

Report of Head and Neck Cancer Registry of Japan

Clinical Statistics of Registered Patients, 2013

**Japan Society for Head and Neck Cancer
Cancer Registry Committee**

Preface

The Head and Neck Cancer Registry in Japan has been supported by the Japan Society for Head and Neck Cancer since 2003. The annual reports have been published from 2003 to 2005 as supplements of the journal of the Japan Society for Head and Neck Cancer. Through the support of many institutions and the Japanese Society of Oral and Maxillofacial Surgeons, 3,219 treated cases in 2003 were registered in 2005.

Unfortunately, because the Act of the Protection of Personal Information was enforced in 2005, it made cancer registration very difficult in Japan. The Japan Society for Head and Neck Cancer has decided to discontinue the registration of patients treated in 2004 and thereafter.

After several extensive discussions and investigations from the point of view of personal information, maintenance and finances for the registry system, the Japan Society for Head and Neck Cancer decided to resume the registry using the system of University hospital Medical Information Network (UMIN) Center in Japan. The online registration was initiated on May 25, 2012 after renewing the contents and methods of registration.

This supplement is for the third year report of the registration after renewed methods. The importance of cancer registration has been recognized widely in Japan, and the number of participating institutions has been increasing. As the result of revision in the regime for the specialists and institutions of head and neck cancer in Japan made the number of participants of this registry larger in 2014, and the number of cases also has been the largest in consequence. Since this vast organ-based registry led by doctors would contribute to the understanding of statistics and modes of treatment of head and neck cancer in detail, other than hospital-based or population-based cancer registry in Japan, the further development of this registry might be necessary and important.

We would like to express the deepest appreciation to Dr. Masahisa Saikawa, the former chairperson of Cancer Registry Committee, who reconstructed the brand-new registration system. Furthermore, we would like to express our gratitude to all the doctors in the participating institutions and the members of UMIN Center as well.

October 16, 2015

Ryuichi Hayashi, MD
Chairperson of the Board of Directors
Satoshi Fukuda, MD
Chief Director of Cancer Registry
Munanaga Nakamizo, MD
Chairperson of Cancer Registry Committee
Japan Society for Head and Neck Cancer

Cancer Registry Committee 2014,
Japan Society for Head and Neck Cancer

| | |
|-------------|---|
| Directors | Satoshi Fukuda, Ryuichi Hayashi, Yasumasa Nishimura |
| Chairperson | Munenaga Nakamizo |
| Members | Yoshihide Ota, Hideaki Chazono, Katsumasa Nakamura, Hiroyuki Harada, Yasushi Fujimoto, and Seiichi Yoshimoto |

Data Collection

All the doctors who are members of Japan Society for Head and Neck Cancer are advised to participate in the registration. More than one who expressed their cooperation in an institution could be a participant of the registration. A participant was provided a UMIN (University hospital Medical Information Network in Japan) ID and a password for INDICE (Internet Data and Information Center for Medical Research) from the UMIN center and registered data of the cases in his institute to the INDICE system on line. The completed registration provides information regarding patients' age, gender, tumor pathology, TNM classification, therapies (surgery, radiation and chemotherapy), and prognosis. In this year, the third year of resumption, all the data stored in the INDICE system were reviewed by head and neck oncologists and analyzed from all aspects, except regarding prognosis.

Registration was restricted to previously untreated malignant head and neck tumor cases which had pathological confirmation, i.e. in the oral cavity, larynx, hypopharynx, oropharynx, nasopharynx, nasal cavity, paranasal sinuses, and major salivary glands. Tumors arising in the cervical esophagus and thyroid gland were excluded from the registry. These head and neck tumors were classified according the General Rules for Clinical Studies on Head and Neck Cancer (The Fifth Edition, June 2012, Japan Society for Head and Neck Cancer), which are based on the TNM Classification of Malignant Tumours (Seventh Edition, 2009) of the International Union Against Cancer (UICC).

From Oct. 29, 2013 to Dec. 11, 2014, a total of 7,800 cases in 2013 were registered from 116 institutions. Three hundred and forty two cases were excluded (because of the unknown presentation of diseases: 95; unknown aim for therapies: 29; previously treated cases: 217; without reported pathology: 1), making the total number of registered patients 7,458. The starting date of initial therapy for 2013 cases was during the period from Jan. 1 to Dec. 31, 2013.

List of 116 Institutions which participated in the Registry in 2013

1. Department of Otorhinolaryngology, Asahikawa Medical University Hospital
2. Department of Otorhinolaryngology, Japanese Red Cross Kitami Hospital
3. Department of Dentistry and Oral Surgery, Hokuto Hospital
4. Department of Oral Surgery, Hokkaido University Hospital
5. Department of Otorhinolaryngology, Hokkaido University Hospital
6. Department of Oral Surgery and Otorhinolaryngology, Sapporo Medical University Hospital
7. Department of Head and Neck Surgery, Hokkaido Cancer Center
8. Department of Otorhinolaryngology, Teine Keijinkai Hospital
9. Department of Otorhinolaryngology, Hirosaki University Hospital
10. Department of Otorhinolaryngology, Iwate Medical University Hospital
11. Department of Otorhinolaryngology, Akita University Hospital
12. Department of Otorhinolaryngology, Omagari Kousei Medical Center
13. Department of Otorhinolaryngology, Tohoku University Hospital
14. Department of Otorhinolaryngology, Sendai Medical Center
15. Department of Head and Neck Surgery, Miyagi Cancer Center
16. Department of Otorhinolaryngology, Fukushima Medical University Hospital
17. Department of Otorhinolaryngology, Minami Tohoku Hospital
18. Department of Otorhinolaryngology, Ibaraki Prefectural Central Hospital
19. Department of Dentistry and Oral Surgery, Tochigi Medical Center
20. Department of Otorhinolaryngology, Jichi University Hospital
21. Department of Otorhinolaryngology, Dokkyo Medical University Hospital
22. Department of Head and Neck Surgery, Gunma Prefectural Cancer Center
23. Department of Otorhinolaryngology, Ageo Central General Hospital
24. Department of Oral Surgery, Saitama Cancer Center
25. Department of Head and Neck Surgery, Saitama Cancer Center
26. Department of Head and Neck Surgery, Saitama Medical University International Medical Center
27. Department of Otorhinolaryngology, National Defense Medical College Hospital
28. Department of Otorhinolaryngology, Chiba University Hospital

29. Division of Head and Neck Surgery, National Cancer Center Hospital East
30. Department of Otorhinolaryngology, Teikyo University Hospital
31. Division of Head and Neck Surgery, Nerima Hikarigaoka Hospital
32. Department of Oral Surgery, Tokyo Metropolitan Ohtsuka Hospital
33. Department of Otorhinolaryngology, Tokyo Metropolitan Cancer and Infectious Disease Center Komagome Hospital
34. Department of Otorhinolaryngology, Keio University Hospital
35. Department of Otorhinolaryngology, Nippon Medical School Hospital
36. Department of Otorhinolaryngology, The University of Tokyo Hospital
37. Department of Maxillofacial Surgery, Faculty of Dentistry, Tokyo Medical and Dental University Hospital
38. Department of Oral and Maxillofacial Surgery, Faculty of Dentistry, Tokyo Medical and Dental University Hospital
39. Department of Otorhinolaryngology, Head and Neck Surgery, Faculty of Medicine, Tokyo Medical and Dental University Hospital
40. Department of Oral Surgery, Nippon Dental University Hospital
41. Department of Otorhinolaryngology, Tokyo Medical University Hospital
42. Department of Head and Neck Surgery, National Cancer Center Hospital
43. Department of Head and Neck Surgery, Cancer Institute Hospital
44. Department of Otorhinolaryngology, Jikei University Hospital
45. Department of Otorhinolaryngology and Oral Surgery, Tokyo Medical Center
46. Department of Otorhinolaryngology, Showa University Hospital
47. Department of Otorhinolaryngology, NTT Medical Center Tokyo
48. Department of Dentistry and Oral Surgery, Tokyo Metropolitan Tama Medical Center
49. Department of Otorhinolaryngology, Tokyo Medical University, Hachioji Medical Center
50. Department of Otorhinolaryngology, St. Marianna University School of Medicine Hospital
51. Department of Otorhinolaryngology, Showa University Northern Yokohama

Hospital

52. Department of Oral and Maxillofacial Surgery, Tsurumi University Dental Hospital
53. Department of Dentistry and Oral Surgery, Yokohama City University Hospital
54. Department of Otorhinolaryngology, Yokohama City University Hospital
55. Department of Otorhinolaryngology, Yokohama City University Medical Center
56. Department of Otorhinolaryngology, Kitasato University Hospital
57. Department of Otorhinolaryngology, Tokai University Hospital
58. Department of Otorhinolaryngology, Yokosuka Kyosai Hospital
59. Department of Otorhinolaryngology, Yamanashi University Hospital
60. Department of Otorhinolaryngology and Oral surgery, Yamanashi Prefectural Central Hospital
61. Department of Otorhinolaryngology, Niigata University Medical and Dental Hospital
62. Department of Oral Reconstructive Surgery, Niigata University Medical and Dental Hospital
63. Department of Head and Neck Surgery, Niigata Cancer Center
64. Department of Otorhinolaryngology, Niigata City General Hospital
65. Department of Otorhinolaryngology, Japanese Red Cross Nagaoka Hospital
66. Department of Dentistry and Oral Surgery, Kouseiren Takaoka Hospital
67. Department of Otorhinolaryngology, Ishikawa Prefectural Central Hospital
68. Department of Otorhinolaryngology, Kanazawa University Hospital
69. Department of Head and Neck Surgery, Shizuoka Cancer Center
70. Department of Otorhinolaryngology, Japanese Red Cross Shizuoka Hospital
71. Department of Otorhinolaryngology, Hamamatsu University Hospital
72. Department of Otorhinolaryngology, Seirei Hamamatsu General Hospital
73. Department of Otorhinolaryngology, Toyohashi Municipal Hospital
74. Department of Otorhinolaryngology, Fujita Health University Hospital
75. Department of Head and Neck Surgery, Aichi Cancer Center
76. Department of Otorhinolaryngology, Japanese Red Cross Nagoya Daiichi Hospital

77. Department of Otorhinolaryngology, Nagoya University Hospital
78. Department of Otorhinolaryngology, Gifu University Hospital
79. Department of Otorhinolaryngology, Oogaki Municipal Hospital
80. Department of Otorhinolaryngology, Head and Neck Surgery, Mie University Hospital
81. Department of Otorhinolaryngology, Head and Neck Surgery, Kyoto University Hospital
82. Department of Otorhinolaryngology, Kyoto Prefectural University Hospital
83. Department of Otorhinolaryngology, Kyoto Medical Center
84. Department of Otorhinolaryngology, Japanese Red Cross Kyoto Daiichi Hospital
85. Department of Otorhinolaryngology and Oral Surgery, Nara Medical University Hospital
86. Department of Oral Surgery, Osaka Dental University Hospital
87. Department of Otorhinolaryngology, Head and Neck Surgery, Osaka Medical College Hospital
88. Department of Otorhinolaryngology, Osaka Medical Center for Cancer and Cardiovascular Disease
89. Department of Otorhinolaryngology, Japanese Red Cross Osaka Hospital
90. Department of Otorhinolaryngology, Osaka City University Hospital
91. Department of Otorhinolaryngology, Osaka City General Hospital
92. Department of Otorhinolaryngology, Osaka General Medical Center
93. Department of Otorhinolaryngology, Kansai Medical University Hirakata Hospital
94. Department of Otorhinolaryngology, Kansai Medical University Takii Hospital
95. Department of Oral and Maxillofacial Surgery, Kinki University Hospital
96. Department of Otorhinolaryngology, Kishiwada City Hospital
97. Department of Oral Surgery and Otorhinolaryngology, Wakayama Medical University Hospital
98. Department of Otorhinolaryngology, Kobe University Hospital
99. Department of Head and Neck Surgery and Oral surgery, Hyogo Cancer Center
100. Department of Otorhinolaryngology, Tottori University Hospital

101. Department of Otorhinolaryngology, Okayama University Hospital
102. Department of Otorhinolaryngology, Fukuyama City Hospital
103. Department of Otorhinolaryngology, Hiroshima University Hospital
104. Department of Otorhinolaryngology, Miyoshi Central Hospital
105. Department of Dentistry and Oral Surgery, Tokushima University Hospital
106. Department of Otorhinolaryngology, Tokushima Municipal Hospital
107. Department of Head and Neck Surgery, Shikoku Cancer Center
108. Department of Otorhinolaryngology, Kochi Health Sciences Center
109. Department of Otorhinolaryngology, Kyushu University Hospital
110. Department of Oral and Maxillofacial Surgery, Kyushu University Hospital
111. Department of Head and Neck Surgery, Kyushu Cancer Center
112. Department of Otorhinolaryngology, Ureshino Medical Center
113. Department of Otorhinolaryngology, Kurume University Hospital
114. Department of Otorhinolaryngology, Kumamoto University Hospital
115. Department of Otorhinolaryngology, Kagoshima City Hospital
116. Department of Otorhinolaryngology, Ryukyu University Hospital

Contents

| | |
|---|-----|
| List of 116 Institutions which participated in the Registry in 2013 ----- | iii |
| Total Cases ----- | 1 |
| Oral Cavity ----- | 15 |
| Larynx ----- | 33 |
| Hypopharynx ----- | 52 |
| Oropharynx ----- | 72 |
| Nasopharynx ----- | 81 |
| Nasal Cavity and Paranasal Sinuses Excluding the Maxillary Sinus ----- | 89 |
| Maxillary Sinus ----- | 97 |
| Major Salivary Glands ----- | 103 |

Total Cases (2013)

7458 Cases

Head and Neck Cancer ----- 7458 Cases

Primary Site

| Site | Number of patients (%) | |
|--------------------------|------------------------|---------|
| 1) Oral cavity | 2202 | (29.5) |
| 2) Larynx | 1520 | (20.4) |
| 3) Hypopharynx | 1481 | (19.8) |
| 4) Oropharynx | 1099 | (14.7) |
| 5) Nasopharynx | 236 | (3.2) |
| 6) Nasal cavity, etc | 230 | (3.1) |
| 7) Maxillary sinus | 290 | (3.9) |
| 8) Major salivary glands | 400 | (5.4) |
| Total | 7458 | (100.0) |

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

Age Distribution by Gender

| Age | Male | Female | Total |
|-----------|------|--------|-------|
| 0 - 9 | 0 | 1 | 1 |
| 10 - 19 | 12 | 6 | 18 |
| 20 - 29 | 29 | 11 | 40 |
| 30 - 39 | 103 | 77 | 180 |
| 40 - 49 | 314 | 117 | 431 |
| 50 - 59 | 838 | 241 | 1079 |
| 60 - 69 | 2187 | 390 | 2577 |
| 70 - 79 | 1779 | 425 | 2204 |
| 80 - 89 | 615 | 243 | 858 |
| 90 - 99 | 34 | 34 | 68 |
| 100 - 109 | 1 | 1 | 2 |
| Total | 5912 | 1546 | 7458 |

Head and Neck Cancer ——— 7458 Cases

Histological Distribution by Primary Site

| Histologic type | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | Total |
|---|-------------|--------|--------------|-------------|--------------|--------------------|-----------------|-----------------------|-------|
| | Oral cavity | Larynx | Hypo-pharynx | Oro-pharynx | Naso-pharynx | Nasal cavity, etc. | Maxillary sinus | Major salivary glands | |
| Acinic cell ca. | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 23 |
| Adenocarcinoma, NOS | 6 | 2 | 1 | 2 | 1 | 7 | 6 | 51 | 76 |
| Adenoid cystic ca. | 19 | 4 | 0 | 5 | 4 | 14 | 9 | 64 | 119 |
| Adenosquamous ca. | 5 | 3 | 2 | 0 | 0 | 0 | 1 | 2 | 13 |
| Basal cell adenocarcinoma | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 7 |
| Basal cell ca., NOS | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 4 |
| Basaloid S.C.C. | 1 | 4 | 3 | 7 | 0 | 0 | 0 | 0 | 15 |
| Blue nevus, malig. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carcinoid tumor, NOS | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Ca. ex pleomorphic adenoma | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 40 | 42 |
| Ca., NOS | 3 | 6 | 4 | 6 | 12 | 4 | 7 | 10 | 52 |
| Ca., undiff., NOS | 3 | 0 | 1 | 2 | 17 | 7 | 3 | 7 | 40 |
| Carcinosarcoma, NOS | 0 | 0 | 0 | 1 | 0 | 1 | 5 | 3 | 10 |
| Chondrosarcoma, NOS | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| Clear cell ca., NOS | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 3 |
| Cystic adenocarcinoma | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Epithelial-myoepithelial ca. | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 9 | 11 |
| Ewing sarcoma, NOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fibrosarcoma, NOS | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Giant cell sarcoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hemangiosarcoma | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Large cell carcinoma, NOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Leiomyosarcoma, NOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Liposarcoma, NOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Low-grade cribriform cystadenocarcinoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lymphoepithelial ca. | 0 | 2 | 2 | 3 | 21 | 0 | 0 | 2 | 30 |
| Malig.fibrous histiocytoma | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Malig. lymphoma, NOS | 2 | 0 | 0 | 17 | 3 | 13 | 2 | 13 | 50 |
| Malig. melanoma, NOS | 7 | 0 | 0 | 1 | 1 | 40 | 7 | 0 | 56 |
| Malig. spindle cell tumor | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Metastasizing pleomorphic adenoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mixed tumor, malig., NOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mucinous adenocarcinoma | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Mucoepidermoid ca. | 15 | 3 | 2 | 3 | 1 | 1 | 2 | 47 | 74 |
| Myoepithelial ca. | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 10 | 11 |
| Neoplasm, malig. | 4 | 3 | 3 | 6 | 0 | 3 | 4 | 1 | 24 |
| Neuroendocrine ca., NOS | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| Olfactory neuroblastoma | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 25 |
| Oncocytic ca. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Osteosarcoma, NOS | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Papillary S.C.C. | 2 | 2 | 2 | 4 | 0 | 1 | 0 | 0 | 11 |
| Plasmacytoma, NOS | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Polymorphous low grade adenocarcinoma | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 |
| Rhabdomyosarcoma, NOS | 2 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 5 |
| Salivary duct ca. | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 61 | 63 |
| Sebaceous ca. | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| Sebaceous lymphadenocarcinoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sialoblastoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Small cell ca., NOS | 1 | 2 | 2 | 2 | 1 | 3 | 2 | 2 | 15 |
| Spindle cell ca., NOS | 8 | 9 | 3 | 2 | 0 | 0 | 3 | 0 | 25 |
| S.C.C. in situ with quest. stromal invasion | 0 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 5 |
| S.C.C. in situ, NOS | 58 | 38 | 67 | 13 | 0 | 2 | 0 | 0 | 178 |
| S.C.C. kerat., NOS | 168 | 97 | 66 | 46 | 3 | 6 | 8 | 1 | 395 |
| S.C.C. large cell, nonkerat. | 0 | 1 | 3 | 18 | 13 | 2 | 1 | 0 | 38 |
| S.C.C. microinvasive | 9 | 2 | 12 | 4 | 0 | 0 | 0 | 0 | 27 |
| S.C.C., NOS | 1837 | 1331 | 1295 | 940 | 139 | 90 | 224 | 41 | 5897 |
| S.C.C., small cell, nonkera. | 3 | 4 | 6 | 6 | 19 | 0 | 3 | 0 | 41 |
| S.C.C. spindle cell | 2 | 1 | 2 | 1 | 0 | 0 | 2 | 1 | 9 |
| Transitionl cell ca., NOS | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 4 |
| Verrucous ca., NOS | 33 | 2 | 0 | 1 | 0 | 3 | 0 | 0 | 39 |
| Total | 2202 | 1520 | 1481 | 1099 | 236 | 230 | 290 | 400 | 7458 |

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

NOS: not otherwise specified.

undiff.: undifferentiated.

nonkerat.: nonkeratinizing.

S.C.C.: squamous cell carcinoma.

quest.: questionable.

ca., Ca.: carcinoma.

malig., Malig.: malignant.

kerat.: keratinaizing.

Histological Distribution by Primary Site (Male)

| Histologic type | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | Total |
|---|-------------|--------|--------------|-------------|--------------|--------------------|-----------------|-----------------------|-------|
| | Oral cavity | Larynx | Hypo-pharynx | Oro-pharynx | Naso-pharynx | Nasal cavity, etc. | Maxillary sinus | Major salivary glands | |
| Acinic cell ca. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 14 |
| Adenocarcinoma, NOS | 3 | 2 | 1 | 1 | 1 | 5 | 4 | 43 | 60 |
| Adenoid cystic ca. | 4 | 2 | 0 | 1 | 1 | 8 | 4 | 28 | 48 |
| Adenosquamous ca. | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 1 | 9 |
| Basal cell adenocarcinoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Basal cell ca., NOS | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 3 |
| Basaloid S.C.C. | 0 | 4 | 3 | 6 | 0 | 0 | 0 | 0 | 13 |
| Blue nevus, malig. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carcinoid tumor, NOS | | | | | | | | | 0 |
| Ca. ex pleomorphic adenoma | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 28 | 30 |
| Ca., NOS | 1 | 6 | 4 | 4 | 11 | 3 | 5 | 6 | 40 |
| Ca., undiff., NOS | 2 | 0 | 0 | 2 | 12 | 4 | 3 | 7 | 30 |
| Carcinosarcoma, NOS | 0 | 0 | 0 | 1 | 0 | 1 | 4 | 1 | 7 |
| Chondrosarcoma, NOS | | | | | | | | | 0 |
| Clear cell ca., NOS | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| Cystic adenocarcinoma | | | | | | | | | 0 |
| Epithelial-myoepithelial ca. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| Ewing sarcoma, NOS | | | | | | | | | 0 |
| Fibrosarcoma, NOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Giant cell sarcoma | | | | | | | | | 0 |
| Hemangiosarcoma | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Large cell carcinoma, NOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Leiomyosarcoma, NOS | | | | | | | | | 0 |
| Liposarcoma, NOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Low-grade cribriform cystadenocarcinoma | | | | | | | | | 0 |
| Lymphoepithelial ca. | 0 | 1 | 1 | 3 | 16 | 0 | 0 | 1 | 22 |
| Malig. fibrous histiocytoma | | | | | | | | | 0 |
| Malig. lymphoma, NOS | 2 | 0 | 0 | 11 | 1 | 8 | 2 | 7 | 31 |
| Malig. melanoma, NOS | 4 | 0 | 0 | 0 | 0 | 16 | 2 | 0 | 22 |
| Malig. spindle cell tumor | | | | | | | | | 0 |
| Metastasizing pleomorphic adenoma | | | | | | | | | 0 |
| Mixed tumor, malig., NOS | | | | | | | | | 0 |
| Mucinous adenocarcinoma | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Mucoepidermoid ca. | 8 | 3 | 2 | 2 | 1 | 1 | 1 | 28 | 46 |
| Myoepithelial ca. | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 6 |
| Neoplasm, malig. | 4 | 3 | 3 | 4 | 0 | 2 | 3 | 1 | 20 |
| Neuroendocrine ca., NOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Olfactory neuroblastoma | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 12 |
| Oncocytic ca. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Osteosarcoma, NOS | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Papillary S.C.C. | 2 | 2 | 2 | 3 | 0 | 1 | 0 | 0 | 10 |
| Plasmacytoma, NOS | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Polymorphous low grade adenocarcinoma | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 |
| Rhabdomyosarcoma, NOS | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 4 |
| Salivary duct ca. | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 57 | 59 |
| Sebaceous ca. | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| Sebaceous lymphadenocarcinoma | | | | | | | | | 0 |
| Sialoblastoma | | | | | | | | | 0 |
| Small cell ca., NOS | 1 | 1 | 2 | 2 | 1 | 3 | 2 | 1 | 13 |
| Spindle cell ca., NOS | 6 | 9 | 2 | 1 | 0 | 0 | 3 | 0 | 21 |
| S.C.C. in situ with quest. stromal invasion | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 4 |
| S.C.C. in situ, NOS | 32 | 34 | 65 | 11 | 0 | 1 | 0 | 0 | 143 |
| S.C.C. kerat., NOS | 95 | 93 | 60 | 43 | 3 | 3 | 8 | 1 | 306 |
| S.C.C. large cell, nonkerat. | 0 | 1 | 3 | 15 | 9 | 1 | 0 | 0 | 29 |
| S.C.C. microinvasive | 7 | 2 | 12 | 3 | 0 | 0 | 0 | 0 | 24 |
| S.C.C., NOS | 1175 | 1246 | 1196 | 797 | 109 | 65 | 174 | 36 | 4798 |
| S.C.C., small cell, nonkera. | 2 | 4 | 6 | 5 | 16 | 0 | 1 | 0 | 34 |
| S.C.C. spindle cell | 1 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | 6 |
| Transitionl cell ca., NOS | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 3 |
| Verrucous ca., NOS | 19 | 2 | 0 | 1 | 0 | 2 | 0 | 0 | 24 |
| Total | 1378 | 1420 | 1371 | 922 | 182 | 140 | 219 | 280 | 5912 |

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

NOS: not otherwise specified.

undiff.: undifferentiated.

nonkerat.: nonkeratinizing.

S.C.C.: squamous cell carcinoma.

quest.: questionable.

ca., Ca.: carcinoma.

malig., Malig.: malignant.

kerat.: keratinizing.

Head and Neck Cancer ----- 7458 Cases

Histological Distribution by Primary Site (Female)

| Histologic type | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | Total |
|---|-------------|--------|--------------|-------------|--------------|--------------------|-----------------|-----------------------|-------|
| | Oral cavity | Larynx | Hypo-pharynx | Oro-pharynx | Naso-pharynx | Nasal cavity, etc. | Maxillary sinus | Major salivary glands | |
| Acinic cell ca. | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 9 |
| Adenocarcinoma, NOS | 3 | 0 | 0 | 1 | 0 | 2 | 2 | 8 | 16 |
| Adenoid cystic ca. | 15 | 2 | 0 | 4 | 3 | 6 | 5 | 36 | 71 |
| Adenosquamous ca. | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 |
| Basal cell adenocarcinoma | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 5 |
| Basal cell ca., NOS | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Basaloid S.C.C. | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| Blue nevus, malig. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carcinoid tumor, NOS | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Ca. ex pleomorphic adenoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 12 |
| Ca., NOS | 2 | 0 | 0 | 2 | 1 | 1 | 2 | 4 | 12 |
| Ca., undiff., NOS | 1 | 0 | 1 | 0 | 5 | 3 | 0 | 0 | 10 |
| Carcinosarcoma, NOS | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 |
| Chondrosarcoma, NOS | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| Clear cell ca., NOS | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| Cystic adenocarcinoma | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Epithelial-myoepithelial ca. | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 4 | 6 |
| Ewing sarcoma, NOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fibrosarcoma, NOS | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Giant cell sarcoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hemangiosarcoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Large cell carcinoma, NOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Leiomyosarcoma, NOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Liposarcoma, NOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Low-grade cribriform cystadenocarcinoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lymphoepithelial ca. | 0 | 1 | 1 | 0 | 5 | 0 | 0 | 1 | 8 |
| Malig. fibrous histiocytoma | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Malig. lymphoma, NOS | 0 | 0 | 0 | 6 | 2 | 5 | 0 | 6 | 19 |
| Malig. melanoma, NOS | 3 | 0 | 0 | 1 | 1 | 24 | 5 | 0 | 34 |
| Malig. spindle cell tumor | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Metastasizing pleomorphic adenoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mixed tumor, malig., NOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mucinous adenocarcinoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mucoepidermoid ca. | 7 | 0 | 0 | 1 | 0 | 0 | 1 | 19 | 28 |
| Myoepithelial ca. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| Neoplasm, malig. | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 4 |
| Neuroendocrine ca., NOS | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| Olfactory neuroblastoma | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 13 |
| Oncocytic ca. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Osteosarcoma, NOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Papillary S.C.C. | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| Plasmacytoma, NOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Polymorphous low grade adenocarcinoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhabdomyosarcoma, NOS | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Salivary duct ca. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 |
| Sebaceous ca. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sebaceous lymphadenocarcinoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sialoblastoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Small cell ca., NOS | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| Spindle cell ca., NOS | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 4 |
| S.C.C. in situ with quest. stromal invasion | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| S.C.C. in situ, NOS | 26 | 4 | 2 | 2 | 0 | 1 | 0 | 0 | 35 |
| S.C.C. kerat., NOS | 73 | 4 | 6 | 3 | 0 | 3 | 0 | 0 | 89 |
| S.C.C. large cell, nonkerat. | 0 | 0 | 0 | 3 | 4 | 1 | 1 | 0 | 9 |
| S.C.C. microinvasive | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 |
| S.C.C., NOS | 662 | 89 | 98 | 143 | 30 | 25 | 50 | 5 | 1099 |
| S.C.C., small cell, nonkera. | 1 | 0 | 0 | 1 | 3 | 0 | 2 | 0 | 7 |
| S.C.C. spindle cell | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 3 |
| Transitionl cell ca., NOS | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Verrucous ca., NOS | 14 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 15 |
| Total | 824 | 104 | 109 | 177 | 54 | 90 | 71 | 120 | 1546 |

Nasal cavity, etc.: nasal cavity and paranasal sinuses (excluding the maillary sinus).
 NOS: not otherwise specified.
 undiff.: undifferentiated.
 nonkerat.: nonkeratinizing.

S.C.C.: squamous cell carcinoma.
 quest.: questionable.

ca., Ca.: carcinoma.
 malig., Malig.: malignant.
 kerat.: keratinaizing.

Head and Neck Cancer ----- 7458 Cases

T and N Status

| | N0 | N1 | N2 | N2a | N2b | N2c | N3 | N3a | N3b | NX | N- | Total |
|-------|------|-----|----|-----|------|-----|-----|-----|-----|----|-----|-------|
| T0 | 2 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Tis | 149 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 5 | 158 |
| T1 | 1252 | 51 | 13 | 23 | 96 | 13 | 17 | 0 | 6 | 0 | 9 | 1480 |
| T2 | 1301 | 250 | 22 | 53 | 369 | 120 | 33 | 1 | 7 | 3 | 14 | 2173 |
| T3 | 556 | 152 | 21 | 16 | 265 | 156 | 30 | 0 | 3 | 2 | 1 | 1202 |
| T4 | 52 | 38 | 27 | 1 | 24 | 15 | 5 | 0 | 4 | 1 | 1 | 168 |
| T4a | 488 | 157 | 4 | 16 | 434 | 242 | 28 | 0 | 0 | 1 | 7 | 1377 |
| T4b | 99 | 19 | 1 | 7 | 54 | 40 | 11 | 0 | 0 | 0 | 1 | 232 |
| TX | 8 | 3 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 26 | 1 | 44 |
| T- | 52 | 4 | 0 | 0 | 12 | 6 | 2 | 0 | 1 | 3 | 539 | 619 |
| Total | 3959 | 675 | 88 | 117 | 1263 | 592 | 126 | 1 | 21 | 38 | 578 | 7458 |

T-: not within defined T classification or without reported T classification.

