

Report of Head and Neck Cancer Registry of Japan  
Clinical Statistics of Registered Patients, 2016

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 (JSHNC) since 2003. The annual reports have been published from 2003 to 2005 as supplements of the journal of the JSHNC. Because the Act of the Protection of Personal Information (APPI) was enforced in 2005, JSHNC had decided to discontinue this registration in 2004 and thereafter. After a seven-year interval, the JSHNC restarted the registry using the system of University hospital Medical Information Network (UMIN) Center in Japan. The online registration for patients in 2011 was initiated on May 25, 2012 after renewing the contents and methods of registration. This report is for the sixth year of the registration after its renewal.

The importance of cancer registration has been recognized widely in Japan since the Act of Propulsion of Cancer Registration in 2013. Moreover, the number of participating institutions has increased since the Japanese Society of Head and Neck Surgery (JSHNS) decided a revision in the regime for board-certified head and neck surgeons and training facilities in 2014.

The improved Ethical Guidelines for Medical and Health Research Involving Human Subjects have been publicly announced on Feb 28, 2017 and the revised APPI was enforced on May 30, 2017 in Japan, so that the procedure for informed consent was changed and the data traceability was taken into consideration in this registration thereafter. The minor refinements of the contents are being prepared for introduction of the 8th UICC TNM classification. Moreover, the clinical research center (CRC) of Wakayama medical university hospital has participated in this registration system from July 2017. The data collection contents have been expanded to include the information on five-year prognosis from 2017. Hence, the prognosis data about the cases registered in 2011 were also disclosed this time. These reforms and expansion according to social, medical needs are important to achieve the further development of this registry. Actually, the total number of registered cases has remarkably increased by the assistance of data center. We expect that this vast organ-based registry led by doctors and CRC with an increase in the number of participating institutions, will help better understand the statistics and modes of treatment of head and neck cancer, besides the hospital-based or population-based cancer registry in Japan.

We would like to express our deepest appreciation to all the doctors in the participating institutions. Furthermore, we would like to express our gratitude to the JSHNS, the member of specialists for head and neck cancer, and the members of UMIN Center as well.

June 30, 2019

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Chairperson of the Board of Directors  
Ken-ichi Nibu, MD  
Chief Director of Cancer Registry  
Seiichi Yoshimoto MD  
Chairperson of Cancer Registry Committee  
Japan Society for Head and Neck Cancer

Cancer Registry Committee 2019  
Japan Society for Head and Neck Cancer

Directors      Ryuichi Hayashi, Ken-ichi Nibu, Tadaaki, Kirita, and Tsuyoshi Kodaira  
Supervisor    Munenaga Nakamizo  
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#### Data Collection

All the doctors who are members of the Japan Society for Head and Neck Cancer are advised to participate in the registration of cancer patients. More than one doctor from an institution could participate in this registration. A participant is 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 registers the data of the cases in their institute to the INDICE system online. The completed registration provides information regarding the patients' age, gender, tumor pathology, TNM classification, therapies (surgery, radiation and chemotherapy), and prognosis. This year, the 6th year of registration, all the data stored in the INDICE system were reviewed by head and neck oncologists and analyzed from all aspects, including the prognosis data about cases registered in 2011.

Registration was restricted to previously untreated malignant head and neck tumor cases which had a confirmed pathological diagnosis, 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).

A total of 38290 cases (including cases other than in the year 2016 and with unknown presentation of diseases, unknown aim for therapies, previously treated) were registered from 22 Jan, 2016 to 31 Oct, 2018. Data correction by each institution is allowed once by the system, and the data registered before Oct 31, 2018, were checked and corrected after confirming with each institution, whereas, any data correction after the date by themselves were not verified. The total number of previously untreated patients was 11,716 for the starting date of the initial therapy from Jan. 1 to Dec. 31, 2016, after excluding cases other than in the year 2015 and with unknown presentation of diseases and duplicated registration.

List of 184 Institutions which participate in the Registry in 2016

- 1 Department of Otorhinolaryngology, Japanese Red Cross Kitami Hospital
- 2 Department of Otorhinolaryngology, Asahikawa Medical University Hospital
- 3 Department of Otorhinolaryngology, Kushiro City General Hospital
- 4 Department of Dentistry and Oral Surgery, Hokuto Hospital
- 5 Department of Otorhinolaryngology, Obihiro Kosei Hospital
- 6 Department of Otorhinolaryngology, Keiyukai Sapporo Hospital
- 7 Department of Oral Surgery and Otorhinolaryngology, Sapporo Medical University Hospital
- 8 Department of Otorhinolaryngology, Sapporo City General Hospital
- 9 Department of Oral Surgery, Sapporo City General Hospital
- 10 Department of Otorhinolaryngology, Teine Keijinkai Hospital
- 11 Department of Otorhinolaryngology, KKR Sapporo Medical Center
- 12 Department of Otorhinolaryngology, Hokkaido Medical Center
- 13 Department of Head and Neck Surgery, Hokkaido Cancer Center
- 14 Department of Oral Surgery, Hokkaido University Hospital
- 15 Department of Otorhinolaryngology, Hokkaido University Hospital
- 16 Department of Otorhinolaryngology, Hirosaki University Hospital
- 17 Department of Oral Surgery, Hirosaki University Hospital
- 18 Department of Otorhinolaryngology, Akita University Hospital
- 19 Department of Head and Neck Surgery, Miyagi Cancer Center
- 20 Department of Otorhinolaryngology, Sendai Medical Center
- 21 Department of Otorhinolaryngology, Tohoku University Hospital
- 22 Department of Otorhinolaryngology, Iwate Medical University
- 23 Department of Otorhinolaryngology, Yamagata Prefectural Central Hospital
- 24 Department of Otorhinolaryngology, Yamagata University Hospital
- 25 Department of Otorhinolaryngology, Nihonkai General Hospital
- 26 Department of Otorhinolaryngology, Minami Tohoku Hospital
- 27 Department of Otorhinolaryngology, Fukushima Medical University Hospital
- 28 Department of Head and Neck Surgery, Niigata Cancer Center
- 29 Department of Otorhinolaryngology, Niigata University Medical & Dental Hospital
- 30 Department of Otorhinolaryngology, Japanese Red Cross Nagaoka Hospital
- 31 Department of Otorhinolaryngology, Ibaraki Prefectural Central Hospital
- 32 Department of Otorhinolaryngology, Tsukuba University Hospital
- 33 Department of Otorhinolaryngology, Saiseikai Utsunomiya Hospital
- 34 Department of Otorhinolaryngology, Jichi University Hospital
- 35 Department of Otorhinolaryngology, Dokkyo Medical University Hospital
- 36 Department of Head and Neck Surgery, Gunma Prefectural Cancer Center

