillary Sinus

37 Cases

Carcinoma of the Maxillary Sinus ----- 37 Cases

Distribution of Gender by Age

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	10	3	0	13
60 - 69	9	2	0	11
70 - 79	5	3	0	8
80 - 89	0	1	0	1
90 -	0	1	0	1
Unknown	0	0	0	0
Total	27	10	0	37

Carcinoma of the Maxillary Sinus ----- 37 Cases

Histological Distribution

Histologic type	Number of patients
Ca., undiff., NOS	2 (5.4%)
S.C.C.-in-situ, NOS	2 (5.4%)
S.C.C., NOS	21 (56.8%)
S.C.C., kerat., NOS	8 (21.6%)
S.C.C., small cell, non-kerat.	2 (5.4%)
Adenoid cystic ca.	2 (5.4%)
Total	37 (100.0%)

Ca., ca.: carcinoma.

undiff.: undifferentiated.

NOS: not otherwise specified.

S.C.C.: squamous cell carcinoma.

kerat.: keratinizing.

Carcinoma of the Maxillary Sinus ----- 37 Cases

T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	Total
T0	0	0	0	0	0	0	0	0	0
Tis	0	0	0	0	0	0	0	0	0
T1	0	1	0	0	0	0	0	0	1
T2	3	0	0	0	0	0	0	0	3
T3	14	0	0	0	3	0	0	0	17
T4	13	1	0	0	1	0	0	0	15
TX	0	0	0	0	0	0	0	1	1
Total	30	2	0	0	4	0	0	1	37

M1: 0 case.

Carcinoma of the Maxillary Sinus ——— 37 Cases

Treatment Method for the Primary Lesion

Treatment method	Number of patients
0)No treatment	0 (0.0%)
1)Rad. alone	1 (2.7%)
2)Surg. alone	3 (8.1%)
3)Preop. rad.	4 (10.8%)
4)Postop. rad.	3 (8.1%)
5)Preop. & postop. rad.	0 (0.0%)
6)Rad.→ salvage	0 (0.0%)
7)Rad.+chem.+surg.	22 (59.5%)
8)Rad.+chem.	1 (2.7%)
9)Others	3 (8.1%)
No information	0 (0.0%)
Total	37 (100.0%)

Rad.: radiation.

Surg.: surgery.

Preop.: preoperative.

Postop.: postoperative.

chem.: chemotherapy.

Carcinoma of the Maxillary Sinus ----- 37 Cases

Method of Surgery for the Primary Lesion

Method of Surgery	Number of patients
0)No surgery	5 (13.5%)
1)Extended total maxillectomy	8 (21.6%)
2)Total maxillectomy	11 (29.7%)
3)Subtotal maxillectomy	5 (13.5%)
4)Partial maxillectomy	6 (16.2%)
9)Others	2 (5.4%)
No information	0 (0.0%)
Total	37 (100.0%)

Carcinoma of the Maxillary Sinus ———37 Cases

Treatment Method for the Cervical Nodes

Treatment method	Number of patients	
0)No treatment	30	(81.1%)
1)Rad. alone	0	(0.0%)
2)Surg. alone	1	(2.7%)
3)Preop. rad.	1	(2.7%)
4)Postop. rad.	2	(5.4%)
5)Preop. & postop. rad.	0	(0.0%)
6)Rad.→ salvage	1	(2.7%)
7)Rad.+chem.+surg.	1	(2.7%)
8)Rad.+chem.	0	(0.0%)
9)Others	1	(2.7%)
No information	0	(0.0%)
Total	37	(100.0%)

Rad.: radiation.

Surg.: surgery.

Preop.: preoperative.

Postop.: postoperative.

chem.: chemotherapy.

Carcinoma of the Maxillary Sinus ----- 37 Cases

Neck Dissection

Neck dissection	Number of patients
0)No neck dissection	27 (73.0%)
1)Radical neck dissection	3 (8.1%)
2)Conservative neck dissection	4 (10.8%)
3)Partial neck dissection	1 (2.7%)
4)Enucleation	0 (0.0%)
No information	2 (5.4%)
Total	37 (100.0%)

Carcinoma of the Maxillary Sinus ----- 37 Cases

Reconstructive Surgery

Reconstructive surgery	Number of patients
0)No reconstruction	22 (59.5%)
1)Pedicled flap	0 (0.0%)
2)Free flap	11 (29.7%)
3)Free bone graft	2 (5.4%)
4) 1)+2)	0 (0.0%)
5) 1)+3)	0 (0.0%)
6) 2)+3)	1 (2.7%)
9)Others	1 (2.7%)
No information	0 (0.0%)
Total	37 (100.0%)

Carcinoma of the Maxillary Sinus ——— 37 Cases

Radiotherapy for the Primary Lesion

Radiotherapy	Number of patients
0)No radiotherapy	5 (13.5%)
1)External radiotherapy	30 (81.1%)
2)Intracavitary radiotherapy	0 (0.0%)
3)Interstitial radiotherapy	0 (0.0%)
4) 1)+2)	1 (2.7%)
5) 1)+3)	0 (0.0%)
No information	1 (2.7%)
Total	37 (100.0%)

Carcinoma of the Maxillary Sinus ----- 37 Cases

Total Dose of Irradiation

Dose(Gy)	Number of patients
No R.T.	5 (13.5%)
0 <-< 10	1 (2.7%)
10 <-< 20	0 (0.0%)
20 <-< 30	1 (2.7%)
30 <-< 40	4 (10.8%)
40 <-< 50	4 (10.8%)
50 <-< 60	15 (40.5%)
60 <-< 70	6 (16.2%)
70 <-< 80	0 (0.0%)
80 <-< 90	1 (2.7%)
90 -	0 (0.0%)
Dose unknown	0 (0.0%)
No information	0 (0.0%)
Total	37 (100.0%)

0 <-< 40 Gy 18.8% of irradiated patients
0 <-< 50 Gy 31.3% of irradiated patients
0 <-< 60 Gy 78.1% of irradiated patients

R.T.: radiotherapy.

Carcinoma of the Maxillary Sinus ----- 37 Cases

Chemotherapy

Chemotherapy	Number of patients	
0)No chemotherapy	11	(29.7%)
1)Topical	1	(2.7%)
2)Arterial	18	(48.6%)
3)Systemic	3	(8.1%)
4) 1)+2)	2	(5.4%)
5) 1)+3)	0	(0.0%)
6) 2)+3)	1	(2.7%)
7) 1)+2)+3)	0	(0.0%)
No information	1	(2.7%)
Total	37	(100.0%)

Carcinoma of the Maxillary Sinus ----- 37 Cases

Immunotherapy

Immunotherapy	Number of patients
0)Without immunotherapy	36 (97.3%)
1)With immunotherapy	0 (0.0%)
No information	1 (2.7%)
Total	37 (100.0%)

Carcinoma of the Maxillary Sinus ——— 37 Cases

Cryosurgery

Cryosurgery	Number of patients
0)Without cryosurgery	36 (97.3%)
1)With cryosurgery	0 (0.0%)
No information	1 (2.7%)
Total	37 (100.0%)