N-: not within defined N classification or without reported N classification.

T and N Status (M0 Cases)

| | N0 | N1 | N2 | N2a | N2b | N2c | N3 | N3a | N3b | NX | N- | Total |
|-------|------|-----|----|-----|------|-----|-----|-----|-----|----|----|-------|
| T0 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Tis | 147 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 2 | 153 |
| T1 | 1229 | 49 | 12 | 23 | 90 | 12 | 15 | 0 | 5 | 0 | 3 | 1438 |
| T2 | 1276 | 242 | 19 | 51 | 337 | 108 | 29 | 1 | 6 | 1 | 10 | 2080 |
| T3 | 539 | 144 | 21 | 14 | 246 | 143 | 26 | 0 | 2 | 0 | 0 | 1135 |
| T4 | 48 | 36 | 22 | 1 | 15 | 15 | 1 | 0 | 1 | 0 | 1 | 140 |
| T4a | 461 | 145 | 4 | 16 | 393 | 215 | 25 | 0 | 0 | 0 | 7 | 1266 |
| T4b | 92 | 17 | 1 | 6 | 42 | 33 | 7 | 0 | 0 | 0 | 1 | 199 |
| TX | 8 | 3 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 17 |
| T- | 51 | 4 | 0 | 0 | 11 | 4 | 2 | 0 | 1 | 0 | 5 | 78 |
| Total | 3852 | 641 | 79 | 112 | 1142 | 530 | 105 | 1 | 15 | 4 | 29 | 6510 |

T-: not within defined T classification or without reported T classification.

N-: not within defined N classification or without reported N classification.

Head and Neck Cancer ----- 7458 Cases

T and N status (M1 Cases)

| | N0 | N1 | N2 | N2a | N2b | N2c | N3 | N3a | N3b | NX | N- | Total |
|-------|----|----|----|-----|-----|-----|----|-----|-----|----|----|-------|
| T0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Tis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| T1 | 0 | 1 | 1 | 0 | 3 | 1 | 2 | 0 | 1 | 0 | 1 | 10 |
| T2 | 9 | 4 | 2 | 1 | 21 | 11 | 3 | 0 | 1 | 0 | 0 | 52 |
| T3 | 3 | 3 | 0 | 1 | 15 | 12 | 3 | 0 | 1 | 0 | 0 | 38 |
| T4 | 2 | 2 | 4 | 0 | 5 | 0 | 4 | 0 | 3 | 0 | 0 | 20 |
| T4a | 13 | 7 | 0 | 0 | 27 | 25 | 0 | 0 | 0 | 0 | 0 | 73 |
| T4b | 6 | 1 | 0 | 1 | 9 | 4 | 4 | 0 | 0 | 0 | 0 | 25 |
| TX | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| T- | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 4 |
| Total | 34 | 18 | 7 | 3 | 81 | 55 | 16 | 0 | 6 | 1 | 3 | 225 |

T-: not within defined T classification or without reported T classification.

N-: not within defined N classification or without reported N classification.

T and N status (MX & M- Cases)

| | N0 | N1 | N2 | N2a | N2b | N2c | N3 | N3a | N3b | NX | N- | Total |
|-------|----|----|----|-----|-----|-----|----|-----|-----|----|-----|-------|
| T0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tis | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 |
| T1 | 23 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 5 | 32 |
| T2 | 16 | 4 | 1 | 1 | 11 | 1 | 1 | 0 | 0 | 2 | 3 | 40 |
| T3 | 14 | 5 | 0 | 1 | 4 | 1 | 1 | 0 | 0 | 2 | 1 | 29 |
| T4 | 2 | 0 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 8 |
| T4a | 14 | 5 | 0 | 0 | 14 | 2 | 1 | 0 | 0 | 1 | 0 | 37 |
| T4b | 1 | 1 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 8 |
| TX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 23 |
| T- | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 538 | 541 |
| Total | 73 | 16 | 2 | 2 | 40 | 7 | 3 | 0 | 0 | 30 | 550 | 723 |

M-: without reported M classification.

T-: not within defined T classification or without reported T classification.

N-: not within defined N classification or without reported N classification.

Head and Neck cancer ——— 7458 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, etc. | (7) Maxillary sinus | (8) Major Salivary gl. | Total |
|------------------|--------------------|---------------|---------------------|--------------------|---------------------|---------------------------|------------------------|---------------------------|-------|
| Surgery | | | | | | | | | |
| Without | 316 | 844 | 758 | 709 | 193 | 121 | 157 | 52 | 3150 |
| With | 1754 | 544 | 626 | 306 | 5 | 84 | 108 | 311 | 3738 |
| Unknown | 132 | 132 | 86 | 84 | 38 | 25 | 25 | 37 | 559 |
| Radiotherapy | | | | | | | | | |
| Without | 1631 | 455 | 555 | 444 | 18 | 102 | 60 | 200 | 3465 |
| With | 430 | 956 | 842 | 575 | 180 | 103 | 205 | 162 | 3453 |
| Unknown | 130 | 109 | 83 | 80 | 38 | 25 | 25 | 36 | 526 |
| Chemotherapy | | | | | | | | | |
| Without | 1548 | 917 | 587 | 489 | 36 | 138 | 73 | 272 | 4060 |
| With | 524 | 494 | 810 | 531 | 162 | 67 | 192 | 90 | 2870 |
| Unknown | 130 | 109 | 84 | 79 | 38 | 25 | 25 | 38 | 528 |
| Total | 2202 | 1520 | 1481 | 1099 | 236 | 230 | 290 | 400 | 7458 |

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

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, etc. | (7) Maxillary sinus | (8) Major Salivary gl. | Total |
|------------------|--------------------|---------------|---------------------|--------------------|---------------------|---------------------------|------------------------|---------------------------|-------|
| Surgery | | | | | | | | | |
| Without | 1241 | 1065 | 868 | 691 | 183 | 184 | 215 | 147 | 4594 |
| With | 798 | 280 | 481 | 315 | 3 | 13 | 47 | 216 | 2153 |
| Unknown | 163 | 175 | 131 | 93 | 50 | 33 | 28 | 37 | 710 |
| Radiotherapy | | | | | | | | | |
| Without | 1723 | 1125 | 721 | 440 | 36 | 174 | 201 | 239 | 4659 |
| With | 318 | 220 | 636 | 567 | 150 | 23 | 61 | 114 | 2089 |
| Unknown | 161 | 175 | 123 | 92 | 50 | 33 | 28 | 47 | 709 |
| Chemotherapy | | | | | | | | | |
| Without | 1689 | 1103 | 780 | 473 | 49 | 175 | 195 | 276 | 4740 |
| With | 352 | 242 | 579 | 534 | 137 | 22 | 67 | 77 | 2010 |
| Unknown | 161 | 175 | 122 | 92 | 50 | 33 | 28 | 47 | 708 |
| Total | 2202 | 1520 | 1481 | 1099 | 236 | 230 | 290 | 400 | 7458 |

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, etc. | (7) Maxillary sinus | (8) Major salivary glands | Total |
|---------------------------------|--------------------|---------------|---------------------|--------------------|---------------------|---------------------------|------------------------|------------------------------|-------|
| No treatment | 60 | 35 | 55 | 55 | 9 | 14 | 11 | 19 | 258 |
| A) Surg. alone | 1351 | 373 | 367 | 221 | 2 | 44 | 27 | 153 | 2538 |
| F) (Rad.+Chem.) | 106 | 320 | 347 | 267 | 93 | 33 | 96 | 10 | 1272 |
| B) Rad. alone | 45 | 419 | 94 | 97 | 22 | 24 | 12 | 6 | 719 |
| AB) Surg.->Rad. | 63 | 54 | 43 | 30 | 1 | 24 | 19 | 88 | 322 |
| CF) Chem.->(Rad.+Chem.) | 10 | 26 | 145 | 106 | 19 | 7 | 9 | 0 | 322 |
| AF) Surg.->(Rad.+Chem.) | 75 | 35 | 62 | 46 | | 8 | 15 | 34 | 275 |
| CA) Chem.->Surg. | 102 | 16 | 43 | 23 | 0 | 2 | 6 | 4 | 196 |
| C) Chem. alone | 25 | 9 | 42 | 39 | 5 | 3 | 10 | 11 | 144 |
| FC) (Rad.+Chem.)->Chem. | 13 | 13 | 18 | 19 | 32 | 3 | 5 | 2 | 105 |
| FA) (Rad.+Chem.)->Surg. | 29 | 9 | 12 | 15 | 1 | 3 | 17 | 2 | 88 |
| CAF) Chem.->Surg.->(Rad.+Chem.) | 23 | 3 | 32 | 10 | 0 | 2 | 3 | 1 | 74 |
| AC) Surg.->Chem. | 37 | 4 | 7 | 10 | 0 | 5 | 0 | 7 | 70 |
| CAB) Chem.->Surg.->Rad. | 20 | 3 | 18 | 9 | 0 | 3 | 3 | 4 | 60 |
| CB) Chem.->Rad. | 4 | 4 | 17 | 18 | 3 | 6 | 4 | 2 | 58 |
| CFC) Chem.->(Rad.+Chem.)->Chem. | 1 | 3 | 14 | 14 | 3 | 2 | 3 | 0 | 40 |
| AA) Surg.->Surg. | 16 | 2 | 1 | 1 | 1 | 2 | 0 | 3 | 26 |
| BA) Rad.->Surg. | 4 | 11 | 4 | 1 | 0 | 2 | 1 | 0 | 23 |
| CAC) Chem.->Surg.->Chem. | 14 | 0 | 4 | 2 | 0 | 1 | 1 | 1 | 23 |
| AFC) (Surg.+Chem.) | 8 | 3 | 1 | 2 | 0 | 0 | 1 | 5 | 20 |
| E) (Surg.+Chem.) | 8 | 1 | 7 | 2 | 0 | 0 | 2 | 0 | 20 |
| G) (Surg.+RAD.+Chem.) | 7 | 3 | 6 | 1 | 0 | 1 | 1 | 0 | 19 |
| BC) Rad.->Chem. | 2 | 5 | 4 | 1 | 0 | 0 | 4 | 0 | 16 |
| CFA) Chem.->(Rad.+Chem.)->Surg. | 2 | 3 | 5 | 2 | 0 | 1 | 3 | 0 | 16 |
| Others | 44 | 30 | 34 | 24 | 7 | 13 | 10 | 10 | 172 |
| Unknown | 133 | 136 | 99 | 84 | 38 | 27 | 27 | 38 | 582 |
| Total | 2202 | 1520 | 1481 | 1099 | 236 | 230 | 290 | 400 | 7458 |

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 Cancer ----- 7458 Cases

Surgical Methods for the Primary Lesion by Primary Site

| Surgical method | Primary Site | | | | | | | | Total |
|--|--------------------|---------------|-------------------------|------------------------|-------------------------|------------------------------|---------------------------|------------------------------------|-------|
| | (1) Oral cavity | (2) Larynx | (3) Hypo- pharynx | (4) Oro- pharynx | (5) Naso- pharynx | (6) Nasal cavity, etc. | (7) Maxillary sinus | (8) Major salivary glands | |
| No surgery | 275 | 841 | 757 | 619 | 193 | 96 | 156 | 52 | 2989 |
| A1) Partial glossectomy | 697 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 698 |
| G5) Total laryngectomy | 0 | 289 | 4 | 3 | 0 | 0 | 0 | 0 | 296 |
| F5) Total pharyngolaryngectomy | 0 | 12 | 196 | 6 | 0 | 0 | 0 | 0 | 214 |
| F1)G1) Endoscopic resection | 0 | 40 | 137 | 2 | 0 | 0 | 0 | 0 | 179 |
| D1) Partial maxillectomy | 112 | 0 | 0 | 0 | 1 | 17 | 27 | 0 | 157 |
| A5) Subtotal glossectomy | 138 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 142 |
| C2) Resection of the floor of mouth | 138 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 142 |
| E3) Unilateral resection of the lateral wall of oropharynx | 0 | 0 | 0 | 141 | 0 | 0 | 0 | 0 | 141 |
| G2) Transoral resection | 1 | 130 | 2 | 3 | 0 | 0 | 0 | 0 | 136 |
| B2) Segmental mandibulectomy | 121 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 123 |
| F6) Total pharyngolaryngo- esophagectomy | 0 | 9 | 104 | 1 | 0 | 0 | 0 | 0 | 114 |
| F2) Transoral resection of the pharynx | 0 | 4 | 99 | 4 | 0 | 0 | 0 | 0 | 107 |
| C4) Resection of the buccal mucosa | 106 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 106 |
| B1) Marginal mandibulectomy | 94 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 95 |
| A2) Hemiglossectomy (anterior 2/3 rd s) | 82 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 82 |
| A4) Hemiglossectomy | 82 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 82 |
| H4) Total parotidectomy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 73 | 73 |
| H6) Total submandibulectomy | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 68 | 69 |
| D2) Total maxillectomy | 17 | 0 | 0 | 0 | 0 | 1 | 48 | 0 | 66 |
| H2) Superficial parotidectomy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 | 64 |
| E9) Resection of the oropharynx, NOS | 5 | 0 | 0 | 57 | 0 | 0 | 0 | 1 | 63 |
| C9) Resection of oral cavity, NOS | 50 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 51 |
| H5) Extended parotidectomy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 51 |
| F3) Partial hypopharyngectomy | 0 | 0 | 41 | 0 | 0 | 0 | 0 | 0 | 41 |
| E1) Resection of the root of tongue | 1 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 39 |
| A3) Subtotal glossectomy (anterior 2/3 rd s) | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 30 |
| Others | 121 | 61 | 43 | 130 | 4 | 91 | 34 | 49 | 533 |
| Unknown | 132 | 134 | 98 | 87 | 38 | 25 | 25 | 36 | 575 |
| Total | 2202 | 1520 | 1481 | 1099 | 236 | 230 | 290 | 400 | 7458 |

Head and Neck Cancer ----- 7458 Cases

Neck Dissection on the Ipsilateral Side by Primary Site

| Neck dissection | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | Total |
|------------------------|-------------|-------------|--------------|-------------|--------------|--------------------|-----------------|-----------------------|-------------|
| | Oral cavity | Larynx | Hypo-pharynx | Oro-pharynx | Naso-pharynx | Nasal cavity, etc. | Maxillary sinus | Major salivary glands | |
| 0) No N.D. | 1127 | 1039 | 866 | 695 | 184 | 182 | 213 | 139 | 4445 |
| 1) Total N.D. | 273 | 56 | 144 | 104 | 0 | 1 | 8 | 68 | 654 |
| 2) Selective N.D. | 620 | 244 | 336 | 199 | 2 | 12 | 38 | 140 | 1591 |
| 3) Lymph node excision | 11 | 5 | 1 | 6 | 1 | 1 | 1 | 4 | 30 |
| 8) Others | 2 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 5 |
| 9) Unknown | 169 | 176 | 133 | 93 | 49 | 34 | 30 | 49 | 733 |
| Total | 2202 | 1520 | 1481 | 1099 | 236 | 230 | 290 | 400 | 7458 |

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

N.D.: neck dissection.

Neck Dissection on the Contralateral Side by Primary Site

| Neck dissection | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | Total |
|------------------------|-------------|-------------|--------------|-------------|--------------|--------------------|-----------------|-----------------------|-------------|
| | Oral cavity | Larynx | Hypo-pharynx | Oro-pharynx | Naso-pharynx | Nasal cavity, etc. | Maxillary sinus | Major salivary glands | |
| 0) No N.D. | 1755 | 1163 | 1045 | 928 | 186 | 193 | 256 | 341 | 5867 |
| 1) Total N.D. | 43 | 21 | 45 | 10 | 0 | 1 | 0 | 3 | 123 |
| 2) Selective N.D. | 228 | 158 | 257 | 64 | 1 | 2 | 3 | 7 | 720 |
| 3) Lymph node excision | 8 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 13 |
| 8) Others | 1 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 4 |
| 9) Unknown | 167 | 176 | 133 | 93 | 49 | 34 | 30 | 49 | 731 |
| Total | 2202 | 1520 | 1481 | 1099 | 236 | 230 | 290 | 400 | 7458 |

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

N.D.: neck dissection.

Head and Neck Cancer ----- 7458 Cases

Reconstructive Surgery by Primary Site

| Reconstructive surgery | (1) Oral cavity | (2) Larynx | (3) Hypo-pharynx | (4) Oro-pharynx | (5) Naso-pharynx | (6) Nasal cavity, etc. | (7) Maxillary sinus | (8) Major salivary glands | Total |
|--------------------------|--------------------|---------------|---------------------|--------------------|---------------------|---------------------------|------------------------|------------------------------|-------------|
| 0) No reconstruction | 1376 | 1345 | 1013 | 883 | 197 | 181 | 214 | 275 | 5484 |
| B) Free jejunal flap | 0 | 27 | 288 | 9 | 0 | 0 | 0 | 0 | 324 |
| D) Free RA MC flap | 197 | 1 | 0 | 38 | 1 | 8 | 32 | 12 | 289 |
| E) Free ALT flap | 153 | 5 | 4 | 48 | 0 | 1 | 2 | 19 | 232 |
| C) Free FA flap | 128 | 4 | 20 | 15 | 0 | 2 | 1 | 3 | 173 |
| 1) Skin graft | 60 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 63 |
| G) Free fibular OC flap | 58 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 59 |
| 5) PM MC flap | 33 | 15 | 16 | 13 | 0 | 0 | 0 | 10 | 87 |
| F) Free scapular OC flap | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| 2) Local skin flap | 8 | 2 | 2 | 2 | 0 | 5 | 1 | 2 | 22 |
| I) Free nerve graft | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 25 |
| 3) Mucosal flap | 2 | 3 | 0 | 3 | 0 | 1 | 0 | 0 | 9 |
| 4) DP flap | 5 | 6 | 3 | 0 | 0 | 0 | 0 | 2 | 16 |
| 6) Free LD MC flap | 7 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 12 |
| 7) Gastric pull-up | 0 | 4 | 10 | 0 | 0 | 0 | 0 | 0 | 14 |
| 8) Others | 32 | 0 | 5 | 3 | 0 | 7 | 6 | 12 | 65 |
| 9) Unknown | 127 | 108 | 120 | 85 | 38 | 23 | 28 | 39 | 568 |
| Total | 2202 | 1520 | 1481 | 1099 | 236 | 230 | 290 | 400 | 7458 |

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

RA: rectus abdominis.

FA: forearm.

DP: deltopectoral.

MC: musculocutaneous.

OC: osteocutaneous.

LD: latissimus dorsi.

ALT: anterolateral thigh.

PM: pectoralis major.

Radiotherapy by Primary Site

| Type of radiotherapy | (1) Oral cavity | (2) Larynx | (3) Hypo-pharynx | (4) Oro-pharynx | (5) Naso-pharynx | (6) Nasal cavity, etc. | (7) Maxillary sinus | (8) Major salivary glands | Total |
|---------------------------------|--------------------|---------------|---------------------|--------------------|---------------------|---------------------------|------------------------|------------------------------|-------------|
| 0) No radiotherapy | 1577 | 441 | 528 | 359 | 16 | 73 | 58 | 194 | 3246 |
| 1) X-ray (and/or electron beam) | 406 | 947 | 837 | 631 | 169 | 108 | 198 | 165 | 3461 |
| 2) Particle beam | 2 | 0 | 0 | 0 | 1 | 21 | 12 | 2 | 38 |
| 3) B.T. | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| 4) X-ray + Particle beam | 13 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 19 |
| 5) X-ray + B.T. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8) Others | 0 | 2 | 0 | 4 | 1 | 1 | 0 | 0 | 8 |
| 9) Unknown | 184 | 129 | 113 | 103 | 49 | 27 | 22 | 39 | 666 |
| Total | 2202 | 1520 | 1481 | 1099 | 236 | 230 | 290 | 400 | 7458 |

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

Head and Neck Cancer ----- 7458 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, etc. | (7) Maxillary sinus | (8) Major salivary glands | Total |
|-------------------------|-----------------------|---------------|-------------------------|------------------------|-------------------------|---------------------------------|---------------------------|------------------------------------|-------|
| 0) No chemotherapy | 1494 | 911 | 577 | 410 | 36 | 110 | 73 | 270 | 3881 |
| 1) I.V. | 285 | 355 | 686 | 479 | 136 | 77 | 91 | 73 | 2182 |
| 3) Oral | 147 | 88 | 48 | 55 | 2 | 5 | 4 | 10 | 359 |
| 2) I.A. | 62 | 20 | 6 | 18 | 1 | 5 | 79 | 0 | 191 |
| 5) I.V.+Oral | 28 | 24 | 45 | 0 | 15 | 2 | 3 | 8 | 125 |
| 6) I.A.+Oral | 5 | 0 | 4 | 37 | 0 | 1 | 3 | 0 | 50 |
| 4) I.V.+I.A. | 15 | 0 | 0 | 3 | 0 | 2 | 13 | 0 | 33 |
| 7) I.V.+I.A.+Oral | 2 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 6 |
| 8) others | 0 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 5 |
| 9) Unknown | 164 | 119 | 115 | 94 | 46 | 28 | 21 | 39 | 626 |
| Total | 2202 | 1520 | 1481 | 1099 | 236 | 230 | 290 | 400 | 7458 |

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

I.V.: intravenous.

I.A.: intraarterial.

Oral Cavity (2013)

2202 Cases

Carcinoma of the Oral Cavity ----- 2202 Cases

Primary Site

| Site | Number of patients (%) | |
|---------------------|------------------------|---------|
| 1) Lip | 11 | (0.5) |
| 2) Buccal mucosa | 141 | (6.4) |
| 3) Retro-molar area | 40 | (1.8) |
| 4) Lower gingiva | 293 | (13.3) |
| 5) Upper gingiva | 191 | (8.7) |
| 6) Hard palate | 59 | (2.7) |
| 7) Floor of mouth | 217 | (9.9) |
| 8) Tongue | 1238 | (56.2) |
| 9) Oral cavity, NOS | 12 | (0.5) |
| Total | 2202 | (100.0) |

NOS: not otherwise specified

Age Distribution by Gender

| Age | Male | Female | Total |
|-----------|------|--------|-------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 3 | 0 | 3 |
| 20 - 29 | 16 | 5 | 21 |
| 30 - 39 | 58 | 57 | 115 |
| 40 - 49 | 104 | 56 | 160 |
| 50 - 59 | 243 | 102 | 345 |
| 60 - 69 | 446 | 177 | 623 |
| 70 - 79 | 363 | 235 | 598 |
| 80 - 89 | 135 | 167 | 302 |
| 90 - 99 | 10 | 24 | 34 |
| 100 - 109 | 0 | 1 | 1 |
| Total | 1378 | 824 | 2202 |

Carcinoma of the Oral Cavity ——— 2202 Cases

Carcinoma of the Lip**Age Distribution by Gender**

| Age | Male | Female | Total |
|--------------|----------|----------|-----------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 0 | 0 | 0 |
| 20 - 29 | 0 | 0 | 0 |
| 30 - 39 | 0 | 0 | 0 |
| 40 - 49 | 0 | 1 | 1 |
| 50 - 59 | 1 | 0 | 1 |
| 60 - 69 | 2 | 0 | 2 |
| 70 - 79 | 2 | 1 | 3 |
| 80 - 89 | 4 | 0 | 4 |
| 90 - 99 | 0 | 0 | 0 |
| Total | 9 | 2 | 11 |

Carcinoma of the Buccal Mucosa**Age Distribution by Gender**

| Age | Male | Female | Total |
|--------------|-----------|-----------|------------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 0 | 0 | 0 |
| 20 - 29 | 0 | 0 | 0 |
| 30 - 39 | 0 | 2 | 2 |
| 40 - 49 | 4 | 0 | 4 |
| 50 - 59 | 14 | 3 | 17 |
| 60 - 69 | 22 | 11 | 33 |
| 70 - 79 | 29 | 24 | 53 |
| 80 - 89 | 13 | 16 | 29 |
| 90 - 99 | 0 | 3 | 3 |
| Total | 82 | 59 | 141 |

Carcinoma of the Retromolar Area**Age Distribution by Gender**

| Age | Male | Female | Total |
|--------------|-----------|-----------|-----------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 0 | 0 | 0 |
| 20 - 29 | 0 | 0 | 0 |
| 30 - 39 | 1 | 0 | 1 |
| 40 - 49 | 2 | 2 | 4 |
| 50 - 59 | 5 | 3 | 8 |
| 60 - 69 | 10 | 2 | 12 |
| 70 - 79 | 9 | 2 | 11 |
| 80 - 89 | 1 | 2 | 3 |
| 90 - 99 | 0 | 1 | 1 |
| Total | 28 | 12 | 40 |

Carcinoma of the Oral Cavity ——— 2202 Cases

Carcinoma of the Lower Gingiva**Age Distribution by Gender**

| Age | Male | Female | Total |
|--------------|------------|------------|------------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 0 | 0 | 0 |
| 20 - 29 | 1 | 0 | 1 |
| 30 - 39 | 6 | 1 | 7 |
| 40 - 49 | 7 | 4 | 11 |
| 50 - 59 | 24 | 10 | 34 |
| 60 - 69 | 58 | 35 | 93 |
| 70 - 79 | 45 | 51 | 96 |
| 80 - 89 | 20 | 26 | 46 |
| 90 - 99 | 3 | 2 | 5 |
| Total | 164 | 129 | 293 |

Carcinoma of the Upper Gingiva**Age Distribution by Gender**

| Age | Male | Female | Total |
|--------------|-----------|-----------|------------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 0 | 0 | 0 |
| 20 - 29 | 0 | 0 | 0 |
| 30 - 39 | 4 | 1 | 5 |
| 40 - 49 | 0 | 2 | 2 |
| 50 - 59 | 9 | 8 | 17 |
| 60 - 69 | 29 | 17 | 46 |
| 70 - 79 | 35 | 26 | 61 |
| 80 - 89 | 17 | 35 | 52 |
| 90 - 99 | 2 | 6 | 8 |
| Total | 96 | 95 | 191 |

Carcinoma of the Hard Palate**Age Distribution by Gender**

| Age | Male | Female | Total |
|--------------|-----------|-----------|-----------|
| 0 - 9 | | | 0 |
| 10 - 19 | 1 | 0 | 1 |
| 20 - 29 | 1 | 0 | 1 |
| 30 - 39 | 2 | 3 | 5 |
| 40 - 49 | 2 | 0 | 2 |
| 50 - 59 | 4 | 1 | 5 |
| 60 - 69 | 10 | 6 | 16 |
| 70 - 79 | 10 | 6 | 16 |
| 80 - 89 | 4 | 8 | 12 |
| 90 - 99 | 0 | 1 | 1 |
| Total | 34 | 25 | 59 |

Carcinoma of the Oral Cavity ——— 2202 Cases

Carcinoma of the Floor of Mouth**Age Distribution by Gender**

| Age | Male | Female | Total |
|--------------|------------|-----------|------------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 0 | 0 | 0 |
| 20 - 29 | 0 | 0 | 0 |
| 30 - 39 | 0 | 1 | 1 |
| 40 - 49 | 11 | 2 | 13 |
| 50 - 59 | 30 | 7 | 37 |
| 60 - 69 | 85 | 8 | 93 |
| 70 - 79 | 47 | 8 | 55 |
| 80 - 89 | 12 | 6 | 18 |
| 90 - 99 | 0 | 0 | 0 |
| Total | 185 | 32 | 217 |

Carcinoma of the Tongue**Age Distribution by Gender**

| Age | Male | Female | Total |
|--------------|------------|------------|-------------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 2 | 0 | 2 |
| 20 - 29 | 13 | 5 | 18 |
| 30 - 39 | 45 | 48 | 93 |
| 40 - 49 | 78 | 45 | 123 |
| 50 - 59 | 156 | 68 | 224 |
| 60 - 69 | 228 | 94 | 322 |
| 70 - 79 | 186 | 117 | 303 |
| 80 - 89 | 62 | 74 | 136 |
| 90 - 99 | 5 | 11 | 16 |
| 100 - 109 | 0 | 1 | 1 |
| Total | 775 | 463 | 1238 |

Carcinoma of the Oral Cavity, NOS**Age Distribution by Gender**

| Age | Male | Female | Total |
|--------------|----------|----------|-----------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 0 | 0 | 0 |
| 20 - 29 | 1 | 0 | 1 |
| 30 - 39 | 0 | 1 | 1 |
| 40 - 49 | 0 | 0 | 0 |
| 50 - 59 | 0 | 2 | 2 |
| 60 - 69 | 2 | 4 | 6 |
| 70 - 79 | 0 | 0 | 0 |
| 80 - 89 | 2 | 0 | 2 |
| 90 - 99 | 0 | 0 | 0 |
| Total | 5 | 7 | 12 |

NOS: not otherwise specified

Carcinoma of the Oral Cavity ----- 2202 Cases

Histological Distribution by Primary Site

| Histologic type | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | Total |
|----------------------------------|-----|---------------|-----------------|---------------|---------------|-------------|----------------|--------|------------------|-------|
| | Lip | Buccal mucosa | Retromolar area | Lower gingiva | Upper gingiva | Hard palate | Floor of mouth | Tongue | Oral cavity, NOS | |
| Acinic cell ca. | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Adenocarcinoma, NOS | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 0 | 0 | 6 |
| Adenoid cystic ca. | 1 | 3 | 0 | 0 | 0 | 7 | 6 | 2 | 0 | 19 |
| Adenosquamous ca. | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 1 | 0 | 5 |
| Basal cell adenocarcinoma | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Basal cell ca., NOS | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Basaloid S.C.C. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| Carcinoma ex pleomorphic adenoma | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Ca., NOS | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 3 |
| Ca. undiff., NOS | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 3 |
| Clea cell ca., NOS | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Cystic adenocarcinoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Fibrosarcoma, NOS | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| Malig. fibrous Histiocytoma | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Malig. lymphoma, NOS | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| Malig. melanoma, NOS | 0 | 1 | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 7 |
| Malig. spindle cell tumor | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Mucinous adenocarcinoma | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Mucoepidermoid ca. | 0 | 1 | 1 | 0 | 1 | 9 | 1 | 2 | 0 | 15 |
| Neoplasm, malig. | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 4 |
| Osteosarcoma, NOS | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 |
| Papillary S.C.C. | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| Rhabdomyosarcoma, NOS | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| Salivary duct ca. | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Small cell ca., NOS | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Spindle cell ca., NOS | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 3 | 1 | 8 |
| S.C.C. in situ, NOS | 1 | 5 | 0 | 6 | 4 | 2 | 7 | 33 | 0 | 58 |
| S.C.C. kerat., NOS | 1 | 13 | 3 | 29 | 16 | 4 | 14 | 86 | 2 | 168 |
| S.C.C. microinvasive | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 8 | 0 | 9 |
| S.C.C., NOS | 8 | 111 | 33 | 246 | 160 | 23 | 178 | 1073 | 5 | 1837 |
| S.C.C. small cell, nonkerat. | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 3 |
| S.C.C. spindle cell | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| Verrucous ca., NOS | 0 | 5 | 0 | 3 | 1 | 1 | 1 | 22 | 0 | 33 |
| Total | 11 | 141 | 40 | 294 | 190 | 59 | 217 | 1238 | 12 | 2202 |

NOS: not otherwise specified.
 ca., Ca.: carcinoma.
 nonkerat.: nonkeratinizing.
 S.C.C.: squamous cell carcinoma.
 Malig., malig.: malignant.

Carcinoma of the Oral Cavity ----- 2202 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 | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 48 |
| T1 | 491 | 7 | 0 | 1 | 11 | 5 | 1 | 0 | 6 | 522 |
| T2 | 530 (2) | 89 | 0 | 8 | 64 (2) | 21 | 2 | 1 | 6 | 721 |
| T3 | 86 | 28 | 3 | 3 | 51 | 15 | 2 | 0 | 1 | 189 |
| T4 | 15 | 7 | 2 (1) | 0 | 10 (1) | 5 | 0 | 1 | 0 | 40 |
| T4a | 186 (3) | 64 | 3 | 3 | 146 (2) | 68 (6) | 4 | 0 | 3 | 477 |
| T4b | 10 (1) | 4 | 0 | 0 | 15 | 7 | 0 | 0 | 0 | 36 |
| TX | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 9 |
| T- | 7 | 1 | 0 | 0 | 5 | 0 | 0 | 0 | 147 | 160 |
| Total | 1376 | 200 | 8 | 15 | 302 | 121 | 9 | 7 | 164 | 2202 |

M1: 18 cases. Number in parentheses indicate numbers of M1 cases

T-: not within defined T classification or without reported T classification.

N-: not within defined N classification or without reported N classification.

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 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
| T2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| T3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| T4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| T4a | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| T4b | 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 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 |

M1: 0 case.

T-: not within defined T classification or without reported T classification.

N-: not within defined N classification or without reported N classification.

Carcinoma of the Oral Cavity ——— 2202 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 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| T1 | 25 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 26 |
| T2 | 33 | 7 | 0 | 1 | 8 | 3 | 0 | 0 | 0 | 52 |
| T3 | 12 | 3 | 0 | 1 | 6 | 0 | 0 | 0 | 1 | 23 |
| T4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| T4a | 5 | 2 | 0 | 0 | 6 | 1 | 0 | 0 | 1 | 15 |
| T4b | 2 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 6 |
| TX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| T- | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 13 |
| Total | 82 | 15 | 0 | 2 | 23 | 4 | 0 | 1 | 14 | 141 |

M1: 0 case.

T-: not within defined T classification or without reported T classification.

N-: not within defined N classification or without reported N classification.

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 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 |
| T2 | 5 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 9 |
| T3 | 2 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 6 |
| T4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| T4a | 6 * | 2 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | 14 |
| T4b | 1 | 1 | 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 | 21 | 5 | 0 | 0 | 11 | 1 | 0 | 0 | 2 | 40 |

M1: 1 case.

* signifies M1 case.

T-: not within defined T classification or without reported T classification.

N-: not within defined N classification or without reported N classification.

Carcinoma of the Oral Cavity ——— 2202 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 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| T1 | 29 | 2 | 0 | 0 | 2 | 2 | 1 | 0 | 1 | 37 |
| T2 | 50 | 5 | 0 | 2 | 8 * | 1 | 0 | 1 | 1 | 68 |
| T3 | 8 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 14 |
| T4 | 8 | 3 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 15 |
| T4a | 53 | 18 | 2 | 0 | 37 | 6 * | 0 | 0 | 1 | 117 |
| T4b | 3 | 1 | 0 | 0 | 7 | 2 | 0 | 0 | 0 | 13 |
| TX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| T- | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 24 | 25 |
| Total | 155 | 34 | 2 | 2 | 59 | 12 | 1 | 1 | 27 | 293 |

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

T-: not within defined T classification or without reported T classification.

N-: not within defined N classification or without reported N classification.

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 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| T1 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| T2 | 28 | 8 | 0 | 1 | 4 | 2 | 0 | 0 | 0 | 43 |
| T3 | 10 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 13 |
| T4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| T4a | 46 | 12 | 0 | 0 | 24 * | 5 | 0 | 0 | 0 | 87 |
| T4b | 3 * | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 7 |
| TX | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| T- | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 13 |
| Total | 115 | 21 | 0 | 1 | 32 | 8 | 1 | 1 | 12 | 191 |

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

T-: not within defined T classification or without reported T classification.

N-: not within defined N classification or without reported N classification.

Carcinoma of the Oral Cavity ----- 2202 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 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| T1 | 11 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 12 |
| T2 | 15 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 21 |
| T3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| T4 | 2 | 0 | 0 | 0 | 1 * | 0 | 0 | 0 | 0 | 3 |
| T4a | 3 * | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 6 |
| T4b | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 3 |
| TX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| T- | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 6 |
| Total | 41 | 5 | 0 | 0 | 3 | 4 | 0 | 0 | 6 | 59 |

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

T-: not within defined T classification or without reported T classification.

N-: not within defined N classification or without reported N classification.

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 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| T1 | 47 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 52 |
| T2 | 47 | 9 | 0 | 1 | 4 | 6 | 0 | 0 | 0 | 67 |
| T3 | 10 | 5 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 20 |
| T4 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 3 |
| T4a | 20 * | 1 | 1 | 1 | 15 | 17 ** | 1 | 0 | 0 | 56 |
| T4b | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| TX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| T- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 14 |
| Total | 128 | 17 | 2 | 2 | 29 | 23 | 1 | 1 | 14 | 217 |

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

T-: not within defined T classification or without reported T classification.

N-: not within defined N classification or without reported N classification.

Carcinoma of the Oral Cavity ——— 2202 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 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 31 |
| T1 | 349 | 3 | 0 | 1 | 4 | 3 | 0 | 0 | 3 | 363 |
| T2 | 348 ** | 53 | 0 | 3 | 39 * | 8 | 2 | 0 | 3 | 456 |
| T3 | 37 | 13 | 2 | 2 | 35 | 15 | 1 | 0 | 0 | 105 |
| T4 | 1 | 2 | 2 * | 0 | 6 | 2 | 0 | 1 | 0 | 14 |
| T4a | 52 | 27 | 0 | 2 | 57 * | 37 *** | 3 | 0 | 1 | 179 |
| T4b | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 3 |
| TX | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| T- | 4 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 76 | 85 |
| Total | 822 | 99 | 4 | 8 | 146 | 67 | 6 | 2 | 84 | 1238 |

M1: 8 cases. Each * signifies one M1 case.

T-: not within defined T classification or without reported T classification.

N-: not within defined N classification or without reported N classification.

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 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| T4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| T4a | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| T4b | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TX | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| T- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 |
| Total | 5 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 4 | 12 |

M1: 0 case.

NOS: not otherwise specified.

T-: not within defined T classification or without reported T classification.

N-: not within defined N classification or without reported N classification.

Carcinoma of the Oral Cavity ----- 2202 Cases

Treatment Method for the Primary Lesion by Subsite

| Treatment method | (1) Lip | (2) Buccal mucosa | (3) Retro- molar area | (4) Lower gingiva | (5) Upper gingiva | (6) Hard palate | (7) Floor of mouth | (8) Tongue | (9) Oral cavity, NOS | Total |
|---------------------|------------|-------------------------|--------------------------------|-------------------------|-------------------------|-----------------------|-----------------------------|---------------|-------------------------------|-------------|
| Surgery | | | | | | | | | | |
| Without | 1 | 25 | 10 | 74 | 38 | 13 | 28 | 122 | 5 | 316 |
| With | 9 | 107 | 29 | 193 | 138 | 41 | 179 | 1052 | 6 | 1754 |
| Unknown | 1 | 9 | 1 | 26 | 15 | 5 | 10 | 64 | 1 | 132 |
| Radiotherapy | | | | | | | | | | |
| Without | 8 | 100 | 27 | 207 | 113 | 43 | 148 | 979 | 6 | 1631 |
| With | 2 | 32 | 12 | 60 | 53 | 11 | 59 | 196 | 5 | 430 |
| Unknown | 1 | 9 | 1 | 26 | 15 | 5 | 10 | 63 | 1 | 130 |
| Chemotherapy | | | | | | | | | | |
| Without | 7 | 99 | 22 | 180 | 112 | 38 | 141 | 942 | 7 | 1548 |
| With | 3 | 33 | 17 | 87 | 65 | 16 | 66 | 233 | 4 | 524 |
| Unknown | 1 | 9 | 1 | 26 | 14 | 5 | 10 | 63 | 1 | 130 |
| Total | 11 | 141 | 40 | 293 | 191 | 59 | 217 | 1238 | 12 | 2202 |

NOS: not otherwise specified.

Treatment Method for the Cervical Lymph Nodes by Subsite

| Treatment method | (1) Lip | (2) Buccal mucosa | (3) Retro- molar area | (4) Lower gingiva | (5) Upper gingiva | (6) Hard palate | (7) Floor of mouth | (8) Tongue | (9) Oral cavity, NOS | Total |
|---------------------|------------|-------------------------|--------------------------------|-------------------------|-------------------------|-----------------------|-----------------------------|---------------|-------------------------------|-------------|
| Surgery | | | | | | | | | | |
| Without | 8 | 82 | 25 | 119 | 122 | 39 | 113 | 726 | 7 | 1241 |
| With | 2 | 40 | 14 | 138 | 53 | 14 | 91 | 443 | 3 | 798 |
| Unknown | 1 | 19 | 1 | 36 | 16 | 6 | 13 | 69 | 2 | 163 |
| Radiotherapy | | | | | | | | | | |
| Without | 10 | 106 | 31 | 216 | 133 | 49 | 157 | 1012 | 9 | 1723 |
| With | 0 | 16 | 8 | 41 | 42 | 4 | 48 | 158 | 1 | 318 |
| Unknown | 1 | 19 | 1 | 36 | 16 | 6 | 12 | 68 | 2 | 161 |
| Chemotherapy | | | | | | | | | | |
| Without | 10 | 105 | 30 | 197 | 136 | 45 | 155 | 1002 | 9 | 1689 |
| With | 0 | 17 | 9 | 60 | 39 | 8 | 50 | 168 | 1 | 352 |
| Unknown | 1 | 19 | 1 | 36 | 16 | 6 | 12 | 68 | 2 | 161 |
| Total | 11 | 141 | 40 | 293 | 191 | 59 | 217 | 1238 | 12 | 2202 |

NOS: not otherwise specified.

Sequence of Treatment Methods for the Primary Lesion by Subsite

| Sequence of treatment methods | (1) Lip | (2) Buccal mucosa | (3) Retro- molar area | (4) Lower gingiva | (5) Upper gingiva | (6) Hard palate | (7) Floor of mouth | (8) Tongue | (9) Oral cavity, NOS | Total |
|---------------------------------|------------|-------------------------|--------------------------------|-------------------------|-------------------------|-----------------------|--------------------------|---------------|-------------------------------|-------|
| No treatment | 0 | 4 | 1 | 9 | 7 | 2 | 5 | 31 | 1 | 60 |
| A) Surg. alone | 6 | 82 | 19 | 155 | 84 | 34 | 124 | 842 | 5 | 1351 |
| F) (Rad.+Chem.) | 0 | 15 | 5 | 13 | 16 | 4 | 12 | 37 | 4 | 106 |
| CA) Chem.->Surg. | 1 | 7 | 5 | 24 | 9 | 1 | 8 | 47 | 0 | 102 |
| AF) Surg.->(Rad.+Chem.) | 1 | 2 | 1 | 11 | 9 | 1 | 14 | 36 | 0 | 75 |
| AB) Surg.->Rad. | 0 | 5 | 0 | 10 | 10 | 1 | 7 | 29 | 1 | 63 |
| B) Rad. alone | 1 | 5 | 1 | 3 | 6 | 1 | 2 | 26 | 0 | 45 |
| AC) Surg.->Chem. | 1 | 3 | 0 | 6 | 3 | 1 | 2 | 21 | 0 | 37 |
| FA) (Rad.+Chem.)->Surg. | 0 | 2 | 1 | 6 | 10 | 0 | 3 | 7 | 0 | 29 |
| C) Chem. alone | 0 | 1 | 1 | 4 | 3 | 2 | 2 | 12 | 0 | 25 |
| CAF) Chem.->Surg.->(Rad.+Chem.) | 0 | 0 | 1 | 4 | 3 | 0 | 4 | 11 | 0 | 23 |
| CAB) Chem.->Surg.->Rad. | 0 | 0 | 0 | 2 | 1 | 1 | 3 | 13 | 0 | 20 |
| AA) Surg.->Surg. | 0 | 1 | 1 | 2 | 1 | 0 | 2 | 9 | 0 | 16 |
| CAC) Chem.->Surg.->Chem. | 0 | 0 | 0 | 4 | 3 | 0 | 2 | 5 | 0 | 14 |
| FC) (Rad.+Chem.)->Chem. | 0 | 0 | 1 | 3 | 2 | 2 | 1 | 4 | 0 | 13 |
| CF) Chem.->(Rad.+Chem.) | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 6 | 0 | 10 |
| E) (Surg.+Chem.) | 0 | 2 | 0 | 1 | 1 | 1 | 1 | 4 | 0 | 10 |
| AFC) Surg.->(Rad.+Chem.)->Chem. | 0 | 1 | 0 | 2 | 0 | 0 | 2 | 3 | 0 | 8 |
| G) (Surg.+Rad.+Chem.) | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 4 | 0 | 7 |
| BA) Rad.->Surg. | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 4 |
| CB) Chem.->Rad. | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 4 |
| FAC) (Rad.+Chem.)->Surg.->Chem. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 |
| ACA) Surg.->Chem.->Surg | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 3 |
| Others | 0 | 0 | 1 | 6 | 7 | 2 | 7 | 17 | 0 | 40 |
| Unknown | 1 | 9 | 1 | 26 | 15 | 5 | 11 | 64 | 1 | 133 |
| Total | 11 | 141 | 40 | 293 | 191 | 59 | 217 | 1238 | 12 | 2202 |

NOS: not otherwise specified.

Surg.: surgery.

Treatment methods in parentheses were given concurrently.

Chem.: chemotherapy.

Rad.: radiotherapy.

Carcinoma of the Oral Cavity ----- 2202 Cases

Surgical Methods for the Primary Lesion by Subsite

| Surgical method | Surgical Methods for the Primary Lesion by Subsite | | | | | | | | | | Total |
|---|--|-------------------------|--------------------------------|-------------------------|-------------------------|-----------------------|--------------------------|---------------|-------------------------------|--|-------|
| | (1) Lip | (2) Buccal mucosa | (3) Retro- molar area | (4) Lower gingiva | (5) Upper gingiva | (6) Hard palate | (7) Floor of mouth | (8) Tongue | (9) Oral cavity, NOS | | |
| X0) No surgery | 1 | 25 | 10 | 33 | 38 | 13 | 28 | 122 | 5 | | 275 |
| A1) Partial glossectomy | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 696 | 0 | | 697 |
| A5) Subtotal glossectomy | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 131 | 0 | | 138 |
| C2) Resection of the floor of mouth | 0 | 0 | 0 | 0 | 0 | 0 | 138 | 0 | 0 | | 138 |
| B2) Segmental mandibulectomy | 0 | 1 | 1 | 107 | 0 | 0 | 9 | 0 | 3 | | 121 |
| D1) Partial maxillectomy | 0 | 0 | 0 | 0 | 99 | 12 | 0 | 0 | 1 | | 112 |
| C4) Resection of the buccal mucosa | 0 | 92 | 13 | 1 | 0 | 0 | 0 | 0 | 0 | | 106 |
| B1) Marginal mandibulectomy | 0 | 4 | 5 | 77 | 1 | 0 | 7 | 0 | 0 | | 94 |
| A2) Hemiglossectomy (anterior 2/3 ^{rds}) | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 78 | 0 | | 82 |
| A4) Hemiglossectomy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 82 | 0 | | 82 |
| C9) Resection of oral cavity, NOS | 0 | 7 | 5 | 2 | 10 | 21 | 3 | 0 | 1 | | 49 |
| A3) Subtotal glossectomy (anterior 2/3 ^{rds}) | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 26 | 0 | | 29 |
| A6) Total glossectomy | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 21 | 0 | | 23 |
| C3) Resection of lower gingiva | 0 | 0 | 0 | 16 | 2 | 1 | 0 | 0 | 0 | | 19 |
| B3) Hemimandibulectomy | 0 | 2 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | | 18 |
| D2) Total maxillectomy | 0 | 0 | 0 | 0 | 16 | 1 | 0 | 0 | 0 | | 17 |
| A9) Resection of tongue, NOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | | 13 |
| D9) Resection of maxilla, NOS | 0 | 0 | 0 | 0 | 8 | 2 | 0 | 0 | 1 | | 11 |
| B9) Resection of mandible, NOS | 0 | 0 | 1 | 9 | 0 | 0 | 0 | 0 | 0 | | 10 |
| C1) Resection of the lip | 8 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | | 9 |
| Others | 1 | 1 | 4 | 6 | 2 | 4 | 4 | 5 | 0 | | 27 |
| Unknown | 1 | 9 | 1 | 26 | 15 | 5 | 10 | 64 | 1 | | 132 |
| Total | 11 | 141 | 40 | 293 | 191 | 59 | 217 | 1238 | 12 | | 2202 |

NOS: not otherwise specified.

Carcinoma of the Oral Cavity ----- 2202 Cases

Neck Dissection on the Ipsilateral Side by Subsite

| Neck dissection | (1) Lip | (2) Buccal mucosa | (3) Retro- molar 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. | 8 | 71 | 21 | 94 | 110 | 37 | 101 | 678 | 7 | 1127 |
| 1) Total N.D. | 0 | 14 | 3 | 49 | 23 | 2 | 29 | 153 | 0 | 273 |
| 2) Selective N.D. | 2 | 37 | 14 | 112 | 38 | 14 | 72 | 328 | 3 | 620 |
| 3) Lymph node excision | 0 | 0 | 0 | 1 | 4 | 0 | 1 | 5 | 0 | 11 |
| 8) Others | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| Unknown type | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 4 | 0 | 8 |
| 9) Unknown | 1 | 17 | 1 | 37 | 16 | 6 | 13 | 68 | 2 | 161 |
| Total | 11 | 141 | 40 | 293 | 191 | 59 | 217 | 1238 | 12 | 2202 |

NOS: not otherwise specified.

N.D.: neck dissection.

Neck Dissection on the Contralateral Side by Subsite

| Neck dissection | (1) Lip | (2) Buccal mucosa | (3) Retro- molar 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. | 10 | 117 | 39 | 225 | 162 | 51 | 141 | 1000 | 10 | 1755 |
| 1) Total N.D. | 0 | 3 | 0 | 3 | 1 | 0 | 4 | 32 | 0 | 43 |
| 2) Selective N.D. | 0 | 3 | 0 | 28 | 11 | 2 | 57 | 127 | 0 | 228 |
| 3) Lymph node excision | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 5 | 0 | 8 |
| 8) Others | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Unknown type | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 9) Unknown | 1 | 17 | 1 | 37 | 16 | 6 | 13 | 73 | 2 | 166 |
| Total | 11 | 141 | 40 | 293 | 191 | 59 | 217 | 1238 | 12 | 2202 |

NOS: not otherwise specified.

N.D.: neck dissection.

Carcinoma of the Oral Cavity ----- 2202 Cases

Reconstructive Surgery by Subsite

| Reconstructive surgery | (1) Lip | (2) Buccal mucosa | (3) Retro- molar area | (4) Lower gingiva | (5) Upper gingiva | (6) Hard palate | (7) Floor of mouth | (8) Tongue | (8) Oral cavity, NOS | Total |
|--------------------------|------------|-------------------------|--------------------------------|-------------------------|-------------------------|-----------------------|--------------------------|---------------|-------------------------------|-------|
| 0) No reconstruction | 8 | 86 | 24 | 118 | 135 | 44 | 120 | 833 | 8 | 1376 |
| D) Free RA MC flap | 0 | 11 | 3 | 21 | 7 | 3 | 22 | 130 | 0 | 197 |
| E) Free ALT flap | 0 | 8 | 7 | 23 | 8 | 1 | 18 | 88 | 0 | 153 |
| C) Free FA flap | 0 | 14 | 2 | 10 | 4 | 2 | 19 | 77 | 0 | 128 |
| 1) Skin graft | 0 | 9 | 1 | 7 | 19 | 3 | 7 | 14 | 0 | 60 |
| G) Free fibular OC flap | 0 | 0 | 1 | 48 | 1 | 1 | 6 | 0 | 1 | 58 |
| 5) PM MC flap | 0 | 0 | 1 | 11 | 0 | 0 | 8 | 12 | 1 | 33 |
| F) Free scapular OC flap | 0 | 1 | 0 | 13 | 1 | 0 | 0 | 0 | 1 | 16 |
| 2) Local skin flap | 2 | 1 | 0 | 2 | 1 | 0 | 0 | 2 | 0 | 8 |
| 6) Pedicled LD MC flap | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 2 | 0 | 7 |
| 4) DP flap | 0 | 1 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 5 |
| 3) Mucosal flap | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 |
| 8)+Others | 0 | 1 | 0 | 11 | 0 | 0 | 2 | 18 | 0 | 32 |
| 9) Unknown | 1 | 9 | 1 | 25 | 14 | 5 | 9 | 62 | 1 | 127 |
| Total | 11 | 141 | 40 | 293 | 191 | 59 | 217 | 1238 | 12 | 2202 |

NOS: not otherwise specified.

ALT: anterolateral thigh.

PM: pectoralis major.

RA: rectus abdominis.

FA: forearm.

LD: latissimus dorsi.

MC: musculocutaneous.

OC: osteocutaneous.

DP: deltopectoral.

Radiotherapy by Subsite

| Type of radiotherapy | (1) Lip | (2) Buccal mucosa | (3) Retro- molar area | (4) Lower gingiva | (5) Upper gingiva | (6) Hard palate | (7) Floor of mouth | (8) Tongue | (8) Oral cavity, NOS | Total |
|---------------------------------|------------|-------------------------|--------------------------------|-------------------------|-------------------------|-----------------------|--------------------------|---------------|-------------------------------|-------------|
| 0) No radiotherapy | 8 | 93 | 27 | 200 | 108 | 41 | 144 | 950 | 6 | 1577 |
| 1) X-ray (and/or electron beam) | 1 | 27 | 11 | 61 | 59 | 9 | 58 | 178 | 2 | 406 |
| 3) B.T. | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 20 |
| 4) X-ray + Particle beam | 0 | 1 | 0 | 0 | 1 | 0 | 2 | 8 | 1 | 13 |
| 2) Particle beam | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| 5) X-ray + B.T. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8) Others | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown type | 0 | 9 | 1 | 4 | 7 | 2 | 3 | 18 | 2 | 46 |
| 9) Unknown | 1 | 11 | 1 | 28 | 15 | 6 | 10 | 65 | 1 | 138 |
| Total | 11 | 141 | 40 | 293 | 191 | 59 | 217 | 1238 | 12 | 2202 |

NOS: not otherwise specified.

B.T.: brachytherapy.

Carcinoma of the Oral Cavity ----- 2202 Cases

Chemotherapy by Subsite

| Route of administration | (1) Lip | (2) Buccal mucosa | (3) Retro- molar area | (4) Lower gingiva | (5) Upper gingiva | (6) Hard palate | (7) Floor of mouth | (8) Tongue | (8) Oral cavity, NOS | Total |
|-------------------------|------------|-------------------------|--------------------------------|-------------------------|-------------------------|-----------------------|--------------------------|---------------|-------------------------------|-------|
| 0) No chemotherapy | 7 | 92 | 22 | 169 | 105 | 38 | 136 | 919 | 6 | 1494 |
| 1) I.V. | 1 | 13 | 9 | 44 | 20 | 5 | 48 | 142 | 3 | 285 |
| 3) Oral | 1 | 16 | 4 | 33 | 24 | 4 | 11 | 54 | 0 | 147 |
| 2) I.A. | 1 | 4 | 3 | 5 | 20 | 3 | 1 | 24 | 1 | 62 |
| 5) I.V.+Oral | 0 | 0 | 1 | 4 | 1 | 1 | 7 | 14 | 0 | 28 |
| 4) I.V.+I.A. | 0 | 0 | 0 | 1 | 2 | 2 | 2 | 8 | 0 | 15 |
| 6) I.A.+Oral | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 0 | 5 |
| 7) I.V.+I.A.+Oral | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| Unknown route | 0 | 5 | 0 | 5 | 5 | 1 | 2 | 9 | 0 | 27 |
| 9) Unknown | 1 | 11 | 1 | 28 | 14 | 5 | 10 | 65 | 2 | 137 |
| Total | 11 | 141 | 40 | 293 | 191 | 59 | 217 | 1238 | 12 | 2202 |

NOS: not otherwise specified.

I.V.: intravenous.

I.A.: intraarterial.

Larynx (2013)

1520 Cases

Carcinoma of the Larynx ----- 1520 Cases

Subsite

| Subsite | Number of patients (%) | |
|--------------|------------------------|---------|
| Glottis | 965 | (63.5) |
| Supraglottis | 468 | (30.8) |
| Subglottis | 49 | (3.2) |
| Larynx, NOS | 38 | (2.5) |
| Total | 1520 | (100.0) |

NOS: not otherwise specified.

Age Distribution by Gender

| Age | Male | Female | Total |
|----------|------|--------|-------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 0 | 0 | 0 |
| 20 - 29 | 0 | 0 | 0 |
| 30 - 39 | 4 | 2 | 6 |
| 40 - 49 | 24 | 0 | 24 |
| 50 - 59 | 124 | 15 | 139 |
| 60 - 69 | 538 | 36 | 574 |
| 70 - 79 | 496 | 35 | 531 |
| 80 - 89 | 220 | 12 | 232 |
| 90 - 100 | 13 | 1 | 14 |
| Total | 1419 | 101 | 1520 |

Carcinoma of the Larynx ----- 1520 Cases

Glottis

Age Distribution by Gender

| Age | Male | Female | Total |
|--------------|------------|-----------|------------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 0 | 0 | 0 |
| 20 - 29 | 0 | 0 | 0 |
| 30 - 39 | 4 | 1 | 5 |
| 40 - 49 | 16 | 0 | 16 |
| 50 - 59 | 78 | 9 | 87 |
| 60 - 69 | 335 | 19 | 354 |
| 70 - 79 | 332 | 11 | 343 |
| 80 - 89 | 140 | 9 | 149 |
| 90 - 100 | 11 | 0 | 11 |
| Total | 916 | 49 | 965 |

Supraglottis

Age Distribution by Gender

| Age | Male | Female | Total |
|--------------|------------|-----------|------------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 0 | 0 | 0 |
| 20 - 29 | 0 | 0 | 0 |
| 30 - 39 | 0 | 0 | 0 |
| 40 - 49 | 8 | 0 | 8 |
| 50 - 59 | 37 | 4 | 41 |
| 60 - 69 | 175 | 15 | 190 |
| 70 - 79 | 141 | 18 | 159 |
| 80 - 89 | 65 | 2 | 67 |
| 90 - 99 | 2 | 1 | 3 |
| Total | 428 | 40 | 468 |

Carcinoma of the Larynx ——— 1520 Cases

Subglottis

Age Distribution by Gender

| Age | Male | Female | Total |
|---------|------|--------|-------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 0 | 0 | 0 |
| 20 - 29 | 0 | 0 | 0 |
| 30 - 39 | 0 | 1 | 1 |
| 40 - 49 | 0 | 0 | 0 |
| 50 - 59 | 4 | 2 | 6 |
| 60 - 69 | 16 | 2 | 18 |
| 70 - 79 | 12 | 3 | 15 |
| 80 - 89 | 8 | 1 | 9 |
| 90 - 99 | 0 | 0 | 0 |
| Total | 40 | 9 | 49 |

Carcinoma of the Larynx, NOS

Age Distribution by Gender

| Age | Male | Female | Total |
|---------|------|--------|-------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 0 | 0 | 0 |
| 20 - 29 | 0 | 0 | 0 |
| 30 - 39 | 0 | 0 | 0 |
| 40 - 49 | 0 | 0 | 0 |
| 50 - 59 | 5 | 0 | 5 |
| 60 - 69 | 12 | 0 | 12 |
| 70 - 79 | 11 | 3 | 14 |
| 80 - 89 | 7 | 0 | 7 |
| 90 - 99 | 0 | 0 | 0 |
| Total | 35 | 3 | 38 |

NOS: not otherwise specified.

Carcinoma of the Larynx ----- 1520 Cases

Histological Distribution by Subsite

| Histologic type | Glottis (C32.0) | Supraglottis (C32.1) (C10.3) | Subglottis (C32.2) | Larynx, NOS (C32.9) | Total |
|---|--------------------|------------------------------------|-----------------------|------------------------|-------|
| Adenocarcinoma, NOS | 0 | 2 | 0 | 0 | 2 |
| Adenoid cystic ca. | 1 | 1 | 2 | 0 | 4 |
| Adenosquamous ca. | 2 | 1 | 0 | 0 | 3 |
| Basaloid S.C.C. | 1 | 3 | 0 | 0 | 4 |
| Carcinoid tumor, NOS | 0 | 1 | 0 | 0 | 1 |
| Ca., NOS | 2 | 2 | 0 | 2 | 6 |
| Lymphoepithelial ca. | 0 | 2 | 0 | 0 | 2 |
| Mucoepidermoid ca. | 2 | 1 | 0 | 0 | 3 |
| Neoplasm, malig. | 0 | 3 | 0 | 0 | 3 |
| Papillary S.C.C. | 1 | 0 | 1 | 0 | 2 |
| Rhabdomyosarcoma, NOS | 1 | 0 | 0 | 0 | 1 |
| Small cell ca., NOS | 0 | 2 | 0 | 0 | 2 |
| Spindle cell ca., NOS | 4 | 3 | 2 | 0 | 9 |
| S.C.C. in situ with quest. stromal invasion | 1 | 0 | 0 | 0 | 1 |
| S.C.C. in situ, NOS | 33 | 4 | 1 | 0 | 38 |
| S.C.C. kerat., NOS | 69 | 24 | 2 | 2 | 97 |
| S.C.C., large cell, nonkerat. | 1 | 0 | 0 | 0 | 1 |
| S.C.C. microinvasive | 2 | 0 | 0 | 0 | 2 |
| S.C.C., NOS | 840 | 416 | 41 | 34 | 1331 |
| S.C.C., small cell, nonkerat. | 2 | 2 | 0 | 0 | 4 |
| S.C.C. spindle cell | 1 | 0 | 0 | 0 | 1 |
| Transitional cell ca., NOS | 0 | 1 | 0 | 0 | 1 |
| Verrucous Ca. | 2 | 0 | 0 | 0 | 2 |
| Total | 965 | 468 | 49 | 38 | 1520 |

NOS: not otherwise specified.
kerat.: keratinizing.

ca., Ca.: carcinoma.
nonkerat.: nonkeratinizing.

S.C.C.: squamous cell 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 | 24 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 26 |
| T1 | 79 | 7 | 1 | 1 | 7 | 1 | 2* | 0 | 0 | 98 |
| T1a | 291 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 292 |
| T1b | 91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 91 |
| T2 | 312* | 21 | 2 | 5 | 23** | 18* | 6 | 0 | 1 | 388 |
| T3 | 211 | 39 | 1 | 2 | 37** | 39** | 6 | 1 | 0 | 336 |
| T4 | 5 | 4 | 1* | 0 | 3 | 0 | 1* | 0 | 0 | 14 |
| T4a | 74**** | 20*** | 0 | 3 | 32* | 30** | 3 | 0 | 0 | 162 |
| T4b | 0 | 0 | 0 | 0 | 3* | 2 | 0 | 0 | 0 | 5 |
| TX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 |
| T- | 8 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 93 | 103 |
| Total | 1095 | 91 | 5 | 11 | 108 | 91 | 18 | 7 | 94 | 1520 |

M1: 22 cases. Each * indicates one M1 case.

T-: without reported T classification.

N-: without reported N classification.

Carcinoma of the Larynx ----- 1520 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 | 21 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 22 |
| T1 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| T1a | 291 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 292 |
| T1b | 91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 91 |
| T2 | 225 | 7 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 236 |
| T3 | 128 | 8 | 0 | 0 | 8 | 4 * | 2 | 1 | 0 | 151 |
| T4 | 4 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 8 |
| T4a | 42 *** | 11 * | 0 | 2 | 9 | 7 | 0 | 0 | 0 | 71 |
| T4b | 0 | 0 | 0 | 0 | 1 * | 0 | 0 | 0 | 0 | 1 |
| TX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 |
| T- | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 57 |
| Total | 840 | 29 | 1 | 2 | 23 | 11 | 3 | 6 | 50 | 965 |

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

T-: without reported T classification. N-: without reported N classification.

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 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 |
| T1 | 43 | 7 | 1 | 1 | 7 | 1 | 2 * | 0 | 0 | 62 |
| T2 | 66 | 14 | 1 | 5 | 20 ** | 17 | 5 | 0 | 1 | 129 |
| T3 | 69 | 31 | 1 | 2 | 29 ** | 33 * | 4 | 0 | 0 | 169 |
| T4 | 1 | 1 | 1 * | 0 | 2 | 0 | 1 * | 0 | 0 | 6 |
| T4a | 19 * | 4 ** | 0 | 1 | 18 * | 18 ** | 3 | 0 | 0 | 63 |
| T4b | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| TX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| T- | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 30 | 33 |
| Total | 202 | 57 | 4 | 9 | 78 | 71 | 15 | 1 | 31 | 468 |

M1: 14 cases. Each * indicates one M1 case.

T-: without reported T classification. N-: without reported N classification.

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 |
| T1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| T2 | 14 * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| T3 | 10 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 12 |
| T4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| T4a | 5 | 3 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 12 |
| T4b | 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 | 8 | 8 |
| Total | 32 | 3 | 0 | 0 | 2 | 4 | 0 | 0 | 8 | 49 |

M1: 1 case. * indicates one M1 case.

T-: without reported T classification.

N-: without reported N classification.

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 |
| T1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| T2 | 7 | 0 | 0 | 0 | 1 | 1 * | 0 | 0 | 0 | 9 |
| T3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| T4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| T4a | 8 | 2 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 16 |
| T4b | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| TX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| T- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| Total | 21 | 2 | 0 | 0 | 5 | 5 | 0 | 0 | 5 | 38 |

M1: 1 case. * indicates one M1 case.

NOS: not otherwise specified.

T-: without reported T classification.

N-: without reported N classification.

Carcinoma of the larynx ----- 1520 Cases

Treatment Method for the Primary Lesion by Subsite

| Treatment method | Glottis (C32.0) | Supraglottis (C32.1) (C10.3) | Subglottis (C32.2) | Larynx, NOS (C32.9) | Total |
|------------------|--------------------|------------------------------------|-----------------------|------------------------|-------|
| Surgery | | | | | |
| Without | 575 | 234 | 16 | 19 | 844 |
| With | 308 | 194 | 26 | 16 | 544 |
| Unknown | 82 | 40 | 7 | 3 | 132 |
| Radiotherapy | | | | | |
| Without | 267 | 151 | 20 | 17 | 455 |
| With | 630 | 286 | 22 | 18 | 956 |
| Unknown | 68 | 31 | 7 | 3 | 109 |
| Chemotherapy | | | | | |
| Without | 654 | 218 | 26 | 19 | 917 |
| With | 243 | 219 | 16 | 16 | 494 |
| Unknown | 68 | 31 | 7 | 3 | 109 |
| Total | 965 | 468 | 49 | 38 | 1520 |

NOS: not otherwise specified.

Sequence of Treatment Methods for the Primary Lesion by Subsite

| Sequence of treatment methods | Glottis (C32.0) | Supra- glottis (C32.1) (C10.3) | Subglottis (C32.2) | Larynx, NOS (C32.9) | Total |
|-------------------------------|--------------------|---|-----------------------|---------------------------|-------|
| No treatment | 14 | 18 | 0 | 3 | 35 |
| B) Rad. alone | 355 | 54 | 6 | 4 | 419 |
| A) Surg. alone | 232 | 113 | 17 | 11 | 373 |
| F) (Rad.+Chem.) | 187 | 117 | 9 | 7 | 320 |
| AB) Surg.->Rad. | 32 | 19 | 2 | 1 | 54 |
| AF) Surg.->(Rad.+Chem.) | 13 | 20 | 1 | 1 | 35 |
| CF) Chem.->(Rad.+Chem.) | 6 | 18 | 1 | 1 | 26 |
| CA) Chem.->Surg. | 6 | 8 | 1 | 1 | 16 |
| FC) (Rad.+Chem.)->Chem. | 4 | 8 | 0 | 1 | 13 |
| BA) Rad.->Surg. | 6 | 5 | 0 | 0 | 11 |
| C) Chem. alone | 2 | 5 | 0 | 2 | 9 |
| FA) (Rad.+Chem.)->Surg. | 3 | 6 | 0 | 0 | 9 |
| ABC) Surg.->Rad.->Chem. | 0 | 5 | 1 | 1 | 7 |
| Others | 21 | 30 | 4 | 2 | 57 |
| Unknown | 84 | 42 | 7 | 3 | 136 |
| Total | 965 | 468 | 49 | 38 | 1520 |

NOS: not otherwise specified.

Surg.: surgery.

Rad.: radiotherapy.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.

Carcinoma of the larynx ----- 1520 Cases

Treatment Method for the Primary Lesion by T Classification

| Treatment method | T0 | Tis | T1 | T2 | T3 | T4 | TX | T- | Total |
|------------------|----|-----|-----|-----|-----|-----|----|-----|-------|
| Surgery | | | | | | | | | |
| Without | 0 | 10 | 327 | 291 | 150 | 49 | 0 | 17 | 844 |
| With | 0 | 14 | 138 | 76 | 173 | 130 | 5 | 8 | 544 |
| Unknown | 0 | 2 | 16 | 21 | 13 | 2 | 0 | 78 | 132 |
| Radiotherapy | | | | | | | | | |
| Without | 0 | 17 | 118 | 73 | 142 | 91 | 4 | 10 | 455 |
| With | 0 | 7 | 353 | 304 | 188 | 88 | 1 | 15 | 956 |
| Unknown | 0 | 2 | 10 | 11 | 6 | 2 | 0 | 78 | 109 |
| Chemotherapy | | | | | | | | | |
| Without | 0 | 23 | 413 | 167 | 172 | 117 | 5 | 20 | 917 |
| With | 0 | 1 | 58 | 210 | 158 | 62 | 0 | 5 | 494 |
| Unknown | 0 | 2 | 10 | 11 | 6 | 2 | 0 | 78 | 109 |
| Total | 0 | 26 | 481 | 388 | 336 | 181 | 5 | 103 | 1520 |

T-: without reported T classification.

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 | 3 | 3 | 6 | 10 | 10 | 0 | 3 | 35 |
| B) Rad. alone | 0 | 5 | 277 | 92 | 25 | 10 | 0 | 10 | 419 |
| A) Surg. alone | 0 | 13 | 112 | 51 | 119 | 68 | 4 | 6 | 373 |
| F) (Rad.+Chem.) | 0 | 0 | 43 | 169 | 92 | 13 | 0 | 3 | 320 |
| AB) Surg.->Rad. | 0 | 1 | 14 | 3 | 12 | 24 | 0 | 0 | 54 |
| AF) Surg.->(Rad.+Chem.) | 0 | 0 | 6 | 1 | 14 | 14 | 0 | 0 | 35 |
| CF) Chem.->(Rad.+Chem.) | 0 | 0 | 2 | 11 | 8 | 5 | 0 | 0 | 26 |
| CA) Chem.->Surg. | 0 | 0 | 0 | 2 | 8 | 5 | 0 | 1 | 16 |
| FC) (Rad.+Chem.)->Chem. | 0 | 0 | 0 | 4 | 7 | 2 | 0 | 0 | 13 |
| BA) Rad.->Surg. | 0 | 0 | 3 | 5 | 1 | 1 | 0 | 1 | 11 |
| C) Chem.alone | 0 | 0 | 0 | 4 | 0 | 5 | 0 | 0 | 9 |
| FA) (Rad.+Chem.)->Surg. | 0 | 0 | 0 | 4 | 3 | 2 | 0 | 0 | 9 |
| ABC) Surg.->Rad.->Chem. | 0 | 0 | 0 | 1 | 2 | 4 | 0 | 0 | 7 |
| Others | 0 | 2 | 5 | 14 | 19 | 15 | 1 | 1 | 57 |
| Unknown | 0 | 2 | 16 | 21 | 16 | 3 | 0 | 78 | 136 |
| Total | 0 | 26 | 481 | 388 | 336 | 181 | 5 | 103 | 1520 |

T-: without reported T classification.

Rad.: radiotherapy.

Surg.: surgery.

Chem.: chemotherapy.

Carcinoma of the larynx ----- 1520 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 | | | | | | | | | | | |
| Without | 0 | 9 | 13 | 196 | 74 | 191 | 72 | 9 | 0 | 11 | 575 |
| With | 0 | 11 | 18 | 86 | 14 | 30 | 70 | 69 | 5 | 5 | 308 |
| Unknown | 0 | 2 | 0 | 10 | 3 | 15 | 9 | 2 | 0 | 41 | 82 |
| Radiotherapy | | | | | | | | | | | |
| Without | 0 | 14 | 17 | 74 | 10 | 29 | 64 | 51 | 4 | 4 | 267 |
| With | 0 | 6 | 14 | 211 | 79 | 198 | 82 | 27 | 1 | 12 | 630 |
| Unknown | 0 | 2 | 0 | 7 | 2 | 9 | 5 | 2 | 0 | 41 | 68 |
| Chemotherapy | | | | | | | | | | | |
| Without | 0 | 20 | 27 | 267 | 76 | 103 | 83 | 58 | 5 | 15 | 654 |
| With | 0 | 0 | 4 | 18 | 13 | 124 | 63 | 20 | 0 | 1 | 243 |
| Unknown | 0 | 2 | 0 | 7 | 2 | 9 | 5 | 2 | 0 | 41 | 68 |
| Total | 0 | 22 | 31 | 292 | 91 | 236 | 151 | 80 | 5 | 57 | 965 |

T-: without reported T classification.

Glottic Carcinoma

Sequence of Treatment 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 | 3 | 0 | 1 | 1 | 2 | 5 | 2 | 0 | 0 | 14 |
| B) Rad. alone | 0 | 5 | 9 | 181 | 62 | 71 | 17 | 0 | 0 | 10 | 355 |
| A) Surg. alone | 0 | 10 | 17 | 72 | 8 | 21 | 54 | 42 | 4 | 4 | 232 |
| F) (Rad.+Chem.) | 0 | 0 | 3 | 14 | 10 | 114 | 45 | 1 | 0 | 0 | 187 |
| AB) Surg.->Rad. | 0 | 1 | 1 | 10 | 3 | 0 | 5 | 12 | 0 | 0 | 32 |
| AF) Surg.->(Rad.+Chem.) | 0 | 0 | 0 | 2 | 2 | 0 | 3 | 6 | 0 | 0 | 13 |
| BA) Rad.->Surg. | 0 | 0 | 0 | 2 | 0 | 3 | 0 | 0 | 0 | 1 | 6 |
| CA) Chem.->Surg. | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 0 | 0 | 6 |
| CF) Chem.->(Rad.+Chem.) | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 6 |
| FC) (Rad.+Chem.)->Chem. | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 4 |
| Others | 0 | 1 | 0 | 0 | 2 | 6 | 6 | 9 | 1 | 1 | 26 |
| Unknown | 0 | 2 | 0 | 10 | 3 | 15 | 10 | 3 | 0 | 41 | 84 |
| Total | 0 | 22 | 31 | 292 | 91 | 236 | 151 | 80 | 5 | 57 | 965 |

T-: without reported T classification.

Rad.: radiotherapy.

Surg.: surgery.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.

Carcinoma of the larynx ----- 1520 Cases

Supraglottic Carcinoma

Treatment Method for the Primary Lesion by T Classification

| Treatment method | T0 | Tis | T1 | T2 | T3 | T4 | TX | T- | Total |
|---------------------|----------|----------|-----------|------------|------------|-----------|----------|-----------|------------|
| Surgery | | | | | | | | | |
| Without | 0 | 1 | 41 | 81 | 76 | 31 | 0 | 4 | 234 |
| With | 0 | 3 | 18 | 42 | 89 | 40 | 0 | 2 | 194 |
| Unknown | 0 | 0 | 3 | 6 | 4 | 0 | 0 | 27 | 40 |
| Radiotherapy | | | | | | | | | |
| Without | 0 | 3 | 15 | 38 | 66 | 25 | 0 | 4 | 151 |
| With | 0 | 1 | 46 | 89 | 102 | 46 | 0 | 2 | 286 |
| Unknown | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 27 | 31 |
| Chemotherapy | | | | | | | | | |
| Without | 0 | 3 | 39 | 54 | 78 | 40 | 0 | 4 | 218 |
| With | 0 | 1 | 22 | 73 | 90 | 31 | 0 | 2 | 219 |
| Unknown | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 27 | 31 |
| Total | 0 | 4 | 62 | 129 | 169 | 71 | 0 | 33 | 468 |

T-: without reported T classification.

Supraglottic Carcinoma

Sequence of Treatment 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 | 3 | 5 | 7 | 0 | 2 | 18 |
| F) (Rad.+Chem.) | 0 | 0 | 15 | 44 | 46 | 10 | 0 | 2 | 117 |
| A) Surg. alone | 0 | 3 | 13 | 27 | 54 | 14 | 0 | 0 | 111 |
| B) Rad. alone | 0 | 0 | 23 | 16 | 8 | 7 | 0 | 0 | 54 |
| AF) Surg.->(Rad.+Chem.) | 0 | 0 | 2 | 1 | 11 | 6 | 0 | 0 | 20 |
| AB) Surg.->Rad. | 0 | 0 | 0 | 3 | 7 | 9 | 0 | 0 | 19 |
| CF) Chem.->(Rad.+Chem.) | 0 | 0 | 1 | 9 | 6 | 2 | 0 | 0 | 18 |
| CA) Chem.->Surg. | 0 | 0 | 0 | 1 | 5 | 2 | 0 | 0 | 8 |
| FC) (Rad.+Chem.)->Chem. | 0 | 0 | 0 | 2 | 5 | 1 | 0 | 0 | 8 |
| ABC) Surg.->Rad.->Chem. | 0 | 0 | 0 | 1 | 3 | 2 | 0 | 0 | 6 |
| FA) (Rad.+Chem.)->Surg. | 0 | 0 | 0 | 3 | 2 | 1 | 0 | 0 | 6 |
| BA) Rad.->Surg. | 0 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 5 |
| C) Chem. alone | 0 | 0 | 0 | 3 | 0 | 2 | 0 | 0 | 5 |
| Others | 0 | 1 | 3 | 8 | 10 | 7 | 0 | 2 | 31 |
| Unknown | 0 | 0 | 3 | 6 | 6 | 0 | 0 | 27 | 42 |
| Total | 0 | 4 | 62 | 129 | 169 | 71 | 0 | 33 | 468 |

T-: without reported T classification.

Rad.: radiotherapy.

Surg.: surgery.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.

Carcinoma of the larynx ----- 1520 Cases

Subglottic Carcinoma

Treatment Method for the Primary Lesion by T Classification

| Treatment method | T0 | Tis | T1 | T2 | T3 | T4 | TX | T- | Total |
|------------------|----|-----|----|----|----|----|----|----|-------|
| Surgery | | | | | | | | | |
| Without | 0 | 0 | 1 | 11 | 1 | 3 | 0 | 0 | 16 |
| With | 0 | 0 | 2 | 3 | 11 | 9 | 0 | 1 | 26 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 7 |
| Radiotherapy | | | | | | | | | |
| Without | 0 | 0 | 2 | 3 | 10 | 4 | 0 | 1 | 20 |
| With | 0 | 0 | 1 | 11 | 2 | 8 | 0 | 0 | 22 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 7 |
| Chemotherapy | | | | | | | | | |
| Without | 0 | 0 | 2 | 8 | 9 | 7 | 0 | 0 | 26 |
| With | 0 | 0 | 1 | 6 | 3 | 5 | 0 | 1 | 16 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 7 |
| Total | 0 | 0 | 3 | 14 | 12 | 12 | 0 | 8 | 49 |

T-: without reported T classification.

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 | 1 | 2 | 9 | 4 | 0 | 0 | 16 |
| B) Rad. alone | 0 | 0 | 0 | 5 | 0 | 1 | 0 | 0 | 6 |
| F) (Rad.+Chem.) | 0 | 0 | 1 | 6 | 1 | 1 | 0 | 0 | 9 |
| Others | 0 | 0 | 1 | 1 | 2 | 6 | 0 | 1 | 11 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 7 |
| Total | 0 | 0 | 3 | 14 | 12 | 12 | 0 | 8 | 49 |

T-: without reported T classification.

Surg.: surgery.

Rad.: radiotherapy.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.

Carcinoma of the larynx ----- 1520 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 | | | | | | | | | |
| Without | 0 | 0 | 2 | 8 | 1 | 6 | 0 | 2 | 19 |
| With | 0 | 0 | 0 | 1 | 3 | 12 | 0 | 0 | 16 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| Radiotherapy | | | | | | | | | |
| Without | 0 | 0 | 0 | 3 | 2 | 11 | 0 | 1 | 17 |
| With | 0 | 0 | 2 | 6 | 2 | 7 | 0 | 1 | 18 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| Chemotherapy | | | | | | | | | |
| Without | 0 | 0 | 2 | 2 | 2 | 12 | 0 | 1 | 19 |
| With | 0 | 0 | 0 | 7 | 2 | 6 | 0 | 1 | 16 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| Total | 0 | 0 | 2 | 9 | 4 | 18 | 0 | 5 | 38 |

NOS: not otherwise specified.

T-: without reported T classification.

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 | 0 | 1 | 0 | 1 | 0 | 1 | 3 |
| A) Surg. alone | 0 | 0 | 0 | 1 | 2 | 8 | 0 | 0 | 11 |
| F) (Rad.+Chem.) | 0 | 0 | 0 | 5 | 0 | 1 | 0 | 1 | 7 |
| B) Rad. alone | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 4 |
| Others | 0 | 0 | 0 | 2 | 2 | 6 | 0 | 0 | 10 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| Total | 0 | 0 | 2 | 9 | 4 | 18 | 0 | 5 | 38 |

NOS: not otherwise specified.

T-: without reported T classification.

Surg.: surgery.

Rad.: radiotherapy.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Larynx ----- 1520 Cases

Surgical Method for the Primary Lesion by Subsite

| Surgical method | | Glottis (C32.0) | Supra- glottis (C32.1) (C10.3) | Subglottis (C32.2) | Larynx, NOS (C32.9) | Total |
|-----------------|--|--------------------|---|-----------------------|---------------------------|-------|
| X0) | No surgery | 572 | 234 | 16 | 19 | 841 |
| G5) | Total laryngectomy | 130 | 122 | 23 | 14 | 289 |
| G2) F2) | Transoral resection | 114 | 19 | 0 | 1 | 134 |
| G1) | Endoscopic resection | 31 | 9 | 0 | 0 | 40 |
| G3) | Partial laryngectomy | 7 | 10 | 2 | 0 | 19 |
| G4) | Subtotal laryngectomy | 12 | 5 | 0 | 0 | 17 |
| F5) | Total pharyngolaryngectomy | 2 | 9 | 0 | 1 | 12 |
| F6) | Total laryngopharyngo- esophagectomy | 3 | 5 | 1 | 0 | 9 |
| F4) | Total laryngectomy +Partial pharyngectomy | 1 | 4 | 0 | 0 | 5 |
| G9)X9)+ | Laryngectomy, other type, Others | 10 | 10 | 0 | 0 | 20 |
| | Unknown | 83 | 41 | 7 | 3 | 134 |
| Total | | 965 | 468 | 49 | 38 | 1520 |

NOS: not otherwise specified

Surgical Method for the Primary Lesion by T Classification

| Surgical method | | T0 | Tis | T1 | T2 | T3 | T4 | TX | T- | Total |
|-----------------|--|----|-----|-----|-----|-----|-----|----|-----|-------|
| X0) | No surgery | 0 | 9 | 326 | 291 | 149 | 49 | 0 | 17 | 841 |
| G5) | Total laryngectomy | 0 | 0 | 7 | 32 | 134 | 113 | 0 | 3 | 289 |
| G2) F2) | Transoral resection | 0 | 8 | 94 | 18 | 7 | 0 | 4 | 3 | 134 |
| G1) | Endoscopic resection | 0 | 4 | 25 | 9 | 1 | 0 | 0 | 1 | 40 |
| G3) | Partial laryngectomy | 0 | 0 | 6 | 8 | 5 | 0 | 0 | 0 | 19 |
| G4) | Subtotal laryngectomy | 0 | 0 | 1 | 5 | 8 | 3 | 0 | 0 | 17 |
| F5) | Total pharyngolaryngectomy | 0 | 0 | 0 | 2 | 5 | 5 | 0 | 0 | 12 |
| F6) | Total laryngopharyngo- esophagectomy | 0 | 0 | 1 | 0 | 3 | 4 | 0 | 1 | 9 |
| F4) | Total laryngectomy +Partial pharyngectomy | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 5 |
| G9)X0)+ | Laryngectomy, other type, Others | 0 | 2 | 5 | 1 | 8 | 3 | 1 | 0 | 20 |
| | Unknown | 0 | 3 | 16 | 22 | 13 | 2 | 0 | 78 | 134 |
| Total | | 0 | 26 | 481 | 388 | 336 | 181 | 5 | 103 | 1520 |

T-: without reported T classification.

Carcinoma of the Larynx ——— 1520 Cases

Glottic Carcinoma

Surgical Method for the Primary Lesion by T Classification

| Surgical method | T0 | Tis | T1 | T2 | T3 | T4 | TX | T- | Total |
|---|----|-----|-----|-----|-----|----|----|----|-------|
| X0) No surgery | 0 | 8 | 282 | 191 | 71 | 9 | 0 | 11 | 572 |
| G5) Total laryngectomy | 0 | 0 | 2 | 9 | 56 | 61 | 0 | 2 | 130 |
| G2) F2) Transoral resection | 0 | 6 | 86 | 11 | 4 | 0 | 4 | 3 | 114 |
| G1) Endoscopic resection | 0 | 3 | 23 | 4 | 1 | 0 | 0 | 0 | 31 |
| G4) Subtotal laryngectomy | 0 | 0 | 1 | 4 | 4 | 3 | 0 | 0 | 12 |
| G3) Partial laryngectomy | 0 | 0 | 4 | 1 | 2 | 0 | 0 | 0 | 7 |
| F5) Total pharyngolaryngectomy | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| F6) Total laryngopharyngo- esophagectomy | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 3 |
| G9)X9) Laryngectomy, other type, Others | 0 | 2 | 3 | 1 | 2 | 2 | 0 | 1 | 11 |
| Unknown | 0 | 3 | 13 | 15 | 9 | 2 | 0 | 41 | 83 |
| Total | 0 | 22 | 414 | 236 | 151 | 80 | 4 | 58 | 965 |

T-: without reported T classification.

Supraglottic Carcinoma

Surgical Method for the Primary Lesion by T Classification

| Surgical method | T0 | Tis | T1 | T2 | T3 | T4 | TX | T- | Total |
|--|----|-----|----|-----|-----|----|----|----|-------|
| X0) No surgery | 0 | 1 | 41 | 81 | 76 | 31 | 0 | 4 | 234 |
| G5) Total laryngectomy | 0 | 0 | 3 | 21 | 66 | 32 | 0 | 0 | 122 |
| G2) F2) Transoral resection | 0 | 2 | 8 | 6 | 3 | 0 | 0 | 0 | 19 |
| G3) Partial laryngectomy | 0 | 0 | 2 | 6 | 2 | 0 | 0 | 0 | 10 |
| G1) Endoscopic resection | 0 | 1 | 2 | 5 | 0 | 0 | 0 | 1 | 9 |
| F5) Total pharyngolaryngectomy | 0 | 0 | 0 | 2 | 5 | 2 | 0 | 0 | 9 |
| G4) Subtotal laryngectomy | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 5 |
| F6) Total laryngopharyngo- esophagectomy | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 1 | 5 |
| F4) Total laryngectomy +Partial pharyngectomy | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 4 |
| G9)X9) Laryngectomy, other type, Others | 0 | 0 | 2 | 0 | 6 | 2 | 0 | 0 | 10 |
| Unknown | 0 | 0 | 3 | 7 | 4 | 0 | 0 | 27 | 41 |
| Total | 0 | 4 | 62 | 129 | 169 | 71 | 0 | 33 | 468 |

T-: without reported T classification.

Carcinoma of the Larynx ----- 1520 Cases

Subglottic Carcinoma

Surgical Method for the Primary Lesion by T Classification

| Surgical method | | T0 | Tis | T1 | T2 | T3 | T4 | TX | T- | Total |
|-----------------|---|----|-----|----|----|----|----|----|----|-------|
| X0) | No surgery | 0 | 0 | 1 | 11 | 1 | 3 | 0 | 0 | 16 |
| G5) | Total laryngectomy | 0 | 0 | 2 | 2 | 9 | 9 | 0 | 1 | 23 |
| G3) | Partial laryngectomy | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| F6) | Total laryngopharyngo- esophagectomy | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 7 |
| Total | | 0 | 0 | 3 | 14 | 12 | 12 | 0 | 8 | 49 |

T-: without reported T classification.

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 |
|-----------------|----------------------------|----|-----|----|----|----|----|----|----|-------|
| X0) | No surgery | 0 | 0 | 2 | 8 | 1 | 6 | 0 | 2 | 19 |
| G5) | Total laryngectomy | 0 | 0 | 0 | 0 | 3 | 11 | 0 | 0 | 14 |
| G2) | Transoral resection | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| F5) | Total pharyngolaryngectomy | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| Total | | 0 | 0 | 2 | 9 | 4 | 18 | 0 | 5 | 38 |

NOS: not otherwise specified.

T-: without reported T classification.

Carcinoma of the larynx ----- 1520 Cases

Treatment Method for the Cervical Lymph Nodes by Subsite

| Treatment method | Glottis (C32.0) | Supra- glottis (C32.1) (C10.3) | Subglottis (C32.2) | Larynx, NOS (C32.9) | Total |
|---------------------|--------------------|---|-----------------------|------------------------|-------------|
| Surgery | | | | | |
| Without | 750 | 263 | 30 | 22 | 1065 |
| With | 111 | 152 | 10 | 7 | 280 |
| Unknown | 104 | 53 | 9 | 9 | 175 |
| Radiotherapy | | | | | |
| Without | 779 | 291 | 31 | 24 | 1125 |
| With | 82 | 124 | 9 | 5 | 220 |
| Unknown | 104 | 53 | 9 | 9 | 175 |
| Chemotherapy | | | | | |
| Without | 788 | 263 | 30 | 22 | 1103 |
| With | 73 | 152 | 10 | 7 | 242 |
| Unknown | 104 | 53 | 9 | 9 | 175 |
| Total | 965 | 468 | 49 | 38 | 1520 |

NOS: not otherwise specified.

Neck Dissection on the Ipsilateral Side by Subsite

| Neck dissection | Glottis (C32.0) | Supra- glottis (C32.1) (C10.3) | Subglottis (C32.2) | Larynx, NOS (C32.9) | Total |
|------------------------|--------------------|---|-----------------------|---------------------------|-------------|
| 0) No N.D. | 744 | 248 | 26 | 21 | 1039 |
| 1) Total N.D. | 19 | 33 | 3 | 1 | 56 |
| 2) Selective N.D. | 92 | 133 | 10 | 9 | 244 |
| 3) Lymph node excision | 3 | 1 | 1 | 0 | 5 |
| 9) Unknown type | 3 | 3 | 0 | 0 | 6 |
| Unknown | 104 | 50 | 9 | 7 | 170 |
| Total | 965 | 468 | 49 | 38 | 1520 |

NOS: not otherwise specified.

N.D.: neck dissection.

Carcinoma of the Larynx ----- 1520 Cases

Neck Dissection on the Contralateral Side by Subsite

| Neck dissection | Glottis (C32.0) | Supra- glottis (C32.1) (C10.3) | Subglottis (C32.2) | Larynx, NOS (C32.9) | Total |
|------------------------|--------------------|---|-----------------------|---------------------------|-------|
| 0) No N.D. | 793 | 314 | 29 | 27 | 1163 |
| 1) Total N.D. | 7 | 12 | 1 | 1 | 21 |
| 2) Selective N.D. | 57 | 89 | 9 | 3 | 158 |
| 3) Lymph node excision | 1 | 0 | 1 | 0 | 2 |
| Unknown | 107 | 53 | 9 | 7 | 176 |
| Total | 965 | 468 | 49 | 38 | 1520 |

NOS: not otherwise specified.

N.D.: neck dissection.

Reconstructive Surgery for the Primary Lesion by Subsite

| Reconstructive surgery | Glottis (C32.0) | Supraglottis (C32.1) (C10.3) | Subglottis (C32.2) | Larynx, NOS (C32.9) | Total |
|------------------------|--------------------|------------------------------------|-----------------------|---------------------------|-------|
| 0) No reconstruction | 878 | 394 | 39 | 34 | 1345 |
| B) Free jejunal flap | 5 | 20 | 1 | 1 | 27 |
| 5) PM MC flap | 5 | 10 | 0 | 0 | 15 |
| 4) DP flap | 4 | 1 | 1 | 0 | 6 |
| E) Free ALT flap | 1 | 4 | 0 | 0 | 5 |
| 7) Gastric pull up | 1 | 3 | 0 | 0 | 4 |
| C) Free FA flap | 0 | 4 | 0 | 0 | 4 |
| 3) Mucosal flap | 2 | 1 | 0 | 0 | 3 |
| 2) Local skin flap | 1 | 0 | 1 | 0 | 2 |
| D) Free RA MC flap | 1 | 0 | 0 | 0 | 1 |
| Unknown | 67 | 31 | 7 | 3 | 108 |
| Total | 965 | 468 | 49 | 38 | 1520 |

NOS: not otherwise specified.

PM: pectoralis major.

MC: musculocutaneous.

DP: deltopectoral.

ALT: anterolateral thigh.

FA: forearm.

RA: rectus abdominis.

Carcinoma of the Larynx ----- 1520 Cases

Radiotherapy by Subsite

| Type of radiotherapy | Glottis (C32.0) | Supraglottis (C32.1) (C10.3) | Subglottis (C32.2) | Larynx, NOS (C32.9) | Total |
|---------------------------------|--------------------|------------------------------------|-----------------------|---------------------------|-------------|
| 0) No radiotherapy | 262 | 142 | 20 | 17 | 441 |
| 1) X-ray (and/or electron beam) | 620 | 289 | 21 | 17 | 947 |
| 4) X-ray+Particle beam | 0 | 1 | 0 | 0 | 1 |
| 8) others | 1 | 1 | 0 | 0 | 2 |
| Unknown type | 14 | 4 | 1 | 1 | 20 |
| 9) Unknown | 68 | 31 | 7 | 3 | 109 |
| Total | 965 | 468 | 49 | 38 | 1520 |

NOS: not otherwise specified.

Chemotherapy by Subsite

| Route of administration | Glottis (C32.0) | Supraglottis (C32.1) (C10.3) | Subglottis (C32.2) | Larynx, NOS (C32.9) | Total |
|-------------------------|--------------------|------------------------------------|-----------------------|---------------------------|-------------|
| 0) No chemotherapy | 649 | 217 | 26 | 19 | 911 |
| 1) I.V. | 166 | 167 | 10 | 12 | 355 |
| 3) Oral | 57 | 26 | 2 | 3 | 88 |
| 5) I.V.+Oral | 10 | 10 | 3 | 1 | 24 |
| 2) I.A. | 10 | 10 | 0 | 0 | 20 |
| 7) I.V.+I.A.+Oral | 0 | 1 | 0 | 0 | 1 |
| 8) others | 1 | 1 | 0 | 0 | 2 |
| Unknow route | 4 | 5 | 1 | 0 | 10 |
| 9) Unknown | 68 | 31 | 7 | 3 | 109 |
| Total | 965 | 468 | 49 | 38 | 1520 |

NOS: not otherwise specified.

I.V.: Intravenous.

I.A.: intraarterial.

Hypopharynx (2013)

1481 Cases

Carcinoma of the Hypopharynx ----- 1481 Cases

Subsite

| Subsite | Number of patients (%) | |
|------------------|------------------------|----------------|
| Postcricoid | 138 | (9.3) |
| Pyriiform sinus | 1063 | (71.8) |
| Posterior wall | 206 | (13.9) |
| Hypopharynx, NOS | 74 | (5.0) |
| Total | 1481 | (100.0) |

NOS: not otherwise specified.

Age Distribution by Gender

| Age | Male | Female | Total |
|--------------|-------------|------------|-------------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 1 | 0 | 1 |
| 20 - 29 | 0 | 0 | 0 |
| 30 - 39 | 2 | 2 | 4 |
| 40 - 49 | 32 | 12 | 44 |
| 50 - 59 | 177 | 25 | 202 |
| 60 - 69 | 581 | 37 | 618 |
| 70 - 79 | 456 | 23 | 479 |
| 80 - 89 | 120 | 9 | 129 |
| 90 - 99 | 3 | 1 | 4 |
| Total | 1372 | 109 | 1481 |

Carcinoma of the Hypopharynx ——— 1481 Cases

Postcricoid

Age Distribution by Gender

| Age | Male | Female | Total |
|---------|------|--------|-------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 0 | 0 | 0 |
| 20 - 29 | 0 | 0 | 0 |
| 30 - 39 | 0 | 2 | 2 |
| 40 - 49 | 5 | 3 | 8 |
| 50 - 59 | 17 | 3 | 20 |
| 60 - 69 | 41 | 9 | 50 |
| 70 - 79 | 38 | 5 | 43 |
| 80 - 89 | 13 | 2 | 15 |
| 90 - 99 | 0 | 0 | 0 |
| Total | 114 | 24 | 138 |

Pyriform Sinus

Age Distribution by Gender

| Age | Male | Female | Total |
|---------|------|--------|-------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 1 | 0 | 1 |
| 20 - 29 | 0 | 0 | 0 |
| 30 - 39 | 2 | 0 | 2 |
| 40 - 49 | 21 | 5 | 26 |
| 50 - 59 | 134 | 15 | 149 |
| 60 - 69 | 440 | 16 | 456 |
| 70 - 79 | 325 | 10 | 335 |
| 80 - 89 | 86 | 4 | 90 |
| 90 - 99 | 3 | 1 | 4 |
| Total | 1012 | 51 | 1063 |

Carcinoma of the Hypopharynx ——— 1481 Cases

Posterior Wall

Age Distribution by Gender

| Age | Male | Female | Total |
|---------|------|--------|-------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 0 | 0 | 0 |
| 20 - 29 | 0 | 0 | 0 |
| 30 - 39 | 0 | 0 | 0 |
| 40 - 49 | 4 | 3 | 7 |
| 50 - 59 | 16 | 5 | 21 |
| 60 - 69 | 77 | 9 | 86 |
| 70 - 79 | 67 | 4 | 71 |
| 80 - 89 | 18 | 3 | 21 |
| 90 - 99 | 0 | 0 | 0 |
| Total | 182 | 24 | 206 |

Hypopharynx, NOS

Age Distribution by Gender

| Age | Male | Female | Total |
|---------|------|--------|-------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 0 | 0 | 0 |
| 20 - 29 | 0 | 0 | 0 |
| 30 - 39 | 0 | 0 | 0 |
| 40 - 49 | 2 | 1 | 3 |
| 50 - 59 | 10 | 2 | 12 |
| 60 - 69 | 23 | 3 | 26 |
| 70 - 79 | 26 | 4 | 30 |
| 80 - 89 | 3 | 0 | 3 |
| 90 - 99 | 0 | 0 | 0 |
| Total | 64 | 10 | 74 |

Carcinoma of the Hypopharynx ——— 1481 Cases

Histological Distribution by Subsite

| Histologic type | Postcricoid (C13.0) | Pyriiform sinus (C12.9) | Posterior wall (C13.2) | Hypophar- ynx, NOS (C32.9) | Total |
|---|------------------------|-------------------------------|------------------------------|----------------------------------|-------|
| Adenocarcinoma, NOS | 0 | 1 | 0 | 0 | 1 |
| Adenosquamous ca. | 0 | 2 | 0 | 0 | 2 |
| Basaloid S.C.C. | 1 | 2 | 0 | 0 | 3 |
| Carcinoma, NOS | 0 | 2 | 2 | 0 | 4 |
| Ca., undiff., NOS | 0 | 0 | 0 | 1 | 1 |
| Lymphoepithelial ca. | 1 | 1 | 0 | 0 | 2 |
| Mucoepidermoid ca. | 1 | 1 | 0 | 0 | 2 |
| Neoplasm, malig. | 0 | 1 | 2 | 0 | 3 |
| Papillary S.C.C. | 0 | 1 | 1 | 0 | 2 |
| Small cell ca., NOS | 0 | 1 | 1 | 0 | 2 |
| Spindle cell ca., NOS | 0 | 2 | 1 | 0 | 3 |
| S.C.C. in situ with quest. stromal invasion | 0 | 1 | 2 | 0 | 3 |
| S.C.C. in situ, NOS | 3 | 51 | 12 | 1 | 67 |
| S.C.C. kerat., NOS | 8 | 47 | 10 | 1 | 66 |
| S.C.C. large cell, nonkerat. | 1 | 2 | 0 | 0 | 3 |
| S.C.C. microinvasive | 0 | 11 | 1 | 0 | 12 |
| S.C.C., NOS | 121 | 933 | 170 | 71 | 1295 |
| S.C.C. small cell, nonkerat. | 1 | 2 | 3 | 0 | 6 |
| S.C.C. spindle cell | 1 | 1 | 0 | 0 | 2 |
| Transitional cell ca., NOS | 0 | 1 | 1 | 0 | 2 |
| Total | 138 | 1063 | 206 | 74 | 1481 |

NOS: not otherwise specified.

ca., Ca.: carcinoma.

S.C.C.: squamous cell carcinoma.

quest.: questionable

kerat.: keratinizing.

nonkerat.: nonkeratinizing.

T and N Status

| | N0 | N1 | N2 | N2a | N2b | N2c | N3 | NX | N- | Total |
|-------|---------|--------|-------|--------|---------|---------|--------|----|-------|-------|
| T0 | 1 (1) | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 |
| Tis | 64 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 69 |
| T1 | 151 | 8 | 0 | 7 | 26 (1) | 2 | 7 | 0 | 2 (1) | 203 |
| T2 | 196 (2) | 63 (2) | 0 | 15 (1) | 124 (5) | 42 (6) | 16 (2) | 1 | 1 | 458 |
| T3 | 75 (1) | 38 (1) | 0 | 6 (1) | 78 (4) | 75 (9) | 15 (3) | 0 | 0 | 287 |
| T4 | 4 | 4 (1) | 1 (1) | 0 | 5 | 7 | 1 (1) | 0 | 0 | 22 |
| T4a | 45 | 31 (1) | 1 | 7 | 128 (9) | 85 (11) | 10 | 0 | 1 | 308 |
| T4b | 6 | 4 | 0 | 3 (1) | 4 | 12 (2) | 4 (3) | 0 | 1 | 34 |
| TX | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 5 |
| T- | 8 | 1 | 0 | 0 | 4 | 3 (2) | 2 | 0 | 74 | 92 |
| Total | 551 | 149 | 2 | 38 | 371 | 226 | 55 | 4 | 83 | 1481 |

M1: 72 cases. Numbers in parenthesis indicate numbers of M1 cases.

T-: without reported T classification.

N-: without reported N classification.

Carcinoma of the Hypopharynx ——— 1481 Cases

Postcricoid
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 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| T1 | 6 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 10 |
| T2 | 22 | 13 | 0 | 0 | 6 | 15 ** | 0 | 0 | 0 | 56 |
| T3 | 13 | 4 | 0 | 1 | 7 | 19 | 0 | 0 | 0 | 44 |
| T4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| T4a | 3 | 1 | 0 | 1 | 4 * | 5 * | 0 | 0 | 0 | 14 |
| T4b | 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 | 5 | 5 |
| Total | 51 | 22 | 0 | 2 | 19 | 39 | 0 | 0 | 5 | 138 |

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

T-: without reported T classification.

N-: without reported N classification.

Pyriiform Sinus

T and N Status

| | N0 | N1 | N2 | N2a | N2b | N2c | N3 | NX | N- | Total |
|--------------|------------|------------|----------|-----------|------------|------------|-----------|----------|-----------|-------------|
| T0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Tis | 44 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 49 |
| T1 | 120 | 4 | 0 | 7 | 19 (1) | 2 | 5 | 0 | 1 | 158 |
| T2 | 135 | 43 (2) | 0 | 14 (1) | 106 (3) | 18 (2) | 15 (2) | 1 | 1 | 333 |
| T3 | 40 (1) | 25 (1) | 0 | 5 (1) | 60 (2) | 40 (4) | 12 (2) | 0 | 0 | 182 |
| T4 | 1 | 3 (1) | 1 (1) | 0 | 2 | 4 | 0 | 0 | 0 | 11 |
| T4a | 38 | 22 | 1 | 5 | 114 (7) | 54 (9) | 9 | 0 | 1 | 244 |
| T4b | 1 | 1 | 0 | 1 | 4 | 6 | 2 (1) | 0 | 0 | 15 |
| TX | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| T- | 5 | 1 | 0 | 0 | 4 | 3 | 2 | 0 | 53 | 68 |
| Total | 386 | 100 | 2 | 32 | 310 | 127 | 45 | 1 | 60 | 1063 |

M1: 45 cases. Numbers in parenthesis indicate numbers of M1 cases.

T-: without reported T classification.

N-: without reported N classification.

Carcinoma of the Hypopharynx ----- 1481 Cases

Posterior Wall

T and N Status

| | N0 | N1 | N2 | N2a | N2b | N2c | N3 | NX | N- | Total |
|-------|--------|-------|----|-------|--------|--------|-------|----|-------|-------|
| Tis | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| T1 | 20 | 0 | 0 | 0 | 5 | 0 | 2 | 0 | 1 (1) | 28 |
| T2 | 30 (1) | 7 | 0 | 1 | 11 (2) | 7 (1) | 0 | 0 | 0 | 56 |
| T3 | 19 | 7 | 0 | 0 | 8 (1) | 14 (4) | 3 (1) | 0 | 0 | 51 |
| T4 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 4 |
| T4a | 3 | 6 (1) | 0 | 0 | 7 | 14 (1) | 1 | 0 | 0 | 31 |
| T4b | 3 | 3 | 0 | 2 (1) | 0 | 3 (1) | 0 | 0 | 1 | 12 |
| TX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| T- | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 10 |
| Total | 90 | 23 | 0 | 3 | 31 | 41 | 6 | 3 | 9 | 206 |

M1: 16 cases. Numbers in parenthesis indicate numbers of M1 cases.

T-: without reported T classification.

N-: without reported N classification.

Hypopharynx, NOS

T and N Status

| | N0 | N1 | N2 | N2a | N2b | N2c | N3 | NX | N- | Total |
|-------|----|----|----|-----|-----|-----|------|----|----|-------|
| Tis | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| T1 | 5 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 7 |
| T2 | 10 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 13 |
| T3 | 3 | 2 | 0 | 0 | 3 * | 2 * | 0 | 0 | 0 | 10 |
| T4 | 2 | 0 | 0 | 0 | 3 | 0 | 1 * | 0 | 0 | 6 |
| T4a | 1 | 2 | 0 | 1 | 3 * | 12 | 0 | 0 | 0 | 19 |
| T4b | 2 | 0 | 0 | 0 | 0 | 3 * | 2 ** | 0 | 0 | 7 |
| TX | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| T- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 9 |
| Total | 25 | 5 | 0 | 1 | 12 | 19 | 3 | 0 | 9 | 74 |

NOS: not otherwise specified.

M1: 7 cases. Each * signifies one M1 case.

T-: without reported T classification.

N-: without reported N classification.

Carcinoma of the Hypopharynx ——— 1481 Cases

Treatment Method for the Primary Lesion by Subsite

| Treatment method | Postcricoid (C13.0) | Pyriform sinus (C12.9) | Posterior wall (C13.2) | Hypopharynx, NOS (C13.9) | Total |
|------------------|------------------------|------------------------------|------------------------------|--------------------------------|-------|
| Surgery | | | | | |
| Without | 72 | 540 | 100 | 46 | 758 |
| With | 56 | 457 | 92 | 21 | 626 |
| Unknown | 10 | 66 | 13 | 7 | 86 |
| Radiotherapy | | | | | |
| Without | 52 | 387 | 84 | 32 | 555 |
| With | 78 | 618 | 110 | 36 | 842 |
| Unknown | 8 | 58 | 11 | 6 | 83 |
| Chemotherapy | | | | | |
| Without | 50 | 419 | 84 | 34 | 587 |
| With | 80 | 585 | 111 | 34 | 810 |
| Unknown | 8 | 59 | 11 | 6 | 84 |
| Total | 138 | 1063 | 206 | 74 | 1481 |

NOS: not otherwise specified.

Treatment Method for the Cervical Lymph Nodes by Subsite

| Treatment method | Postcricoid (C13.0) | Pyriform sinus (C12.9) | Posterior wall (C13.2) | Hypopharynx, NOS (C13.9) | Total |
|------------------|------------------------|------------------------------|------------------------------|--------------------------------|-------|
| Surgery | | | | | |
| Without | 75 | 627 | 123 | 43 | 868 |
| With | 51 | 354 | 59 | 17 | 481 |
| Unknown | 12 | 82 | 23 | 14 | 131 |
| Radiotherapy | | | | | |
| Without | 69 | 516 | 101 | 35 | 721 |
| With | 59 | 471 | 81 | 25 | 636 |
| Unknown | 10 | 76 | 23 | 14 | 123 |
| Chemotherapy | | | | | |
| Without | 70 | 545 | 128 | 37 | 780 |
| With | 58 | 443 | 55 | 23 | 579 |
| Unknown | 10 | 75 | 23 | 14 | 122 |
| Total | 138 | 1063 | 206 | 74 | 1481 |

NOS: not otherwise specified.

Carcinoma of the Hypopharynx ----- 1481 Cases

Sequence of Treatment Methods for the Primary Lesion by Subsite

| Sequence of treatment methods | Postericoid (C13.0) | Pyrimform sinus (C12.9) | Posterior wall (C13.2) | Hypopharynx, NOS (C13.9) | Total |
|---------------------------------|------------------------|-------------------------------|------------------------------|--------------------------------|-------|
| No treatment | 2 | 37 | 5 | 11 | 55 |
| A) Surg. alone | 31 | 263 | 60 | 13 | 367 |
| F) (Rad.+Chem.) | 35 | 254 | 45 | 13 | 347 |
| CF) Chem.->(Rad.+Chem.) | 16 | 102 | 19 | 8 | 145 |
| B) Rad. alone | 8 | 70 | 11 | 5 | 94 |
| AF) Surg.->(Rad.+Chem.) | 2 | 53 | 4 | 3 | 62 |
| AB) Surg.->Rad. | 7 | 29 | 6 | 1 | 43 |
| CA) Chem.->Surg. | 6 | 30 | 7 | 0 | 43 |
| C) Chem. alone | 6 | 25 | 6 | 5 | 42 |
| CAF) Chem.->Surg.->(Rad.+Chem.) | 1 | 25 | 5 | 1 | 32 |
| FC) (Rad.+Chem.)->Chem. | 0 | 13 | 4 | 1 | 18 |
| CAB) Chem.->Surg.->Rad. | 3 | 15 | 0 | 0 | 18 |
| CB) Chem.->Rad. | 4 | 11 | 1 | 1 | 17 |
| CFC) Chem.->(Rad.+Chem.)->Chem. | 0 | 11 | 3 | 0 | 14 |
| FA) (Rad.+Chem.)->Surg. | 0 | 10 | 2 | 0 | 12 |
| AC) Surg.->Chem. | 0 | 6 | 1 | 0 | 7 |
| E) Surg.+Chem. | 2 | 4 | 1 | 0 | 7 |
| G) Surg.+Rad.+Chem. | 0 | 5 | 0 | 1 | 6 |
| CFA) Chem.->(Rad.+Chem.)->Surg. | 1 | 4 | 0 | 0 | 5 |
| Others | 3 | 29 | 12 | 4 | 48 |
| Unknown | 11 | 67 | 14 | 7 | 99 |
| Total | 138 | 1063 | 206 | 74 | 1481 |

NOS: not otherwise specified.

Surg.: surgery.

Treatment methods in parentheses were given concurrently.

Rad.: radiotherapy.

Chem.: chemotherapy.

Carcinoma of the Hypopharynx ----- 1481 Cases

Treatment Method for the Primary Lesion by T Classification

| Treatment method | T0 | Tis | T1 | T2 | T3 | T4 | TX | T- | Total |
|---------------------|----------|-----------|------------|------------|------------|------------|----------|-----------|-------------|
| Surgery | | | | | | | | | |
| Without | 2 | 3 | 80 | 303 | 162 | 177 | 2 | 29 | 758 |
| With | 1 | 66 | 117 | 133 | 114 | 175 | 3 | 18 | 627 |
| Unknown | 0 | 0 | 6 | 22 | 11 | 12 | 0 | 45 | 96 |
| Radiotherapy | | | | | | | | | |
| Without | 2 | 68 | 113 | 120 | 89 | 141 | 3 | 19 | 555 |
| With | 1 | 1 | 85 | 322 | 189 | 214 | 2 | 29 | 843 |
| Unknown | 0 | 0 | 5 | 16 | 9 | 9 | 0 | 44 | 83 |
| Chemotherapy | | | | | | | | | |
| Without | 1 | 68 | 135 | 148 | 79 | 133 | 3 | 21 | 588 |
| With | 2 | 1 | 63 | 293 | 200 | 221 | 2 | 27 | 809 |
| Unknown | 0 | 0 | 5 | 17 | 8 | 10 | 0 | 44 | 84 |
| Total | 3 | 69 | 203 | 458 | 287 | 364 | 5 | 92 | 1481 |

T-: without reported T classification.

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 | 1 | 5 | 9 | 9 | 27 | 0 | 4 | 55 |
| A) Surg. alone | 1 | 64 | 100 | 80 | 43 | 64 | 3 | 12 | 367 |
| F) (Rad.+Chem.) | 0 | 0 | 30 | 173 | 68 | 57 | 1 | 18 | 347 |
| CF) Chem.->(Rad.+Chem.) | 1 | 0 | 10 | 47 | 42 | 41 | 1 | 3 | 145 |
| B) Rad. alone | 0 | 1 | 24 | 42 | 12 | 14 | 0 | 1 | 94 |
| AF) Surg.->(Rad.+Chem.) | 0 | 1 | 5 | 14 | 11 | 28 | 0 | 3 | 62 |
| AB) Surg.->Rad. | 0 | 0 | 4 | 7 | 11 | 21 | 0 | 0 | 43 |
| CA) Chem.->Surg. | 0 | 0 | 3 | 4 | 16 | 20 | 0 | 0 | 43 |
| C) Chem. alone | 1 | 0 | 3 | 6 | 14 | 17 | 0 | 1 | 42 |
| CAF) Chem.->Surg.->(Rad.+Chem.) | 0 | 0 | 0 | 7 | 10 | 14 | 0 | 1 | 32 |
| CAB) Chem.->Surg.->Rad. | 0 | 0 | 1 | 4 | 8 | 5 | 0 | 0 | 18 |
| FC) (Rad.+Chem.)->Chem. | 0 | 0 | 3 | 5 | 6 | 3 | 0 | 1 | 18 |
| CB) Chem.->Rad. | 0 | 0 | 1 | 6 | 4 | 5 | 0 | 1 | 17 |
| CFC) Chem.->(Rad.+Chem.)->Chem. | 0 | 0 | 1 | 4 | 3 | 6 | 0 | 0 | 14 |
| FA) (Rad.+Chem.)->Surg. | 0 | 0 | 1 | 3 | 5 | 3 | 0 | 0 | 12 |
| AC) Surg.->Chem. | 0 | 0 | 0 | 3 | 1 | 3 | 0 | 0 | 7 |
| E) (Surg.+Chem.) | 0 | 0 | 1 | 1 | 1 | 4 | 0 | 0 | 7 |
| G) (Surg.+Rad.+Chem.) | 0 | 0 | 1 | 0 | 1 | 4 | 0 | 0 | 6 |
| CFA) Chem.->(Rad.+Chem.)->Surg. | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 5 |
| Others | 0 | 2 | 4 | 17 | 8 | 15 | 0 | 2 | 48 |
| Unknown | 0 | 0 | 6 | 23 | 12 | 13 | 0 | 45 | 99 |
| Total | 3 | 69 | 203 | 458 | 287 | 364 | 5 | 92 | 1481 |

T-: without reported T classification.

Surg.: surgery.

Rad.: radiotherapy.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Hypopharynx ----- 1481 Cases

Postcricoid

Treatment Method for the Primary Lesion by T Classification

| Treatment method | T0 | Tis | T1 | T2 | T3 | T4 | TX | T- | Total |
|------------------|----|-----|----|----|----|----|----|----|-------|
| Surgery | | | | | | | | | |
| Without | 0 | 0 | 2 | 37 | 27 | 5 | 0 | 1 | 72 |
| With | 1 | 7 | 7 | 16 | 16 | 9 | 0 | 0 | 56 |
| Unknown | 0 | 0 | 1 | 3 | 1 | 1 | 0 | 4 | 10 |
| Radiotherapy | | | | | | | | | |
| Without | 1 | 7 | 6 | 11 | 18 | 8 | 0 | 1 | 52 |
| With | 0 | 0 | 3 | 43 | 25 | 6 | 0 | 1 | 78 |
| Unknown | 0 | 0 | 1 | 2 | 1 | 1 | 0 | 3 | 8 |
| Chemotherapy | | | | | | | | | |
| Without | 1 | 7 | 5 | 19 | 13 | 5 | 0 | 0 | 50 |
| With | 0 | 0 | 4 | 35 | 30 | 9 | 0 | 2 | 80 |
| Unknown | 0 | 0 | 1 | 2 | 1 | 1 | 0 | 3 | 8 |
| Total | 1 | 7 | 10 | 56 | 44 | 15 | 0 | 5 | 138 |

T-: without reported T classification.

Postcricoid

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 | 1 | 1 | 0 | 0 | 2 |
| F) (Rad.+Chem.) | 0 | 0 | 2 | 19 | 13 | 0 | 0 | 1 | 35 |
| A) Surg. alone | 1 | 7 | 4 | 9 | 7 | 3 | 0 | 0 | 31 |
| CF) Chem.->(Rad.+Chem.) | 0 | 0 | 0 | 9 | 5 | 2 | 0 | 0 | 16 |
| B) Rad. alone | 0 | 0 | 0 | 5 | 2 | 1 | 0 | 0 | 8 |
| AB) Surg.->Rad. | 0 | 0 | 1 | 4 | 2 | 0 | 0 | 0 | 7 |
| C) Chem. Alone | 0 | 0 | 0 | 1 | 4 | 1 | 0 | 0 | 6 |
| CA) Chem.->Surg. | 0 | 0 | 2 | 0 | 2 | 2 | 0 | 0 | 6 |
| CB) Chem.->Rad. | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 4 |
| CAB) Chem.->Surg.->Rad. | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 3 |
| Others | 0 | 0 | 0 | 3 | 3 | 3 | 0 | 0 | 9 |
| Unknown | 0 | 0 | 1 | 3 | 2 | 1 | 0 | 4 | 11 |
| Total | 1 | 7 | 10 | 56 | 44 | 15 | 0 | 5 | 138 |

T-: without reported T classification.

Rad.: radiotherapy.

Chem.: chemotherapy.

Surg.: surgery.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Hypopharynx ----- 1481 Cases

Pyriform Sinus

Treatment Method for the Primary Lesion by T Classification

| Treatment method | T0 | Tis | T1 | T2 | T3 | T4 | TX | T- | Total |
|---------------------|----------|-----------|------------|------------|------------|------------|----------|-----------|-------------|
| Surgery | | | | | | | | | |
| Without | 2 | 2 | 65 | 224 | 103 | 122 | 1 | 21 | 540 |
| With | 0 | 47 | 89 | 93 | 72 | 141 | 0 | 15 | 457 |
| Unknown | 0 | 0 | 4 | 16 | 7 | 7 | 0 | 32 | 66 |
| Radiotherapy | | | | | | | | | |
| Without | 1 | 49 | 85 | 87 | 46 | 105 | 0 | 14 | 387 |
| With | 1 | 0 | 70 | 233 | 130 | 161 | 1 | 22 | 618 |
| Unknown | 0 | 0 | 3 | 13 | 6 | 4 | 0 | 32 | 58 |
| Chemotherapy | | | | | | | | | |
| Without | 0 | 48 | 105 | 104 | 46 | 99 | 0 | 17 | 419 |
| With | 2 | 1 | 50 | 215 | 131 | 166 | 1 | 19 | 585 |
| Unknown | 0 | 0 | 3 | 14 | 5 | 5 | 0 | 32 | 59 |
| Total | 2 | 49 | 158 | 333 | 182 | 270 | 1 | 68 | 1063 |

T-: without reported T classification.

Pyriform Sinus

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 | 1 | 4 | 7 | 6 | 16 | 0 | 3 | 37 |
| A) Surg. alone | 0 | 45 | 76 | 56 | 25 | 52 | 0 | 9 | 263 |
| F) (Rad.+Chem) | 0 | 0 | 24 | 130 | 45 | 43 | 1 | 11 | 254 |
| CF) Chem.->(Rad.+Chem.) | 1 | 0 | 7 | 34 | 28 | 29 | 0 | 3 | 102 |
| B) Rad. alone | 0 | 0 | 20 | 32 | 6 | 11 | 0 | 1 | 70 |
| AF) Surg.->(Rad.+Chem.) | 0 | 1 | 5 | 12 | 7 | 25 | 0 | 3 | 53 |
| CA) Chem.->Surg. | 0 | 0 | 1 | 4 | 8 | 17 | 0 | 0 | 30 |
| AB) Surg.->Rad. | 0 | 0 | 3 | 3 | 7 | 16 | 0 | 0 | 29 |
| C) Chem. alone | 1 | 0 | 3 | 5 | 5 | 10 | 0 | 1 | 25 |
| CAF) Chem.->Surg.->(Rad.+Chem.) | 0 | 0 | 0 | 3 | 9 | 12 | 0 | 1 | 25 |
| CAB) Chem.->Surg.->Rad. | 0 | 0 | 1 | 3 | 7 | 4 | 0 | 0 | 15 |
| FC) (Rad.+Chem.)->Chem. | 0 | 0 | 2 | 4 | 5 | 1 | 0 | 1 | 13 |
| CB) Chem.->Rad. | 0 | 0 | 1 | 3 | 2 | 4 | 0 | 1 | 11 |
| CFC) Chem.->(Rad.+Chem.)->Chem. | 0 | 0 | 1 | 4 | 2 | 4 | 0 | 0 | 11 |
| FA) (Rad.+Chem.)->Surg. | 0 | 0 | 0 | 3 | 5 | 2 | 0 | 0 | 10 |
| AC) Surg.->Chem. | 0 | 0 | 0 | 2 | 1 | 3 | 0 | 0 | 6 |
| G) (Surg.+Rad.+Chem.) | 0 | 0 | 1 | 0 | 1 | 3 | 0 | 0 | 5 |
| Others | 0 | 2 | 5 | 11 | 6 | 11 | 0 | 2 | 37 |
| Unknown | 0 | 0 | 4 | 17 | 7 | 7 | 0 | 32 | 67 |
| Total | 2 | 49 | 158 | 333 | 182 | 270 | 1 | 68 | 1063 |

T-: without reported T classification.

Surg.: surgery.

Rad.: radiotherapy.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Hypopharynx ----- 1481 Cases

Posterior Wall

Treatment Method for the Primary Lesion by T Classification

| Treatment method | T0 | Tis | T1 | T2 | T3 | T4 | TX | T- | Total |
|---------------------|----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|------------|
| Surgery | | | | | | | | | |
| Without | 0 | 1 | 9 | 34 | 25 | 29 | 0 | 2 | 100 |
| With | 0 | 10 | 18 | 20 | 23 | 16 | 3 | 3 | 93 |
| Unknown | 0 | 0 | 1 | 2 | 3 | 2 | 0 | 5 | 13 |
| Radiotherapy | | | | | | | | | |
| Without | 0 | 10 | 18 | 18 | 21 | 11 | 3 | 3 | 84 |
| With | 0 | 1 | 9 | 37 | 28 | 34 | 0 | 2 | 111 |
| Unknown | 0 | 0 | 1 | 1 | 2 | 2 | 0 | 5 | 11 |
| Chemotherapy | | | | | | | | | |
| Without | 0 | 11 | 20 | 19 | 16 | 12 | 3 | 3 | 84 |
| With | 0 | 0 | 7 | 36 | 33 | 33 | 0 | 2 | 111 |
| Unknown | 0 | 0 | 1 | 1 | 2 | 2 | 0 | 5 | 11 |
| Total | 0 | 11 | 28 | 56 | 51 | 47 | 3 | 10 | 206 |

T-: without reported T classification.

Posterior Wall

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 | 1 | 1 | 2 | 0 | 0 | 5 |
| A) Surg. alone | 0 | 10 | 17 | 13 | 10 | 4 | 3 | 3 | 60 |
| F) (Rad.+Chem.) | 0 | 0 | 3 | 20 | 9 | 11 | 0 | 2 | 45 |
| CF) Chem.->(Rad.+Chem.) | 0 | 0 | 2 | 4 | 8 | 5 | 0 | 0 | 19 |
| B) Rad. alone | 0 | 1 | 2 | 4 | 3 | 1 | 0 | 0 | 11 |
| CA) Chem.->Surg. | 0 | 0 | 0 | 0 | 6 | 1 | 0 | 0 | 7 |
| AB) Surg.->Rad. | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 0 | 6 |
| C) Chem. Alone | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 6 |
| CAF) Chem.->Surg.->(Rad.+Chem.) | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 0 | 5 |
| AF) Surg.->(Rad.+Chem.) | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 4 |
| FC) (Rad. +Chem.)->Chem. | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 4 |
| Others | 0 | 0 | 1 | 7 | 3 | 9 | 0 | 0 | 20 |
| Unknown | 0 | 0 | 1 | 2 | 3 | 3 | 0 | 5 | 14 |
| Total | 0 | 11 | 28 | 56 | 51 | 47 | 3 | 10 | 206 |

T-: without reported T classification.

Surg.: surgery.

Rad.: radiotherapy.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Hypopharynx ----- 1481 Cases

Hypopharynx, NOS

Treatment Method for the Primary Lesion by T Classification

| Treatment method | T0 | Tis | T1 | T2 | T3 | T4 | TX | T- | Total |
|---------------------|----------|----------|----------|-----------|-----------|-----------|----------|----------|-----------|
| Surgery | | | | | | | | | |
| Without | 0 | 0 | 4 | 8 | 7 | 21 | 1 | 5 | 46 |
| With | 0 | 2 | 3 | 4 | 3 | 9 | 0 | 0 | 21 |
| Unknown | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 4 | 7 |
| Radiotherapy | | | | | | | | | |
| Without | 0 | 2 | 4 | 4 | 4 | 17 | 0 | 1 | 32 |
| With | 0 | 0 | 3 | 9 | 6 | 13 | 1 | 4 | 36 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 6 |
| Chemotherapy | | | | | | | | | |
| Without | 0 | 2 | 5 | 5 | 4 | 17 | 0 | 1 | 34 |
| With | 0 | 0 | 2 | 8 | 6 | 13 | 1 | 4 | 34 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 6 |
| Total | 0 | 2 | 7 | 13 | 10 | 32 | 1 | 9 | 74 |

NOS: not otherwise specified.

T-: without reported T classification.

Hypopharynx, 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 | 0 | 1 | 1 | 8 | 0 | 1 | 11 |
| A) Surg. alone | 0 | 2 | 3 | 2 | 1 | 5 | 0 | 0 | 13 |
| B) Rad. alone | 0 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 5 |
| F) (Rad.+Chem.) | 0 | 0 | 1 | 4 | 1 | 3 | 0 | 4 | 13 |
| CF) Chem.->(Rad.+Chem.) | 0 | 0 | 1 | 0 | 1 | 5 | 1 | 0 | 8 |
| C) Chem. alone | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 5 |
| AF) Surg.->(Rad.+Chem.) | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 3 |
| Others | 0 | 0 | 0 | 3 | 2 | 4 | 0 | 0 | 9 |
| Unknown | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 4 | 7 |
| Total | 0 | 2 | 7 | 13 | 10 | 32 | 1 | 9 | 74 |

NOS: not otherwise defined.

T-: without reported T classification.

Surg.: surgery.

Rad.: radiotherapy.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Hypopharynx ——— 1481 Cases

Surgical Method for the Primary Lesion by Subsite

| Surgical method | Postcricoid (C13.0) | Pyriform sinus (C12.9) | Posterior wall (C13.2) | Hypophar- ynx, NOS (C13.9) | Total |
|--|------------------------|------------------------------|------------------------------|----------------------------------|-------|
| X0) No surgery | 72 | 540 | 99 | 46 | 757 |
| F5) Total pharyngolaryngectomy | 19 | 149 | 23 | 5 | 196 |
| F1)G1) Endoscopic resection | 8 | 106 | 19 | 4 | 137 |
| F6) Total pharyngolaryngo- esophagectomy | 11 | 72 | 16 | 5 | 104 |
| F2)G2) Transoral resection | 13 | 62 | 21 | 5 | 101 |
| F3) Partial hypopharyngectomy | 0 | 34 | 7 | 0 | 41 |
| F4) Total laryngectomy +Partial pharyngectomy | 2 | 12 | 1 | 1 | 16 |
| F7) Hypopharyngectomy +Cervical esophagectomy | 1 | 6 | 2 | 0 | 9 |
| G5) Total laryngectomy | 0 | 3 | 1 | 0 | 4 |
| F9)+ Others | 2 | 11 | 4 | 1 | 18 |
| Unknown | 10 | 68 | 13 | 7 | 98 |
| Total | 138 | 1063 | 206 | 74 | 1481 |

NOS: not otherwise specified

Surgical Method for the Primary Lesion by T Classification

| Surgical method | T0 | Tis | T1 | T2 | T3 | T4 | TX | T- | Total |
|--|----|-----|-----|-----|-----|-----|----|----|-------|
| X0) No surgery | 2 | 3 | 80 | 303 | 162 | 176 | 2 | 28 | 757 |
| F5) Total pharyngolaryngectomy | 0 | 0 | 1 | 31 | 54 | 106 | 0 | 4 | 196 |
| F1)G1) Endoscopic resection | 0 | 47 | 69 | 13 | 1 | 0 | 0 | 7 | 137 |
| F6) Total pharyngolaryngo- esophagectomy | 0 | 0 | 1 | 15 | 37 | 50 | 0 | 1 | 104 |
| F2)G2) Transoral resection | 1 | 16 | 36 | 35 | 9 | 1 | 2 | 1 | 101 |
| F3) Partial hypopharyngectomy | 0 | 0 | 8 | 25 | 3 | 3 | 0 | 2 | 41 |
| F4) Total laryngectomy +Partial pharyngectomy | 0 | 0 | 1 | 4 | 6 | 5 | 0 | 0 | 16 |
| F7) Hypopharyngectomy +Cervical esophagectomy | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 2 | 9 |
| G5) Total laryngectomy | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 4 |
| F9)+ Others | 0 | 3 | 0 | 9 | 1 | 4 | 0 | 1 | 18 |
| Unknown | 0 | 0 | 7 | 23 | 11 | 12 | 0 | 46 | 98 |
| Total | 3 | 69 | 203 | 458 | 287 | 364 | 5 | 92 | 1481 |

T-: without reported T classification.

Carcinoma of the Hypopharynx ——— 1481 Cases

Postcricoid

Surgical Method for the Primary Lesion by T Classification

| Surgical method | | T0 | Tis | T1 | T2 | T3 | T4 | TX | T- | Total |
|-----------------|--|----|-----|----|----|----|----|----|----|-------|
| X0) | No surgery | 0 | 0 | 2 | 37 | 27 | 5 | 0 | 1 | 72 |
| F5) | Total pharyngolaryngectomy | 0 | 0 | 0 | 5 | 9 | 5 | 0 | 0 | 19 |
| F2) | Transoral resection | 1 | 3 | 4 | 5 | 0 | 0 | 0 | 0 | 13 |
| F6) | Total pharyngolaryngo- esophagectomy | 0 | 0 | 0 | 3 | 5 | 3 | 0 | 0 | 11 |
| F1) | Endoscopic resection | 0 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 8 |
| F4) | Total laryngectomy +Partial pharyngectomy | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| F9) | Others | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 3 |
| | Unknown | 0 | 0 | 1 | 3 | 1 | 1 | 0 | 4 | 10 |
| Total | | 1 | 7 | 10 | 56 | 44 | 15 | 0 | 5 | 138 |

T-: without reported T classification.

Pyriform sinus

Surgical Method for the Primary Lesion by T Classification

| Surgical method | | T0 | Tis | T1 | T2 | T3 | T4 | TX | T- | Total |
|-----------------|--|----|-----|-----|-----|-----|-----|----|----|-------|
| X0) | No surgery | 2 | 2 | 65 | 224 | 103 | 122 | 1 | 0 | 540 |
| F5) | Total pharyngolaryngectomy | 0 | 0 | 1 | 22 | 35 | 87 | 0 | 4 | 149 |
| F1)G1) | Endoscopic resection | 0 | 37 | 54 | 9 | 1 | 0 | 0 | 5 | 106 |
| F6) | Total pharyngolaryngo- esophagectomy | 0 | 0 | 0 | 9 | 24 | 38 | 0 | 1 | 72 |
| F2)G2) | Transoral resection | 0 | 9 | 24 | 22 | 5 | 1 | 0 | 1 | 62 |
| F3) | Partial pharyngectomy | 0 | 0 | 8 | 21 | 1 | 3 | 0 | 1 | 34 |
| F4) | Total laryngectomy | 0 | 0 | 1 | 2 | 4 | 5 | 0 | 0 | 12 |
| G5) | Total laryngectomy | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 3 |
| F7) | Hypopharyngectomy +Cervical esophagectomy | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 2 | 6 |
| F9)+ | Others | 0 | 1 | 0 | 7 | 0 | 2 | 0 | 1 | 11 |
| | Unknown | 0 | 0 | 5 | 17 | 7 | 7 | 0 | 0 | 68 |
| Total | | 2 | 49 | 158 | 333 | 182 | 270 | 1 | 15 | 1063 |

T-: without reported T classification.

Carcinoma of the Hypopharynx ----- 1481 Cases

Posterior wall

Surgical Method for the Primary Lesion by T Classification

| Surgical method | | T0 | Tis | T1 | T2 | T3 | T4 | TX | T- | Total |
|-----------------|---|----|-----|----|----|----|----|----|----|-------|
| X0) | No surgery | 0 | 1 | 9 | 34 | 25 | 28 | 0 | 2 | 99 |
| F5) | Total pharyngolaryngectomy | 0 | 0 | 0 | 4 | 9 | 10 | 0 | 0 | 23 |
| F1) | Endoscopic resection | 0 | 5 | 10 | 2 | 0 | 0 | 0 | 2 | 19 |
| F2) | Transoral resection | 0 | 3 | 7 | 6 | 3 | 0 | 2 | 0 | 21 |
| F3) | Partial pharyngectomy | 0 | 0 | 0 | 4 | 2 | 0 | 0 | 1 | 7 |
| F6) | Total pharyngolaryngo- esophagectomy | 0 | 0 | 1 | 3 | 7 | 5 | 0 | 0 | 16 |
| F9)+ | Others | 0 | 2 | 0 | 1 | 2 | 2 | 1 | 0 | 8 |
| | Unknown | 0 | 0 | 1 | 2 | 3 | 2 | 0 | 5 | 13 |
| Total | | 0 | 11 | 28 | 56 | 51 | 47 | 3 | 10 | 206 |

T-: without reported T classification.

Hypopharynx, NOS

Surgical Method for the Primary Lesion by T Classification

| Surgical method | | T0 | Tis | T1 | T2 | T3 | T4 | TX | T- | Total |
|-----------------|---|----|-----|----|----|----|----|----|----|-------|
| X0) | No surgery | 0 | 0 | 4 | 8 | 7 | 21 | 1 | 5 | 46 |
| F5) | Total pharyngolaryngectomy | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 5 |
| F1)G1) | Endoscopic resection | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 4 |
| F6) | Total pharyngolaryngo- esophagectomy | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 5 |
| F2)G2) | Transoral resection | 0 | 1 | 1 | 2 | 1 | 0 | 0 | 0 | 5 |
| | Others | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 |
| | Unknown | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 4 | 7 |
| Total | | 0 | 2 | 7 | 13 | 10 | 32 | 1 | 9 | 74 |

NOS: not otherwise specified.

T-: without reported T classification.

Carcinoma of the Hypopharynx ----- 1481 Cases

Neck Dissection on the Ipsilateral 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. | 74 | 626 | 123 | 43 | 866 |
| 1) Total N.D. | 16 | 105 | 18 | 5 | 144 |
| 2) Selective N.D. | 35 | 248 | 42 | 11 | 336 |
| 3) Lymph node excision | 0 | 1 | 0 | 0 | 1 |
| 8) Others | 1 | 0 | 0 | 0 | 1 |
| Unknown type | 0 | 0 | 0 | 1 | 1 |
| 9) Unknown | 12 | 83 | 23 | 14 | 132 |
| Total | 138 | 1063 | 206 | 74 | 1481 |

NOS: not otherwise specified.

N.D.: neck dissection.

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. | 90 | 766 | 141 | 48 | 1045 |
| 1) Total N.D. | 9 | 27 | 8 | 1 | 45 |
| 2) Selective N.D. | 27 | 186 | 34 | 10 | 257 |
| 3) Lymph node excision | 0 | 1 | 0 | 0 | 1 |
| Unknown type | 0 | 0 | 0 | 1 | 1 |
| 9) Unknown | 12 | 83 | 23 | 14 | 132 |
| Total | 138 | 1063 | 206 | 74 | 1481 |

NOS: not otherwise specified.

N.D.: neck dissection.

Carcinoma of the Hypopharynx ----- 1481 Cases

Reconstructive Surgery by Subsite

| Reconstructive surgery | Posterioroid (C13.0) | Pyramiform sinus (C12.9) | Posterior wall (C13.2) | Hypopharynx, NOS (C13.9) | Total |
|------------------------|-------------------------|-----------------------------|---------------------------|--------------------------------|-------|
| 0) No reconstruction | 95 | 722 | 141 | 55 | 1013 |
| B) Free jejunal flap | 30 | 212 | 38 | 8 | 288 |
| C) Free FA flap | 0 | 16 | 4 | 0 | 20 |
| 5) PM MC flap | 2 | 13 | 1 | 0 | 16 |
| 7) Gastric pull-up | 0 | 6 | 2 | 2 | 10 |
| E) Free ALT flap | 0 | 4 | 0 | 0 | 4 |
| 4) DP flap | 0 | 2 | 0 | 1 | 3 |
| 2) Local skin lap | 0 | 2 | 0 | 0 | 2 |
| 8) Others | 0 | 5 | 0 | 0 | 5 |
| Unknown | 11 | 81 | 20 | 8 | 120 |
| Total | 138 | 1063 | 206 | 74 | 1481 |

NOS: not otherwise specified.
 MC: musculocutaneous.

FA: forearm.
 ALT: anterolateral thigh.

PM: pectoralis major.
 DP: deltopectoral.

Carcinoma of the Hypopharynx ----- 1481 Cases

Radiotherapy by Subsite

| Type of radiotherapy | Posterioricoid (C13.0) | Pyriiform sinus (C12.9) | Posterior wall (C13.2) | Hypopharynx, NOS (C13.9) | Total |
|---------------------------------|---------------------------|-------------------------------|------------------------------|--------------------------------|-------------|
| 0) No radiotherapy | 49 | 372 | 78 | 29 | 528 |
| 1) X-ray (and/or electron beam) | 80 | 614 | 113 | 30 | 837 |
| 4) X-ray+Particle beam | 0 | 3 | 0 | 0 | 3 |
| Unknown type | 1 | 17 | 5 | 9 | 32 |
| 9) Unknown | 8 | 57 | 10 | 6 | 81 |
| Total | 138 | 1063 | 206 | 74 | 1481 |

NOS: not otherwise specified.

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 | 49 | 411 | 84 | 33 | 577 |
| 1) I.V. | 75 | 490 | 96 | 25 | 686 |
| 3) Oral | 2 | 38 | 6 | 2 | 48 |
| 5) I.V. + Oral | 3 | 37 | 3 | 2 | 45 |
| 2) I.A. | 0 | 5 | 1 | 0 | 6 |
| 6) I.A. + Oral | 0 | 4 | 0 | 0 | 4 |
| Unknown route | 1 | 19 | 5 | 6 | 31 |
| 9) Unknown | 8 | 59 | 11 | 6 | 84 |
| Total | 138 | 1063 | 206 | 74 | 1481 |

NOS: not otherwise specified.

I.V.: intravenous.

I.A.: intraarterial.

Oropharynx (2013)

1099 Cases

Carcinoma of the Oropharynx ----- 1099 Cases

Subsite

| Subsite | Number of patients (%) | |
|-----------------|------------------------|---------|
| Superior wall | 96 | (8.8) |
| Lateral wall | 664 | (60.4) |
| Posterior wall | 76 | (6.9) |
| Anterior wall | 220 | (20.0) |
| Oropharynx, NOS | 43 | (3.9) |
| Total | 1099 | (100) |

NOS: not otherwise specified.

Age Distribution by Gender

| Age | Male | Female | Total |
|---------|------|--------|-------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 0 | 1 | 1 |
| 20 - 29 | 0 | 0 | 0 |
| 30 - 39 | 6 | 3 | 9 |
| 40 - 49 | 64 | 13 | 77 |
| 50 - 59 | 156 | 51 | 207 |
| 60 - 69 | 356 | 52 | 408 |
| 70 - 79 | 256 | 32 | 288 |
| 80 - 89 | 79 | 23 | 102 |
| 90 - 99 | 5 | 2 | 7 |
| Total | 922 | 177 | 1099 |

T and N Status

| | N0 | N1 | N2 | N2a | N2b | N2c | N3 | NX | N- | Total |
|-------|--------------------|-------------------|----|-----|--------------------|-------------------|-------------------|----|----|-------|
| Tis | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 12 |
| T1 | 79 | 13 | 0 | 14 | 49 ⁽²⁾ | 4 ⁽¹⁾ | 6 ⁽¹⁾ | 0 | 1 | 166 |
| T2 | 138 ⁽¹⁾ | 47 ⁽¹⁾ | 2 | 25 | 136 ⁽⁷⁾ | 37 ⁽⁴⁾ | 8 | 0 | 4 | 397 |
| T3 | 46 | 24 | 2 | 3 | 64 ⁽¹⁾ | 24 ⁽¹⁾ | 7 | 1 | 0 | 171 |
| T4 | 4 | 0 | 0 | 1 | 2 | 3 | 2 ⁽¹⁾ | 0 | 0 | 12 |
| T4a | 31 ⁽²⁾ | 21 ⁽¹⁾ | 0 | 3 | 71 ⁽⁷⁾ | 47 ⁽⁴⁾ | 10 ⁽¹⁾ | 0 | 2 | 185 |
| T4b | 7 | 5 | 1 | 4 | 18 ⁽³⁾ | 13 ⁽¹⁾ | 7 ⁽¹⁾ | 0 | 0 | 55 |
| TX | 1 | 0 | 0 | 1 | 2 ⁽¹⁾ | 0 | 0 | 3 | 0 | 7 |
| T- | 7 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 86 | 94 |
| Total | 324 | 110 | 5 | 51 | 342 | 129 | 40 | 5 | 93 | 1099 |

M1: 41 cases. Numbers in parenthesis indicate numbers of M1 cases.

T-: not within defined T classification or without reported T classification.

N-: not within defined N classification or without reported N classification.

Carcinoma of the Oropharynx ----- 1099 Cases

Histological Distribution by Subsite

| Histologic type | Superior wall | Lateral wall | Posterior wall | Anterior wall | Oropharynx, NOS | Total |
|---|---------------|--------------|----------------|---------------|-----------------|-------------|
| Adenocarcinoma, NOS | 0 | 2 | 0 | 0 | 0 | 2 |
| Adenoid cystic carcinoma | 1 | 0 | 0 | 4 | 0 | 5 |
| Basal cell ca., NOS | 0 | 0 | 0 | 1 | 0 | 1 |
| Basaloid S.C.C. | 0 | 4 | 0 | 2 | 1 | 7 |
| Ca., NOS | 1 | 2 | 0 | 2 | 1 | 6 |
| Ca., undiff., NOS | 1 | 0 | 0 | 1 | 0 | 2 |
| Carcinosarcoma, NOS | 0 | 1 | 0 | 0 | 0 | 1 |
| Clear cell ca., NOS | 2 | 0 | 0 | 0 | 0 | 2 |
| Epithelial-myoepithelial ca. | 0 | 0 | 0 | 1 | 0 | 1 |
| Lymphoepithelial ca. | 0 | 2 | 0 | 1 | 0 | 3 |
| Malig. Lymphoma, NOS | 0 | 12 | 0 | 2 | 3 | 17 |
| Malig. Melanoma, NOS | 0 | 1 | 0 | 0 | 0 | 1 |
| Mucoepidermoid ca. | 1 | 1 | 0 | 1 | 0 | 3 |
| Myoepithelial ca. | 0 | 0 | 0 | 1 | 0 | 1 |
| Neoplasm, malig. | 1 | 0 | 1 | 1 | 3 | 6 |
| Neuroendocrine ca., NOS | 0 | 0 | 0 | 1 | 0 | 1 |
| Papillary S.C.C. | 0 | 2 | 1 | 1 | 0 | 4 |
| Sebaceous ca. | 0 | 1 | 0 | 0 | 0 | 1 |
| Small cell ca., NOS | 0 | 0 | 0 | 2 | 0 | 2 |
| Spindle cell ca., NOS | 0 | 0 | 0 | 2 | 0 | 2 |
| S.C.C. in situ with quest. stromal invasion | 0 | 0 | 1 | 0 | 0 | 1 |
| S.C.C. in situ, NOS | 2 | 5 | 5 | 1 | 0 | 13 |
| S.C.C. kerat., NOS | 5 | 24 | 4 | 12 | 1 | 46 |
| S.C.C. large cell, nonkerat. | 2 | 10 | 0 | 6 | 0 | 18 |
| S.C.C. microinvasive | 1 | 2 | 0 | 1 | 0 | 4 |
| S.C.C., NOS | 78 | 587 | 64 | 177 | 34 | 940 |
| S.C.C., small cell, nonkerat. | 0 | 6 | 0 | 0 | 0 | 6 |
| S.C.C. spindle cell | 0 | 1 | 0 | 0 | 0 | 1 |
| Transitional cell ca., NOS | 0 | 1 | 0 | 0 | 0 | 1 |
| Verrucous ca., NOS | 1 | 0 | 0 | 0 | 0 | 1 |
| Total | 96 | 664 | 76 | 220 | 43 | 1099 |

NOS: not otherwise specified.
Malig., malig.: malignant.

S.C.C.: squamous cell carcinoma.
quest.: questionable.

ca., Ca.: carcinoma.
undiff.: undifferentiated.

Carcinoma of the Oropharynx ----- 1099 Cases

Treatment Method for the Primary Lesion by Subsite

| Treatment method | Superior wall | Lateral wall | Posterior wall | Anterior wall | Oropharynx, NOS | Total |
|------------------|---------------|--------------|----------------|---------------|-----------------|-------|
| Surgery | | | | | | |
| Without | 48 | 442 | 42 | 143 | 34 | 709 |
| With | 44 | 167 | 29 | 63 | 3 | 306 |
| Unknown | 4 | 55 | 5 | 14 | 6 | 84 |
| Radiotherapy | | | | | | |
| Without | 57 | 247 | 40 | 79 | 21 | 444 |
| With | 35 | 364 | 31 | 129 | 16 | 575 |
| Unknown | 4 | 53 | 5 | 12 | 6 | 80 |
| Chemotherapy | | | | | | |
| Without | 63 | 274 | 45 | 81 | 26 | 489 |
| With | 29 | 338 | 26 | 126 | 12 | 531 |
| Unknown | 4 | 52 | 5 | 13 | 5 | 79 |
| Total | 96 | 664 | 76 | 220 | 43 | 1099 |

NOS: not otherwise specified.

Treatment Method for the Cervical Lymph Nodes by Subsite

| Treatment method | Superior wall | Lateral wall | Posterior wall | Anterior wall | Oropharynx, NOS | Total |
|------------------|---------------|--------------|----------------|---------------|-----------------|-------|
| Surgery | | | | | | |
| Without | 76 | 396 | 60 | 136 | 23 | 691 |
| With | 14 | 210 | 11 | 70 | 10 | 315 |
| Unknown | 6 | 58 | 5 | 14 | 10 | 93 |
| Radiotherapy | | | | | | |
| Without | 62 | 228 | 44 | 85 | 21 | 440 |
| With | 28 | 378 | 27 | 122 | 12 | 567 |
| Unknown | 6 | 58 | 5 | 13 | 10 | 92 |
| Chemotherapy | | | | | | |
| Without | 66 | 252 | 48 | 86 | 21 | 473 |
| With | 24 | 354 | 23 | 121 | 12 | 534 |
| Unknown | 6 | 58 | 5 | 13 | 10 | 92 |
| Total | 96 | 664 | 76 | 220 | 43 | 1099 |

NOS: not otherwise specified.

Carcinoma of the Oropharynx ----- 1099 Cases

Sequence of Treatment Methods for the Primary Lesion by Subsite

| Sequence of treatment methods | Superior wall | Lateral wall | Posterior wall | Anterior wall | Oropharynx, NOS | Total |
|---------------------------------|---------------|--------------|----------------|---------------|-----------------|-------|
| No treatment | 5 | 32 | 4 | 8 | 6 | 55 |
| F) (Rad.+Chem.) | 13 | 167 | 19 | 58 | 10 | 267 |
| A) Surg. alone | 42 | 112 | 24 | 37 | 6 | 221 |
| CF) Chem.->(Rad.+Chem.) | 9 | 69 | 1 | 24 | 3 | 106 |
| B) Rad. alone | 10 | 51 | 11 | 17 | 8 | 97 |
| AF) Surg.->(Rad.+Chem.) | 1 | 36 | 1 | 8 | 0 | 46 |
| C) Chem. alone | 3 | 22 | 2 | 11 | 1 | 39 |
| AB) Surg.->Rad. | 1 | 22 | 1 | 6 | 0 | 30 |
| CA) Chem.->Surg. | 2 | 14 | 3 | 3 | 1 | 23 |
| FC) (Rad.+Chem.)->Chem. | 0 | 18 | 0 | 1 | 0 | 19 |
| CB) Chem.->Rad. | 2 | 10 | 0 | 6 | 0 | 18 |
| FA) (Rad.+Chem.)->Surg. | 1 | 9 | 1 | 3 | 1 | 15 |
| CFC) Chem.->(Rad.+Chem.)->Chem. | 2 | 9 | 0 | 3 | 0 | 14 |
| AC) Surg.->Chem. | 0 | 5 | 2 | 3 | 0 | 10 |
| CAF) Chem.->Surg.->(Rad.+Chem.) | 0 | 5 | 1 | 4 | 0 | 10 |
| CAB) Chem.->Surg.->Rad. | 0 | 4 | 0 | 5 | 0 | 9 |
| ABC) Surg.->Rad.->Chem. | 0 | 4 | 0 | 1 | 0 | 5 |
| CCA) Chem.->Chem.->Surg. | 0 | 1 | 0 | 3 | 0 | 4 |
| Others | 1 | 19 | 1 | 5 | 1 | 27 |
| Unknown | 4 | 55 | 5 | 14 | 6 | 84 |
| Total | 96 | 664 | 76 | 220 | 43 | 1099 |

NOS: not otherwise specified.

Rad.: radiotherapy.

Treatment methods in parentheses were given concurrently.

Chem.: chemotherapy.

Surg.: surgery.

Surgical Method for the Primary Lesion by Subsite

| Surgical method | Superior wall | Lateral wall | Posterior wall | Anterior wall | Oropharynx, NOS | Total |
|--|---------------|--------------|----------------|---------------|-----------------|-------------|
| X0) No surgery | 44 | 382 | 37 | 128 | 28 | 619 |
| E3) Unilateral resection of the lateral wall of the oropharynx | 1 | 140 | 0 | 0 | 0 | 141 |
| E9) Resection of the oropharynx, other type | 5 | 37 | 2 | 11 | 2 | 57 |
| E1) Resection of the base of tongue | 0 | 1 | 1 | 36 | 0 | 38 |
| E4) Unilateral resection of the lateral wall of the oropharynx and soft palate | 5 | 22 | 0 | 0 | 2 | 29 |
| E8) Resection of the soft palate | 24 | 1 | 0 | 0 | 1 | 26 |
| E6) Resection of the posterior wall | 0 | 0 | 22 | 0 | 0 | 22 |
| E5) Unilateral resection of the lateral wall of the oropharynx, soft palate and the base of tongue | 0 | 11 | 0 | 5 | 1 | 17 |
| E7) Resection of the uvula | 10 | 0 | 0 | 0 | 0 | 10 |
| F2)G2) Transoral resection | 0 | 2 | 3 | 2 | 0 | 7 |
| E2) Resection of the base of tongue and epiglottis | 0 | 0 | 0 | 6 | 0 | 6 |
| F5) Total pharyngolaryngectomy | 0 | 1 | 3 | 1 | 1 | 6 |
| A5) Subtotal glossectomy | 0 | 0 | 0 | 3 | 1 | 4 |
| A6) Total glossectomy | 0 | 0 | 0 | 4 | 0 | 4 |
| Others | 3 | 12 | 3 | 7 | 1 | 26 |
| Unknown | 4 | 55 | 5 | 17 | 6 | 87 |
| Total | 96 | 664 | 76 | 220 | 43 | 1099 |

NOS: not otherwise specified.

Carcinoma of the Oropharynx ----- 1099 Cases

Neck Dissection on the Ipsilateral Side by Subsite

| Neck dissection | Superior wall | Lateral wall | Posterior wall | Anterior wall | Oropharynx, NOS | Total |
|------------------------|---------------|--------------|----------------|---------------|-----------------|-------|
| 0) No N.D. | 76 | 395 | 60 | 137 | 27 | 695 |
| 1) Total N.D. | 1 | 79 | 3 | 18 | 3 | 104 |
| 2) Selective N.D. | 10 | 126 | 8 | 49 | 6 | 199 |
| 3) Lymph node excision | 0 | 4 | 0 | 2 | 0 | 6 |
| 8) others | 2 | 0 | 0 | 0 | 0 | 2 |
| Unknown type | 1 | 3 | 0 | 1 | 1 | 6 |
| 9) Unknown | 6 | 57 | 5 | 13 | 6 | 87 |
| Total | 96 | 664 | 76 | 220 | 43 | 1099 |

NOS: not otherwise specified.

N.D.: neck dissection.

Neck Dissection on the Contralateral Side by Subsite

| Neck dissection | Superior wall | Lateral wall | Posterior wall | Anterior wall | Oropharynx, NOS | Total |
|------------------------|---------------|--------------|----------------|---------------|-----------------|-------|
| 0) No N.D. | 87 | 573 | 63 | 170 | 35 | 928 |
| 1) Total N.D. | 0 | 5 | 1 | 4 | 0 | 10 |
| 2) Selective N.D. | 1 | 24 | 7 | 31 | 1 | 64 |
| 3) Lymph node excision | 0 | 1 | 0 | 1 | 0 | 2 |
| 8) others | 1 | 1 | 0 | 0 | 0 | 2 |
| Unknown type | 0 | 0 | 0 | 1 | 0 | 1 |
| 9) Unknown | 7 | 60 | 5 | 13 | 7 | 92 |
| Total | 96 | 664 | 76 | 220 | 43 | 1099 |

NOS: not otherwise specified.

N.D.: neck dissection.

Reconstructive Surgery by Subsite

| Reconstructive surgery | Superior wall | Lateral wall | Posterior wall | Anterior wall | Oropharynx, NOS | Total |
|------------------------|---------------|--------------|----------------|---------------|-----------------|-------------|
| 0) No reconstruction | 80 | 537 | 65 | 170 | 31 | 883 |
| E) Free ALT flap | 2 | 35 | 0 | 8 | 3 | 48 |
| D) Free RA MC flap | 2 | 15 | 0 | 19 | 2 | 38 |
| C) Free FA flap | 2 | 11 | 0 | 2 | 0 | 15 |
| 5) PM MC flap | 0 | 6 | 1 | 6 | 0 | 13 |
| B) Free jejunal flap | 0 | 3 | 4 | 1 | 1 | 9 |
| 3) Mucosal flap | 3 | 0 | 0 | 0 | 0 | 3 |
| 2) Local skin flap | 0 | 1 | 1 | 0 | 0 | 2 |
| Others | 2 | 0 | 0 | 1 | 0 | 3 |
| Unknown | 5 | 56 | 5 | 13 | 6 | 85 |
| Total | 96 | 664 | 76 | 220 | 43 | 1099 |

NOS: not otherwise specified.
 MC: musculocutaneous.

ALT: anterolateral thigh.
 FA: forearm.

RA: rectus abdominis.
 PM: pectoralis major.

Carcinoma of the Oropharynx ----- 1099 Cases

Radiotherapy by Subsite

| Type of radiotherapy | Superior wall | Lateral wall | Posterior wall | Anterior wall | Oropharynx, NOS | Total |
|---------------------------------|---------------|--------------|----------------|---------------|-----------------|-------|
| 0) No radiotherapy | 53 | 189 | 35 | 66 | 16 | 359 |
| 1) X-ray (and/or electron beam) | 37 | 405 | 36 | 137 | 16 | 631 |
| 4) X-ray+Particle beam | 0 | 2 | 0 | 0 | 0 | 2 |
| 8) Others | 1 | 3 | 0 | 0 | 0 | 4 |
| Unknown type | 1 | 13 | 0 | 5 | 6 | 25 |
| Unknown | 4 | 52 | 5 | 12 | 5 | 78 |
| Total | 96 | 664 | 76 | 220 | 43 | 1099 |

NOS: not otherwise specified.

B.T.: brachytherapy.

Chemotherapy by Subsite

| Route of administration | Superior wall | Lateral wall | Posterior wall | Anterior wall | Oropharynx, NOS | Total |
|-------------------------|---------------|--------------|----------------|---------------|-----------------|-------|
| 0) No chemotherapy | 59 | 222 | 40 | 68 | 21 | 410 |
| 1) I.V. | 23 | 313 | 25 | 107 | 11 | 479 |
| 3) Oral | 5 | 28 | 4 | 16 | 2 | 55 |
| 6) I.A.+Oral | 4 | 25 | 2 | 4 | 2 | 37 |
| 2) I.A. | 0 | 9 | 0 | 9 | 0 | 18 |
| 4) I.V.+I.A. | 0 | 3 | 0 | 0 | 0 | 3 |
| others | 0 | 3 | 0 | 0 | 0 | 3 |
| Unknow route | 1 | 9 | 0 | 3 | 2 | 15 |
| Unknown | 4 | 52 | 5 | 13 | 5 | 79 |
| Total | 96 | 664 | 76 | 220 | 43 | 1099 |

NOS: not otherwise specified.

I.V.: intravenous.

I.A.: intraarterial.

Nasopharynx (2013)

236 Cases

Carcinoma of the Nasopharynx ----- 236 Cases

Subsite

| Subsite | Number of patients (%) | |
|-------------------------|------------------------|----------------|
| Posterior-superior wall | 97 | (41.1) |
| Lateral wall | 91 | (38.5) |
| Inferior wall | 3 | (1.3) |
| Nasopharynx, NOS | 45 | (19.1) |
| Total | 236 | (100.0) |

NOS: not otherwise specified.

Age Distribution by Gender

| Age | Male | Female | Total |
|--------------|------------|-----------|------------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 4 | 0 | 4 |
| 20 - 29 | 4 | 2 | 6 |
| 30 - 39 | 12 | 0 | 12 |
| 40 - 49 | 23 | 9 | 32 |
| 50 - 59 | 42 | 10 | 52 |
| 60 - 69 | 53 | 12 | 65 |
| 70 - 79 | 35 | 19 | 54 |
| 80 - 89 | 8 | 2 | 10 |
| 90 - 99 | 1 | 0 | 1 |
| Total | 182 | 54 | 236 |

Carcinoma of the Nasopharynx ——— 236 Cases

Histological Distribution by Subsite

| Histologic type | Postero- superior wall | Lateral wall | Inferior wall | Nasophar- ynx, NOS | Total |
|---------------------------------|------------------------------|-----------------|------------------|--------------------------|------------|
| Adenoca., NOS | 0 | 0 | 0 | 1 | 1 |
| Adenoid cystic ca. | 0 | 4 | 0 | 0 | 4 |
| Ca., NOS | 3 | 5 | 0 | 4 | 12 |
| Ca., undiff., NOS | 8 | 6 | 0 | 3 | 17 |
| Lymphoepithelial ca. | 6 | 11 | 0 | 4 | 21 |
| Malig. Lymphoma, NOS | 1 | 2 | 0 | 0 | 3 |
| Malig. melanoma | 0 | 0 | 1 | 0 | 1 |
| Mucoepidermoid ca. | 0 | 1 | 0 | 0 | 1 |
| Polymorphous low grade adenoca. | 0 | 1 | 0 | 0 | 1 |
| Small cell ca. | 1 | 0 | 0 | 0 | 1 |
| S.C.C. kerat., NOS | 2 | 1 | 0 | 0 | 3 |
| S.C.C. large cell, nonkerat. | 7 | 4 | 1 | 1 | 13 |
| S.C.C., NOS | 57 | 50 | 1 | 31 | 139 |
| S.C.C., small cell, nonkerat. | 12 | 6 | 0 | 1 | 19 |
| Total | 97 | 91 | 3 | 45 | 236 |

Adenoca., adenoca.: adenocarcinoma.

NOS: not otherwise specified.

ca., Ca.: carcinoma.

undiff.: undifferentiated.

Malig.: malignant.

S.C.C.: squamous cell carcinoma.

kerat. : keratinizing.

nonkerat.: nonkeratinizing.

T and N Status

| | N0 | N1 | N2 | N3 | N3a | N3b | NX | N- | Total |
|--------------|-----------|-----------|-----------|----------|----------|-----------|----------|-----------|------------|
| T0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| T1 | 15 | 11 * | 12 * | 1 | 0 | 6 * | 0 | 0 | 45 |
| T2 | 12 ** | 23 | 18 ** | 1 * | 1 | 7 * | 0 | 0 | 62 |
| T3 | 6 | 11 * | 15 | 0 | 0 | 3 * | 0 | 0 | 35 |
| T4 | 8 | 21 * | 23 * | 1 * | 0 | 4 *** | 0 | 1 | 58 |
| TX | 0 | 0 | 0 | 0 | 0 | 0 | 1 * | 0 | 1 |
| T- | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 32 | 35 |
| Total | 41 | 68 | 68 | 3 | 1 | 21 | 1 | 33 | 236 |

M1: 18 cases. Each * signifies one M1 case.

T-: not within defined T classification or without reported T classification.

N-: without reported N classification.

Carcinoma of the Nasopharynx ----- 236 Cases

Treatment Method for the Primary Lesion by Subsite

| Treatment method | Posterior-superior wall | Lateral wall | Inferior wall | Nasopharynx, NOS | Total |
|---------------------|-------------------------|--------------|---------------|------------------|------------|
| Surgery | | | | | |
| Without | 81 | 79 | 1 | 32 | 193 |
| With | 1 | 3 | 1 | 0 | 5 |
| Unknown | 15 | 9 | 1 | 13 | 38 |
| Radiotherapy | | | | | |
| Without | 6 | 6 | 1 | 5 | 18 |
| With | 76 | 76 | 1 | 27 | 180 |
| Unknown | 15 | 9 | 1 | 13 | 38 |
| Chemotherapy | | | | | |
| Without | 14 | 13 | 2 | 7 | 36 |
| With | 68 | 69 | 0 | 25 | 162 |
| Unknown | 15 | 9 | 1 | 13 | 38 |
| Total | 97 | 91 | 3 | 45 | 236 |

NOS: not otherwise specified.

Treatment Method for the Cervical Lymph Nodes by Subsite

| Treatment method | Posterior-superior wall | Lateral wall | Inferior wall | Nasopharynx, NOS | Total |
|---------------------|-------------------------|--------------|---------------|------------------|------------|
| Surgery | | | | | |
| Without | 78 | 74 | 2 | 29 | 183 |
| With | 0 | 3 | 0 | 0 | 3 |
| Unknown | 19 | 14 | 1 | 16 | 50 |
| Radiotherapy | | | | | |
| Without | 20 | 10 | 2 | 4 | 36 |
| With | 58 | 67 | 0 | 25 | 150 |
| Unknown | 19 | 14 | 1 | 16 | 50 |
| Chemotherapy | | | | | |
| Without | 24 | 16 | 2 | 7 | 49 |
| With | 54 | 61 | 0 | 22 | 137 |
| Unknown | 19 | 14 | 1 | 16 | 50 |
| Total | 97 | 91 | 3 | 45 | 236 |

NOS: not otherwise specified.

Sequence of Treatment Methods for the Primary Lesion by Subsite

| Sequence of treatment methods | Posterior-superior wall | Lateral wall | Inferior wall | Nasopharynx, NOS | Total |
|--------------------------------|-------------------------|--------------|---------------|------------------|------------|
| No treatment | 3 | 3 | 0 | 3 | 9 |
| F) (Rad.+Chem.) | 40 | 39 | 0 | 14 | 93 |
| FC) (Rad.+Chem.)->Chem. | 9 | 16 | 0 | 7 | 32 |
| B) Rad. alone | 10 | 8 | 1 | 3 | 22 |
| CF) Chem.->(Rad.+Chem.) | 10 | 7 | 0 | 2 | 19 |
| C) Chem. alone | 2 | 2 | 0 | 1 | 5 |
| CB) Chem.->Rad. | 3 | 0 | 0 | 0 | 3 |
| CFC) Chem.->(Rad.+Chem.)->Chem | 0 | 3 | 0 | 0 | 3 |
| Others | 5 | 4 | 1 | 2 | 12 |
| Unknown | 15 | 9 | 1 | 13 | 38 |
| Total | 97 | 91 | 3 | 45 | 236 |

NOS: not otherwise specified.

Rad.: radiotherapy.

Chem.: chemotherapy.

Surg.: surgery.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Nasopharynx ----- 236 Cases

Surgical Method for the Primary Lesion by Subsite

| Surgical method | Posterior-superior wall | Lateral wall | Inferior wall | Nasopharynx, NOS | Total |
|---------------------------|-------------------------|--------------|---------------|------------------|-------|
| X0) No surgery | 81 | 79 | 1 | 32 | 193 |
| D1) Partial maxillectomy | 0 | 0 | 1 | 0 | 1 |
| D4) Skull base dissection | 0 | 1 | 0 | 0 | 1 |
| X9) Others | 1 | 2 | 0 | 0 | 3 |
| Unknown | 15 | 9 | 1 | 13 | 38 |
| Total | 97 | 91 | 3 | 45 | 236 |

NOS: not otherwise specified.

Reconstructive Surgery by Subsite

| Reconstructive surgery | Posterior-superior wall | Lateral wall | Inferior wall | Nasopharynx, NOS | Total |
|------------------------|-------------------------|--------------|---------------|------------------|-------|
| 0) No reconstruction | 82 | 81 | 2 | 32 | 197 |
| D) Free RA MC flap | 0 | 1 | 0 | 0 | 1 |
| Unknown | 15 | 9 | 1 | 13 | 38 |
| Total | 97 | 91 | 3 | 45 | 236 |

NOS: not otherwise specified.

RA: rectus abdominis.

MC: musculocutaneous.

Carcinoma of the Nasopharynx ——— 236 Cases

Neck Dissection on the Ipsilateral Side by Subsite

| Neck dissection | Posterior-superior wall | Lateral wall | Inferior wall | Nasopharynx, NOS | Total |
|------------------------|-------------------------|--------------|---------------|------------------|-------|
| 0) No N.D. | 79 | 74 | 2 | 29 | 184 |
| 1) Total N.D. | 0 | 0 | 0 | 0 | 0 |
| 2) Selective N.D. | 0 | 2 | 0 | 0 | 2 |
| 3) Lymph node excision | 0 | 1 | 0 | 0 | 1 |
| 8) Others | 0 | 0 | 0 | 0 | 0 |
| 9) Unknown | 18 | 14 | 1 | 16 | 49 |
| Total | 97 | 91 | 3 | 45 | 236 |

NOS: not otherwise specified.

N.D.: neck dissection.

Neck Dissection on the Contralateral Side by Subsite

| Neck dissection | Posterior-superior wall | Lateral wall | Inferior wall | Nasopharynx, NOS | Total |
|------------------------|-------------------------|--------------|---------------|------------------|-------|
| 0) No N.D. | 79 | 76 | 2 | 29 | 186 |
| 1) Total N.D. | 0 | 0 | 0 | 0 | 0 |
| 2) Selective N.D. | 0 | 1 | 0 | 0 | 1 |
| 3) Lymph node excision | 0 | 0 | 0 | 0 | 0 |
| 8) Others | 0 | 0 | 0 | 0 | 0 |
| 9) Unknown | 18 | 14 | 1 | 16 | 49 |
| Total | 97 | 91 | 3 | 45 | 236 |

NOS: not otherwise specified.

N.D.: neck dissection.

Carcinoma of the Nasopharynx ----- 236 Cases

Radiotherapy by Subsite

| Type of radiotherapy | Posterior-superior wall | Lateral wall | Inferior wall | Nasopharynx, NOS | Total |
|---------------------------------|-------------------------|--------------|---------------|------------------|-------|
| 0) No radiotherapy | 5 | 5 | 1 | 5 | 16 |
| 1) X-ray (and/or electron beam) | 70 | 72 | 1 | 26 | 169 |
| 2) Particle beam | 1 | 0 | 0 | 0 | 1 |
| Unknown type | 3 | 3 | 0 | 1 | 7 |
| Others | 1 | 0 | 0 | 0 | 1 |
| 9) Unknown | 17 | 11 | 1 | 13 | 42 |
| Total | 97 | 91 | 3 | 45 | 236 |

NOS: not otherwise specified.

Chemotherapy by Subsite

| Route of administration | Posterior-superior wall | Lateral wall | Inferior wall | Nasopharynx, NOS | Total |
|-------------------------|-------------------------|--------------|---------------|------------------|-------|
| 0) No chemotherapy | 14 | 13 | 2 | 7 | 36 |
| 1) I.V. | 53 | 60 | 0 | 23 | 136 |
| 5) I.V.+Oral | 9 | 5 | 0 | 1 | 15 |
| 3) Oral | 2 | 0 | 0 | 0 | 2 |
| 2) I.A. | 1 | 0 | 0 | 0 | 1 |
| Unknown route | 3 | 4 | 0 | 1 | 8 |
| 9) Unknown | 15 | 9 | 1 | 13 | 38 |
| Total | 97 | 91 | 3 | 45 | 236 |

NOS: not otherwise specified.

I.V.: intravenous.

I.A.: intraarterial.

**Nasal Cavity & Paranasal Sinuses
(Excluding the Maxillary Sinus)
(2013)**

230 Cases

Carcinoma of the Nasal Cavity and Paranasal Sinuses ——— 230 Cases

Subsite

| Subsite | Number of patients (%) | |
|----------------------|------------------------|---------|
| Nasal cavity | 139 | (60.4) |
| Ethmoid sinus | 49 | (21.3) |
| Frontal sinus | 5 | (2.2) |
| Sphenoid sinus | 8 | (3.5) |
| Paranasal sinus, NOS | 29 | (12.6) |
| Total | 230 | (100.0) |

NOS: not otherwise specified.

Age Distribution by Gender

| Age | Male | Female | Total |
|-----------|------|--------|-------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 0 | 1 | 1 |
| 20 - 29 | 1 | 1 | 2 |
| 30 - 39 | 4 | 5 | 9 |
| 40 - 49 | 14 | 6 | 20 |
| 50 - 59 | 24 | 9 | 33 |
| 60 - 69 | 38 | 27 | 65 |
| 70 - 79 | 49 | 28 | 77 |
| 80 - 89 | 9 | 12 | 21 |
| 90 - 99 | 0 | 1 | 1 |
| 100 - 109 | 1 | 0 | 1 |
| Total | 140 | 90 | 230 |

Carcinoma of the Nasal Cavity and Paranasal Sinuses ----- 230 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 |
|------------------------------|----------------------|-----------------------|-----------------------|------------------------|------------------------------|-------|
| Adenocarcinoma | 5 | 2 | 0 | 0 | 0 | 7 |
| Adenoid cystic ca. | 7 | 2 | 0 | 3 | 2 | 14 |
| Ca. ex pleomorphic adenoma | 1 | 0 | 0 | 0 | 0 | 1 |
| Ca., NOS | 2 | 2 | 0 | 0 | 0 | 4 |
| Ca., undiff., NOS | 4 | 2 | 0 | 0 | 1 | 7 |
| Carcinosarcoma, NOS | 1 | 0 | 0 | 0 | 0 | 1 |
| Chondrosarcoma, NOS | 0 | 2 | 0 | 0 | 0 | 2 |
| Epithelial-myoepithelial ca. | 0 | 0 | 0 | 0 | 1 | 1 |
| Malig. Lymphoma, NOS | 10 | 1 | 0 | 0 | 2 | 13 |
| Malig. Melanoma, NOS | 34 | 2 | 0 | 0 | 4 | 40 |
| Mucoepidermoid ca. | 0 | 1 | 0 | 0 | 0 | 1 |
| Neoplasm, malig. | 1 | 0 | 0 | 0 | 2 | 3 |
| Olfactory neuroblastoma | 15 | 1 | 0 | 0 | 9 | 25 |
| Papillary S.C.C. | 1 | 0 | 0 | 0 | 0 | 1 |
| Plasmacytoma, NOS | 1 | 0 | 0 | 0 | 0 | 1 |
| Rhabdomyosarcoma | 2 | 0 | 0 | 0 | 0 | 2 |
| Salivary duct ca. | 1 | 0 | 0 | 0 | 0 | 1 |
| Small cell ca., NOS | 2 | 0 | 0 | 0 | 1 | 3 |
| S.C.C. in situ, NOS | 1 | 0 | 0 | 0 | 1 | 2 |
| S.C.C. kerat., NOS | 5 | 1 | 0 | 0 | 0 | 6 |
| S.C.C. large cell, nonkerat. | 1 | 1 | 0 | 0 | 0 | 2 |
| S.C.C., NOS | 42 | 32 | 5 | 5 | 6 | 90 |
| Verrucous ca., NOS | 3 | 0 | 0 | 0 | 0 | 3 |
| Total | 139 | 49 | 5 | 8 | 29 | 230 |

NOS: not otherwise specified.
 Malig. Malig.: malignant.
 nonkerat.: nonkeratinizing.

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

undiff.: undifferentiated.
 kerat.: keratinizing.

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 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| T1 | 23 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 24 |
| T2 | 19 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 24 |
| T3 | 27 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 |
| T4 | 8 ** | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| T4a | 27 * | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 30 |
| T4b | 41 * | 3 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 49 |
| TX | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 |
| T- | 16 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 40 | 58 |
| Total | 166 | 7 | 0 | 0 | 4 | 9 | 0 | 1 | 43 | 230 |

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

T-: not within defined T classification or without reported T classification.

N-: not within defined N classification or without reported N classification.

Nasal cavity and Paranasal Sinuses ----- 230 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 | | | | | | |
| Without | 65 | 33 | 3 | 5 | 15 | 121 |
| With | 60 | 11 | 2 | 3 | 8 | 84 |
| Unknown | 14 | 5 | 0 | 0 | 6 | 25 |
| Radiotherapy | | | | | | |
| Without | 69 | 12 | 0 | 3 | 18 | 102 |
| With | 56 | 32 | 5 | 5 | 5 | 103 |
| Unknown | 14 | 5 | 0 | 0 | 6 | 25 |
| Chemotherapy | | | | | | |
| Without | 93 | 23 | 0 | 3 | 19 | 138 |
| With | 32 | 21 | 5 | 5 | 4 | 67 |
| Unknown | 14 | 5 | 0 | 0 | 6 | 25 |
| Total | 139 | 49 | 5 | 8 | 29 | 230 |

NOS: not otherwise specified.

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 | | | | | | |
| Without | 112 | 38 | 5 | 8 | 21 | 184 |
| With | 7 | 4 | 0 | 0 | 2 | 13 |
| Unknown | 20 | 7 | 0 | 0 | 6 | 33 |
| Radiotherapy | | | | | | |
| Without | 106 | 37 | 5 | 6 | 20 | 174 |
| With | 13 | 5 | 0 | 2 | 3 | 23 |
| Unknown | 20 | 7 | 0 | 0 | 6 | 33 |
| Chemotherapy | | | | | | |
| Without | 106 | 36 | 5 | 6 | 22 | 175 |
| With | 13 | 6 | 0 | 2 | 1 | 22 |
| Unknown | 20 | 7 | 0 | 0 | 6 | 33 |
| Total | 139 | 49 | 5 | 8 | 29 | 230 |

NOS: not otherwise specified.

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 | 8 | 3 | 0 | 0 | 3 | 14 |
| F) (Rad.+Chem.) | 18 | 5 | 2 | 4 | 4 | 33 |
| A) Surg. alone | 32 | 3 | 0 | 2 | 7 | 44 |
| B) Rad. alone | 17 | 6 | 0 | 0 | 1 | 24 |
| AB) Surg.->Rad. | 16 | 5 | 0 | 1 | 2 | 24 |
| AF) Surg.->(Rad.+Chem.) | 3 | 3 | 1 | 0 | 1 | 8 |
| CF) Chem.->(Rad.+Chem.) | 1 | 5 | 0 | 0 | 1 | 7 |
| CB) Chem.->Rad. | 1 | 5 | 0 | 0 | 0 | 6 |
| AC) Surg.->Chem. | 4 | 0 | 0 | 0 | 1 | 5 |
| C) Chem. alone | 2 | 0 | 0 | 1 | 0 | 3 |
| FA) (Rad.+Chem.)->Surg. | 1 | 2 | 0 | 0 | 0 | 3 |
| FC) (Rad.+Chem.)->Chem. | 3 | 0 | 0 | 0 | 0 | 3 |
| CAB) Chem.->Surg.->Rad. | 0 | 2 | 0 | 0 | 1 | 3 |
| Others | 17 | 5 | 2 | 0 | 2 | 26 |
| Unknown | 16 | 5 | 0 | 0 | 6 | 27 |
| Total | 139 | 49 | 5 | 8 | 29 | 230 |

NOS: not otherwise specified.

Rad.: radiotherapy.

Surg.: surgery.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Nasal Cavity and Paranasal Sinuses ----- 230 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. | 111 | 38 | 5 | 8 | 20 | 182 |
| 1) Total N.D. | 1 | 0 | 0 | 0 | 0 | 1 |
| 2) Selective N.D. | 6 | 4 | 0 | 0 | 2 | 12 |
| 3) Lymph node excision | 1 | 0 | 0 | 0 | 0 | 1 |
| 9) Unknown type | 0 | 0 | 0 | 0 | 1 | 1 |
| Unknown | 20 | 7 | 0 | 0 | 6 | 33 |
| Total | 139 | 49 | 5 | 8 | 29 | 230 |

NOS: not otherwise specified.

N.D.: neck dissection.

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. | 117 | 42 | 5 | 8 | 21 | 193 |
| 1) Total N.D. | 1 | 0 | 0 | 0 | 0 | 1 |
| 2) Selective N.D. | 1 | 0 | 0 | 0 | 1 | 2 |
| 3) Lymph node excision | 0 | 0 | 0 | 0 | 0 | 0 |
| 9) Unknown | 20 | 7 | 0 | 0 | 7 | 34 |
| Total | 139 | 49 | 5 | 8 | 29 | 230 |

NOS: not otherwise specified.

N.D.: neck dissection.

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 |
|------------------------------|----------------------|-----------------------|-----------------------|------------------------|------------------------------|------------|
| X0) No surgery | 50 | 29 | 3 | 5 | 9 | 96 |
| D1) Partial maxillectomy | 13 | 1 | 0 | 1 | 2 | 17 |
| D4) Skull base surgery | 5 | 6 | 0 | 0 | 1 | 12 |
| D9) Maxillectomy, other type | 4 | 0 | 0 | 1 | 0 | 5 |
| D2) Total maxillectomy | 0 | 0 | 0 | 0 | 1 | 1 |
| X9) Others | 53 | 9 | 2 | 1 | 9 | 74 |
| Unknown | 14 | 4 | 0 | 0 | 7 | 25 |
| Total | 139 | 49 | 5 | 8 | 29 | 230 |

NOS: not otherwise specified.

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 | 114 | 38 | 4 | 8 | 17 | 181 |
| D) Free RA MC flap | 3 | 4 | 0 | 0 | 1 | 8 |
| 2) Local skin flap | 5 | 0 | 0 | 0 | 0 | 5 |
| 1) Skin graft | 2 | 0 | 0 | 0 | 0 | 2 |
| C) Free FA flap | 0 | 0 | 1 | 0 | 1 | 2 |
| 3) Local mucosal flap | 1 | 0 | 0 | 0 | 0 | 1 |
| E) Free ALT flap | 0 | 0 | 0 | 0 | 1 | 1 |
| 8) Others | 4 | 1 | 0 | 0 | 2 | 7 |
| Unknown | 10 | 6 | 0 | 0 | 7 | 23 |
| Total | 139 | 49 | 5 | 8 | 29 | 230 |

NOS: not otherwise specified.
FA: forearm.

RA: rectus abdominis.
ALT: anterolateral thigh.

MC: musculocutaneous.

Carcinoma of the Nasal Cavity and Paranasal Sinuses ----- 230 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 | 53 | 7 | 0 | 3 | 10 | 73 |
| 1) X-ray (and/or electron beam) | 64 | 26 | 5 | 4 | 9 | 108 |
| 2) Particle beam | 9 | 10 | 0 | 1 | 1 | 21 |
| 8) Others | 0 | 1 | 0 | 0 | 0 | 1 |
| Unknown source | 0 | 1 | 0 | 0 | 2 | 3 |
| 9) Unknown | 13 | 4 | 0 | 0 | 7 | 24 |
| Total | 139 | 49 | 5 | 8 | 29 | 230 |

NOS: not otherwise specified.

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 | 78 | 16 | 0 | 3 | 13 | 110 |
| 1) I.V. | 40 | 24 | 3 | 4 | 6 | 77 |
| 2) I.A. | 3 | 1 | 0 | 0 | 1 | 5 |
| 3) Oral | 2 | 0 | 2 | 1 | 0 | 5 |
| 4) I.V.+I.A. | 1 | 0 | 0 | 0 | 1 | 2 |
| 5) I.V.+Oral | 1 | 1 | 0 | 0 | 0 | 2 |
| 6) I.A.+Oral | 0 | 1 | 0 | 0 | 0 | 1 |
| Unknown route | 2 | 1 | 0 | 0 | 2 | 5 |
| 9) Unknown | 12 | 5 | 0 | 0 | 6 | 23 |
| Total | 139 | 49 | 5 | 8 | 29 | 230 |

NOS: not otherwise specified.

I.V.: intravenous.

I.A.: intraarterial.

Maxillary Sinus (2013)

290 Cases

Carcinoma of the Maxillary Sinus ——— 290 Cases

Age Distribution by Gender

| Age | Male | Female | Total |
|---------|------|--------|-------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 1 | 1 | 2 |
| 20 - 29 | 1 | 0 | 1 |
| 30 - 39 | 5 | 0 | 5 |
| 40 - 49 | 17 | 3 | 20 |
| 50 - 59 | 32 | 7 | 39 |
| 60 - 69 | 86 | 25 | 111 |
| 70 - 79 | 62 | 25 | 87 |
| 80 - 89 | 14 | 6 | 20 |
| 90 - 99 | 1 | 4 | 5 |
| Total | 219 | 71 | 290 |

Histological Distribution

| Histologic type | Number of patients (%) | |
|------------------------------|------------------------|---------|
| Adenocarcinoma, NOS | 6 | (2.1) |
| Adenoid cystic ca. | 9 | (3.1) |
| Adenosquamous ca. | 1 | (0.3) |
| Ca., NOS | 7 | (2.4) |
| Ca., undiff., NOS | 3 | (1.0) |
| Carcinosarcoma | 5 | (1.7) |
| Hemangiosarcoma | 1 | (0.3) |
| Malig, Lymphoma | 2 | (0.7) |
| Malig. Melanoma, NOS | 7 | (2.4) |
| Mucoepidermoid ca. | 2 | (0.7) |
| Neoplasm, malig. | 4 | (1.4) |
| Small cell ca., NOS | 2 | (0.7) |
| Spindle cell ca., NOS | 3 | (1.0) |
| S.C.C. kerat., NOS | 8 | (2.8) |
| S.C.C. large cell, nonkerat. | 1 | (0.3) |
| S.C.C., NOS | 224 | (77.2) |
| S.C.C. small cell, nonkerat. | 3 | (1.0) |
| S.C.C., spindle cell | 2 | (0.7) |
| Total | 290 | (100.0) |

NOS: not otherwise specified.

undiff.: undifferentiated.

S.C.C.: squamous cell carcinoma.

nonkerat.: nonkeratinizing.

ca., Ca.: carcinoma.

Malig., malig.: malignant.

kerat :keratinizing.

Carcinoma of the Maxillary Sinus ——— 290 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 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| T2 | 11 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 13 |
| T3 | 59 | 3 | 0 | 1 | 8 ** | 2 | 0 | 0 | 0 | 73 |
| T4 | 5 | 1 | 0 | 0 | 1 * | 0 | 0 | 0 | 0 | 7 |
| T4a | 91 *** | 11 * | 0 | 0 | 14 ** | 8 ** | 0 | 0 | 1 | 125 |
| T4b | 28 ** | 3 * | 0 | 0 | 7 *** | 2 * | 0 | 0 | 0 | 40 |
| TX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| T- | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 26 | 30 |
| Total | 199 | 18 | 0 | 1 | 33 | 12 | 0 | 0 | 27 | 290 |

M1: 18 cases. Each * signifies one M1 case.

T-: not within defined T classification or without reported T classification.

N-: without reported N classification.

Sequence of Treatment Methods for the Primary Lesion

| Sequence of treatment methods | Number of patients (%) |
|--|------------------------|
| No treatment | 11 (3.8) |
| F) (Rad.+Chem.) | 96 (33.1) |
| A) Surg. alone | 27 (9.3) |
| AB) Surg. -> Rad. | 19 (6.6) |
| FA) (Rad.+Chem.) -> Surg. | 17 (5.9) |
| AF) Surg. -> (Rad.+Chem.) | 15 (5.2) |
| B) Rad. alone | 12 (4.1) |
| C) Chem. | 10 (3.5) |
| CF) Chem.-> (Rad.+Chem.) | 9 (3.1) |
| CA) Chem.-> Surg. | 6 (2.1) |
| FC) (Rad.+Chem.)->Chem. | 5 (1.7) |
| BC) Rad.->Chem. | 4 (1.4) |
| CB) Chem.->RAD. | 4 (1.4) |
| CFA) Chem.-> (Rad.+Chem.)->Surg. | 3 (1.0) |
| CAF) Chem.-> Surg.->(Rad.+Chem.) | 3 (1.0) |
| CFC) Chem.-> (Rad.+Chem.)->Chem. | 3 (1.0) |
| FAF) (Rad.+Chem.) -> Surg.->(Rad.+Chem.) | 3 (1.0) |
| Others | 16 (5.5) |
| Unknown | 27 (9.3) |
| Total | 290 (100.0) |

Rad.: radiotherapy. Chem.: chemotherapy. Surg.: surgery.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Maxillary Sinus ----- 290 Cases

Treatment Method for the Primary Lesion

| Treatment method | Number of patients (%) | |
|------------------|------------------------|----------|
| Surgery | | |
| Without | 157 | (54.1) |
| With | 108 | (37.3) |
| Unknown | 25 | (8.6) |
| Radiotherapy | | |
| Without | 60 | (20.7) |
| With | 205 | (70.7) |
| Unknown | 25 | (8.6) |
| Chemotherapy | | |
| Without | 73 | (25.2) |
| With | 192 | (66.2) |
| Unknown | 25 | (8.6) |
| Total | 290 | (100.0) |

Treatment Method for the Cervical Lymph Nodes

| Treatment method | Number of patients (%) | |
|------------------|------------------------|----------|
| Surgery | | |
| Without | 215 | (74.1) |
| With | 47 | (16.2) |
| Unknown | 28 | (9.7) |
| Radiotherapy | | |
| Without | 201 | (69.3) |
| With | 61 | (21.0) |
| Unknown | 28 | (9.7) |
| Chemotherapy | | |
| Without | 195 | (67.2) |
| With | 67 | (23.1) |
| Unknown | 28 | (9.7) |
| Total | 290 | (100.0) |

Surgical Method for the Primary Lesion

| Surgical method | Number of patients (%) | |
|--|------------------------|---------|
| 0) No surgery | 156 | (53.8) |
| D2) Total maxillectomy | 48 | (16.6) |
| D1) Partial maxillectomy | 27 | (9.3) |
| D9) Maxillectomy, other type | 15 | (5.2) |
| D3) Extended total maxillectomy | 9 | (3.1) |
| D4) Extended total maxillectomy with skullbase surgery | 6 | (2.1) |
| X9) Others | 4 | (1.4) |
| Unknown | 25 | (8.6) |
| Total | 290 | (100.0) |

Carcinoma of the Maxillary Sinus ----- 290 Cases

Neck Dissection on the Ipsilateral Side

| Neck dissection | Number of patients (%) |
|------------------------|------------------------|
| 0) No N.D. | 213 (73.5) |
| 1) Total N.D. | 8 (2.8) |
| 2) Selective N.D. | 38 (13.1) |
| 3) Lymph node excision | 1 (0.3) |
| 9) Unknown | 30 (10.3) |
| Total | 290 (100.0) |

N.D.: neck dissection.

Neck Dissection on the Contralateral Side

| Neck dissection | Number of patients (%) |
|------------------------|------------------------|
| 0) No N.D. | 256 (88.3) |
| 1) Total N.D. | 0 (0.0) |
| 2) Selective N.D. | 3 (1.0) |
| 3) Lymph node excision | 0 (0.0) |
| 8) Others | 1 (0.3) |
| 9) Unknown | 30 (10.4) |
| Total | 290 (100.0) |

N.D.: neck dissection.

Reconstructive Surgery

| Reconstructive surgery | Number of patients (%) |
|------------------------|------------------------|
| 0) No reconstruction | 214 (73.8) |
| D) Free RA MC flap | 32 (11.0) |
| 6) LD MC flap | 5 (1.7) |
| E) Free ALT flap | 2 (0.7) |
| 2) Local flap | 1 (0.3) |
| C) Free FA flap | 1 (0.3) |
| G) Scapular OC flap | 1 (0.3) |
| 8) Others | 6 (2.1) |
| Unknown | 28 (9.7) |
| Total | 290 (100.0) |

NOS: not otherwise specified.

MC: musculocutaneous.

ALT: anterolateral thigh.

OC: osteocutaneous.

RA: rectus abdominis.

LD: Lattismus dorsi.

FA: forearm.

Carcinoma of the Maxillary Sinus ——— 290 Cases

Radiotherapy

| Type of radiotherapy | Number of patients (%) | |
|---------------------------------|------------------------|---------|
| 0) No radiotherapy | 58 | (20.0) |
| 1) X-ray (and/or electron beam) | 198 | (68.3) |
| 3) Particle beam | 12 | (4.1) |
| Unknown type | 3 | (1.0) |
| 9) Unknown | 19 | (6.6) |
| Total | 290 | (100.0) |

Chemotherapy

| Route of administration | Number of patients (%) | |
|-------------------------|------------------------|---------|
| 0) No chemotherapy | 73 | (25.2) |
| 1) I.V. | 91 | (31.4) |
| 2) I.A. | 79 | (27.2) |
| 4) I.V.+ I.A. | 13 | (4.5) |
| 3) Oral | 4 | (1.4) |
| 5) I.V.+ Oral | 3 | (1.0) |
| 6) I.A. + Oral | 3 | (1.0) |
| 7) I.V.+ I.A.+ Oral | 3 | (1.0) |
| Unknown route | 3 | (1.0) |
| 9) Unknown | 18 | (6.2) |
| Total | 290 | (100.0) |

I.A.: intraarterial.

I.V.: intravenous.

Major Salivary Glands (2013)

400 Cases

Carcinoma of the Major Salivary Glands ——— 400 Cases

Primary site

| Site | Number of patients (%) | |
|---------------------------|------------------------|----------|
| Parotid gland | 289 | (72.25) |
| Submandibular gland | 98 | (24.5) |
| Sublingual gland | 11 | (2.75) |
| Major salivary gland, NOS | 2 | (0.5) |
| Total | 400 | (100.0) |

NOS: not otherwise specified.

Carcinoma of the Major Salivary Glands ----- 400 Cases

Age Distribution by Gender

| Age | Male | Female | Total |
|---------|------|--------|-------|
| 0 - 9 | 0 | 1 | 1 |
| 10 - 19 | 3 | 3 | 6 |
| 20 - 29 | 7 | 3 | 10 |
| 30 - 39 | 12 | 8 | 20 |
| 40 - 49 | 36 | 18 | 54 |
| 50 - 59 | 40 | 22 | 62 |
| 60 - 69 | 89 | 24 | 113 |
| 70 - 79 | 62 | 28 | 90 |
| 80 - 89 | 30 | 12 | 42 |
| 90 - 99 | 1 | 1 | 2 |
| Total | 280 | 120 | 400 |

Parotid Gland

Age Distribution by Gender

| Age | Male | Female | Total |
|---------|------|--------|-------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 3 | 3 | 6 |
| 20 - 29 | 5 | 2 | 7 |
| 30 - 39 | 10 | 6 | 16 |
| 40 - 49 | 27 | 12 | 39 |
| 50 - 59 | 32 | 15 | 47 |
| 60 - 69 | 64 | 17 | 81 |
| 70 - 79 | 41 | 19 | 60 |
| 80 - 89 | 21 | 10 | 31 |
| 90 - 99 | 1 | 1 | 2 |
| Total | 204 | 85 | 289 |

Carcinoma of the Major Salivary Glands ——— 400 Cases

Submandibular Gland

Age Distribution by Gender

| Age | Male | Female | Total |
|---------|------|--------|-------|
| 0 - 9 | 0 | 1 | 1 |
| 10 - 19 | 0 | 0 | 0 |
| 20 - 29 | 2 | 1 | 3 |
| 30 - 39 | 2 | 2 | 4 |
| 40 - 49 | 8 | 5 | 13 |
| 50 - 59 | 8 | 4 | 12 |
| 60 - 69 | 23 | 7 | 30 |
| 70 - 79 | 17 | 8 | 25 |
| 80 - 89 | 8 | 2 | 10 |
| 90 - 99 | 0 | 0 | 0 |
| Total | 68 | 30 | 98 |

Sublingual Gland

Age Distribution by Gender

| Age | Male | Female | Total |
|---------|------|--------|-------|
| 0 - 9 | 0 | 0 | 0 |
| 10 - 19 | 0 | 0 | 0 |
| 20 - 29 | 0 | 0 | 0 |
| 30 - 39 | 0 | 0 | 0 |
| 40 - 49 | 1 | 1 | 2 |
| 50 - 59 | 0 | 3 | 3 |
| 60 - 69 | 2 | 0 | 2 |
| 70 - 79 | 2 | 1 | 3 |
| 80 - 89 | 0 | 0 | 0 |
| 90 - 99 | 0 | 0 | 0 |
| Total | 5 | 5 | 10 |

Carcinoma of the Major Salivary Glands ----- 400 Cases

Histological Distribution by Primary Site

| Histologic type | Parotid gland (C07.9) | Sub- mandibular gland (C08.0) | Sub- lingual gland (C08.1) | Major salivary gland, NOS (C08.9) | Total |
|--|--------------------------|--|-------------------------------------|--|------------|
| Acinic cell ca. | 19 | 2 | 0 | 0 | 21 |
| Adenocarcinoma | 35 | 16 | 0 | 0 | 51 |
| Adenoid cystic ca. | 30 | 26 | 8 | 0 | 64 |
| Adenosquamous ca. | 1 | 1 | 0 | 0 | 2 |
| Basal cell adenocarcinoma | 5 | 1 | 0 | 0 | 6 |
| Basal cell ca. | 2 | 0 | 0 | 0 | 2 |
| Ca. ex pleomorphic adenoma | 28 | 12 | 0 | 0 | 40 |
| Ca., NOS | 9 | 0 | 1 | 0 | 10 |
| Ca., undiff., NOS | 5 | 1 | 0 | 1 | 7 |
| Carcinosarcoma, NOS | 2 | 1 | 0 | 0 | 3 |
| Epithelial-myoepithelial ca. | 9 | 0 | 0 | 0 | 9 |
| Large cell carcinoma, NOS | 1 | 1 | 0 | 0 | 2 |
| Liposarcoma, NOS | 2 | 0 | 0 | 0 | 2 |
| Low-grade cribriform cystadenocarcinoma | 1 | 0 | 0 | 0 | 1 |
| Lymphoepithelial ca. | 1 | 1 | 0 | 0 | 2 |
| Myoepithelial ca. | 8 | 2 | 0 | 0 | 10 |
| Malig. Lymphoma, NOS | 10 | 3 | 0 | 0 | 13 |
| Mucoepidermoid ca. | 39 | 6 | 2 | 0 | 47 |
| Neoplasm, malig. | 1 | 0 | 0 | 0 | 1 |
| Oncocytic ca. | 1 | 0 | 0 | 0 | 1 |
| Salivary duct ca. | 46 | 15 | 0 | 0 | 61 |
| Small cell ca., NOS | 2 | 0 | 0 | 0 | 2 |
| S.C.C. kerat., NOS | 1 | 0 | 0 | 0 | 1 |
| S.C.C.,NOS | 30 | 10 | 0 | 1 | 41 |
| S.C.C. spindle cell | 1 | 0 | 0 | 0 | 1 |
| Total | 289 | 98 | 11 | 2 | 400 |

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

ca., Ca.: carcinoma.

Malig., malig.: malignant.

Carcinoma of the Major Salivary Glands ----- 400 Cases

T and N Status

| | N0 | N1 | N2 | N2a | N2b | N2c | N3 | NX | N- | Total |
|-------|--------|--------|----|-----|--------|-----|----|----|--------|-------|
| T0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| T1 | 30 | 5 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 37 |
| T2 | 83 (1) | 6 (1) | 0 | 0 | 19 (5) | 0 | 0 | 0 | 1 | 109 |
| T3 | 46 (2) | 7 (1) | 0 | 1 | 27 (6) | 1 | 0 | 0 | 0 | 82 |
| T4 | 3 | 0 | 0 | 0 | 3 (3) | 0 | 0 | 0 | 0 | 6 |
| T4a | 34 | 10 (1) | 0 | 0 | 42 (6) | 2 | 0 | 1 | 0 | 89 |
| T4b | 7 (2) | 0 | 0 | 0 | 5 (2) | 1 | 0 | 0 | 0 | 13 |
| TX | 1 | 2 | 0 | 0 | 2 | 0 | 0 | 6 | 0 | 11 |
| T- | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 (2) | 51 |
| Total | 206 | 30 | 0 | 1 | 101 | 4 | 0 | 7 | 51 | 400 |

M1: 32 cases. Number in parentheses indicate numbers of M1 cases

T-: not within defined T classification or without reported T classification.

N-: without reported N classification.

Parotid Gland

T and N Status

| | N0 | N1 | N2 | N2a | N2b | N2c | N3 | NX | N- | Total |
|-------|--------|----|----|-----|--------|-----|----|----|--------|-------|
| T0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| T1 | 15 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| T2 | 65 (1) | 3 | 0 | 0 | 12 (2) | 0 | 0 | 0 | 0 | 80 |
| T3 | 30 (1) | 3 | 0 | 0 | 17 (3) | 1 | 0 | 0 | 0 | 51 |
| T4 | 1 | 0 | 0 | 0 | 2 (2) | 0 | 0 | 0 | 0 | 3 |
| T4a | 31 | 9 | 0 | 0 | 36 (5) | 2 | 0 | 1 | 0 | 79 |
| T4b | 6 (2) | 0 | 0 | 0 | 5 (2) | 1 | 0 | 0 | 0 | 12 |
| TX | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 0 | 6 |
| T- | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 (2) | 39 |
| Total | 151 | 17 | 0 | 0 | 74 | 4 | 0 | 5 | 38 | 289 |

M1: 20 cases. Number in parentheses indicate numbers of M1 cases

T-: not within defined T classification or without reported T classification.

N-: without reported N classification.

Carcinoma of the Major Salivary Glands ----- 400 Cases

Submandibular Gland

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 |
| T1 | 10 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 15 |
| T2 | 18 | 3 (1) | 0 | 0 | 6 (3) | 0 | 0 | 0 | 1 | 28 |
| T3 | 13 (1) | 3 (1) | 0 | 1 | 10 (3) | 0 | 0 | 0 | 0 | 27 |
| T4 | 2 | 0 | 0 | 0 | 1 (1) | 0 | 0 | 0 | 0 | 3 |
| T4a | 1 | 1 (1) | 0 | 0 | 6 (1) | 0 | 0 | 0 | 0 | 8 |
| T4b | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| TX | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 5 |
| T- | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 11 |
| Total | 45 | 12 | 0 | 1 | 26 | 0 | 0 | 2 | 12 | 98 |

M1: 12 cases. Number in parentheses indicate numbers of M1 cases

T-: not within defined T classification or without reported T classification.

N-: without reported N classification.

Sublingual Gland

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 |
| T1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| T2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| T3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| T4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| T4a | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| T4b | 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 | 9 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 11 |

M1: 0 case.

T-: not within defined T classification or without reported T classification.

N-: without reported N classification.

Carcinoma of the Major Salivary Glands ----- 400 Cases

Treatment Method for the Primary Lesion by Primary Site

| Treatment method | Parotid gland (C07.9) | Sub-mandibular gland (C08.0) | Sublingual gland (C08.1) | Major salivary gland, NOS (C08.9) | Total |
|---------------------|-----------------------|------------------------------|--------------------------|-----------------------------------|------------|
| Surgery | | | | | |
| Without | 40 | 12 | 0 | 0 | 52 |
| With | 219 | 79 | 11 | 2 | 311 |
| Unknown | 30 | 7 | 0 | 0 | 37 |
| Radiotherapy | | | | | |
| Without | 135 | 54 | 9 | 2 | 200 |
| With | 123 | 37 | 2 | 0 | 162 |
| Unknown | 31 | 7 | 0 | 0 | 38 |
| Chemotherapy | | | | | |
| Without | 189 | 71 | 10 | 2 | 272 |
| With | 69 | 20 | 1 | 0 | 90 |
| Unknown | 31 | 7 | 0 | 0 | 38 |
| Total | 289 | 98 | 11 | 2 | 400 |

NOS: not otherwise specified.

Treatment Method for the Cervical Lymph Nodes by Primary Site

| Treatment method | Parotid gland (C07.9) | Sub-mandibular gland (C08.0) | Sublingual gland (C08.1) | Major salivary gland, NOS (C08.9) | Total |
|---------------------|-----------------------|------------------------------|--------------------------|-----------------------------------|------------|
| Surgery | | | | | |
| Without | 117 | 26 | 3 | 1 | 147 |
| With | 142 | 65 | 8 | 1 | 216 |
| Unknown | 30 | 7 | 0 | 0 | 37 |
| Radiotherapy | | | | | |
| Without | 171 | 56 | 10 | 2 | 239 |
| With | 81 | 32 | 1 | 0 | 114 |
| Unknown | 37 | 10 | 0 | 0 | 47 |
| Chemotherapy | | | | | |
| Without | 193 | 71 | 10 | 2 | 276 |
| With | 59 | 17 | 1 | 0 | 77 |
| Unknown | 37 | 10 | 0 | 0 | 47 |
| Total | 289 | 98 | 11 | 2 | 400 |

NOS: not otherwise specified.

Sequence of Treatment Methods for the Primary Site

| Sequence of treatment methods | Parotid gland (C07.9) | Submandibular gland (C08.0) | Sublingual gland (C08.1) | Major salivary gland, NOS (C08.9) | Total |
|---------------------------------|-----------------------|-----------------------------|--------------------------|-----------------------------------|-------|
| No treatment | 16 | 3 | 0 | 0 | 19 |
| A) Surg. alone | 104 | 38 | 9 | 2 | 153 |
| AB) Surg. ->Rad. | 61 | 26 | 1 | 0 | 88 |
| AF) Surg. ->(Rad.+Chem.) | 30 | 4 | 0 | 0 | 34 |
| C) Chem. alone | 7 | 4 | 0 | 0 | 11 |
| F) Rad.+Chem. | 7 | 3 | 0 | 0 | 10 |
| AC) Surg.->Chem. | 2 | 5 | 0 | 0 | 7 |
| B) Rad. alone | 4 | 2 | 0 | 0 | 6 |
| AFC) Surg.->(Rad.+Chem.)->Chem. | 4 | 1 | 0 | 0 | 5 |
| CA) Chem.->Surg. | 3 | 1 | 0 | 0 | 4 |
| CAB) Chem.->Surg.->Rad. | 4 | 0 | 0 | 0 | 4 |
| AA) Surg.->Surg. | 1 | 2 | 0 | 0 | 3 |
| AAB) Surg.->Surg.->Rad. | 3 | 0 | 0 | 0 | 3 |
| Others | 12 | 2 | 1 | 0 | 15 |
| Unknown | 31 | 7 | 0 | 0 | 38 |
| Total | 289 | 98 | 11 | 2 | 400 |

NOS: not otherwise specified.

Carcinoma of the Major Salivary Glands ----- 400 Cases

Surgical Method for the Primary Site

| Surgical method | Parotid gland (C07.9) | Submandibular gland (C08.0) | Sublingual gland (C08.1) | Major salivary gland, NOS (C08.9) | Total |
|--|-----------------------|-----------------------------|--------------------------|-----------------------------------|------------|
| X0) No surgery | 40 | 12 | 0 | 0 | 52 |
| H4) Total parotidectomy | 72 | 1 | 0 | 0 | 73 |
| H6) Submandibulectomy | 0 | 68 | 0 | 0 | 68 |
| H2) Superficial parotidectomy | 67 | 0 | 0 | 0 | 67 |
| H5) Extended total parotidectomy | 51 | 0 | 0 | 0 | 51 |
| H1) Partial parotidectomy | 12 | 0 | 0 | 0 | 12 |
| H3) Deep lobe resection of the parotid gland | 13 | 0 | 0 | 0 | 13 |
| H7) Resection of the sublingual gland | 0 | 1 | 5 | 0 | 6 |
| Others | 5 | 9 | 6 | 2 | 22 |
| Unknown | 29 | 7 | 0 | 0 | 36 |
| Total | 289 | 98 | 11 | 2 | 400 |

NOS: not otherwise specified.

Carcinoma of the Major Salivary Glands ——— 400 Cases

Neck Dissection on the Ipsilateral Side by Primary Site

| Neck dissection | Parotid gland (C07.9) | Sub- mandibular gland (C08.0) | Sublingual gland (C08.1) | Major salivary gland, NOS (C08.9) | Total |
|------------------------|--------------------------|--|--------------------------------|--|-------|
| 0) No N.D. | 112 | 24 | 2 | 1 | 139 |
| 1) Total N.D. | 49 | 16 | 3 | 0 | 68 |
| 2) Selective N.D. | 87 | 46 | 6 | 1 | 140 |
| 3) Lymph node excision | 4 | 0 | 0 | 0 | 4 |
| Unknown dissection | 8 | 4 | 0 | 0 | 12 |
| 9) Unknown | 29 | 8 | 0 | 0 | 37 |
| Total | 289 | 98 | 11 | 2 | 400 |

N.D.: neck dissection.

Neck Dissection on the Contralateral Side by Primary Site

| Neck dissection | Parotid gland (C07.9) | Sub- mandibular gland (C08.0) | Sublingual gland (C08.1) | Major salivary gland, NOS (C08.9) | Total |
|------------------------|--------------------------|--|--------------------------------|--|-------|
| 0) No N.D. | 249 | 83 | 7 | 2 | 341 |
| 1) Total N.D. | 0 | 1 | 2 | 0 | 3 |
| 2) Selective N.D. | 3 | 2 | 2 | 0 | 7 |
| 3) Lymph node excision | 0 | 0 | 0 | 0 | 0 |
| Unknown dissection | 0 | 0 | 0 | 0 | 0 |
| 9) Unknown | 37 | 12 | 0 | 0 | 49 |
| Total | 289 | 98 | 11 | 2 | 400 |

N.D.: neck dissection.

Carcinoma of the Major Salivary Glands ----- 400 Cases

Reconstructive Surgery by Primary Site

| Reconstructive surgery | Parotid gland (C07.9) | Submandibular gland (C08.0) | Sublingual gland (C08.1) | Major salivary gland, NOS (C08.9) | Total |
|------------------------------------|-----------------------|-----------------------------|--------------------------|-----------------------------------|-------|
| 0) No reconstruction | 184 | 86 | 4 | 1 | 275 |
| 1) Nerve graft | 25 | 0 | 0 | 0 | 25 |
| E) Free ALT flap | 16 | 1 | 1 | 1 | 19 |
| D) Free RA MC flap | 9 | 2 | 1 | 0 | 12 |
| 5) PM MC flap | 8 | 1 | 1 | 0 | 10 |
| C) Free FA flap | 1 | 0 | 2 | 0 | 3 |
| H) Vascularizes nerve graft | 3 | 0 | 0 | 0 | 3 |
| 2) Local skin flap | 1 | 0 | 1 | 0 | 2 |
| 4) DP flap | 1 | 1 | 0 | 0 | 2 |
| G+E) Fibular OC flap+Free ALT flap | 0 | 0 | 1 | 0 | 1 |
| 1) Skin graft | 1 | 0 | 0 | 0 | 1 |
| 8) Others | 8 | 0 | 0 | 0 | 8 |
| Unknown | 32 | 7 | 0 | 0 | 39 |
| Total | 289 | 98 | 11 | 2 | 400 |

NOS: not otherwise specified.
 MC: musculocutaneous.
 DP: deltopectral

ALT: anterolateral thigh.
 PM: pectoralis major.
 OC: osteocutaneous.

RA: rectus abdominis.
 FA: forearm.

Carcinoma of the Major Salivary Glands ——— 400 Cases

Radiotherapy by Primary Site

| Type of radiotherapy | Parotid gland (C07.9) | Sub- mandibular gland (C08.0) | Sublingual gland (C08.1) | Major salivary gland, NOS (C08.9) | Total |
|---------------------------------|--------------------------|--|--------------------------------|--|-------|
| 0) No radiotherapy | 131 | 52 | 9 | 2 | 194 |
| 1) X-ray (and/or electron beam) | 125 | 38 | 2 | 0 | 165 |
| 3) Particle beam | 1 | 1 | 0 | 0 | 2 |
| 8) Unknown source | 1 | 0 | 0 | 0 | 1 |
| 9) Unknown | 31 | 7 | 0 | 0 | 38 |
| Total | 289 | 98 | 11 | 2 | 400 |

NOS: not otherwise specified

Chemotherapy by Primary Site

| Route of administration | Parotid gland (C07.9) | Sub- mandibular gland (C08.0) | Sublingual gland (C08.1) | Major salivary gland, NOS (C08.9) | Total |
|-------------------------|--------------------------|--|--------------------------------|--|-------|
| 0) No chemotherapy | 187 | 71 | 10 | 2 | 270 |
| 1) I.V. | 56 | 16 | 1 | 0 | 73 |
| 3) Oral | 7 | 3 | 0 | 0 | 10 |
| 5) I.V.+Oral | 7 | 1 | 0 | 0 | 8 |
| Unknown route | 1 | 0 | 0 | 0 | 1 |
| 9) Unknown | 31 | 7 | 0 | 0 | 38 |
| Total | 289 | 98 | 11 | 2 | 400 |

NOS: not otherwise specified.

I.V.: intravenous.