List of 184 Institutions which participate in the Registry in 2016

- 37 Department of Otorhinolaryngology, Gunma University Hospital
- 38 Department of Head and Neck Surgery, Saitama Medical University International Medical Center
- 39 Department of Oral Surgery, Saitama Cancer Center
- 40 Department of Head and Neck Surgery, Saitama Cancer Center
- 41 Department of Otorhinolaryngology, Ageo Central General Hospital
- 42 Department of Otorhinolaryngology, National Defense Medical College Hospital
- 43 Department of Otorhinolaryngology, Kameda Medical Center
- 44 Department of Otorhinolaryngology, Kimtsu Chuo Hospital
- 45 Division of Head and Neck Surgery, National Cancer Center Hospital East
- 46 Department of Otorhinolaryngology, Japanese Red Cross Narita Hospital
- 47 Department of Head and Neck Surgery, Chiba Cancer Center
- 48 Department of Oral Surgery, Chiba University Hospital
- 49 Department of Otorhinolaryngology, Chiba University Hospital
- 50 Department of Otorhinolaryngology, NTT Medical Center Tokyo
- 51 Department of Head and Neck Surgery, Cancer Institute Hospital
- 52 Department of Otorhinolaryngology, Kyorin University Hospital
- 53 Department of Otorhinolaryngology, Keio University Hospital
- 54 Department of Otorhinolaryngology, Showa General Hospital
- 55 Head and Neck Oncology Center, International University of Health and Welfare, Mita Hospital
- 56 Department of Head and Neck Surgery, National Cancer Center Hospital
- 57 Department of Otorhinolaryngology, Juntendo University Hospital
- 58 Department of Otorhinolaryngology, Showa University Hospital
- 59 Department of Otorhinolaryngology, Teikyo University Hospital
- 60 Department of Otorhinolaryngology, Tokyo Metropolitan Cancer and Infectious Disease Center  
Komagome Hospital
- 61 Department of Otorhinolaryngology, Head and Neck Surgery, Faculty of Medicine, Tokyo Medical and  
Dental University Hospital
- 62 Department of Oral and Maxillofacial Surgery, Faculty of Dentistry, Tokyo Medical and Dental  
University Hospital
- 63 Department of Otorhinolaryngology, Tokyo Medical University, Hachioji Medical Center
- 64 Department of Otorhinolaryngology, Tokyo Medical University Hospital
- 65 Department of Otorhinolaryngology, Jikei University Hospital
- 66 Department of Otorhinolaryngology, Jikei University Daisan Hospital
- 67 Department of Otorhinolaryngology, The University of Tokyo Hospital
- 68 Department of Otorhinolaryngology, Tokyo Saiseikai Central Hospital
- 69 Department of Otorhinolaryngology, Tokyo Metropolitan Tama Medical Center
- 70 Department of Oral Surgery, Tokyo Metropolitan Tama Medical Center

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- 71 Department of Oral Surgery, Tokyo Metropolitan Ohtsuka Hospital
- 72 Department of Otorhinolaryngology and Oral Surgery, Tokyo Medical Center
- 73 Department of Otorhinolaryngology, Nippon Medical School Hospital
- 74 Division of Head and Neck Surgery, Nerima Hikarigaoka Hospital
- 75 Department of Otorhinolaryngology, Yokosuka Kyosai Hospital
- 76 Department of Dentistry and Oral Surgery, Yokohama City University Hospital
- 77 Department of Otorhinolaryngology, Yokohama City University Hospital
- 78 Department of Head and Neck Surgery, Kanagawa Cancer Center
- 79 Department of Otorhinolaryngology, St.Marianna University School of Medicine Hospital
- 80 Department of Otorhinolaryngology, Kawasaki Municipal Hospital
- 81 Department of Oral and Maxillofacial Surgery, Tsurumi University Dental Hospital
- 82 Department of Otorhinolaryngology, Tokai University Hospital
- 83 Department of Oral Surgery, Tokai University Hospital
- 84 Department of Otorhinolaryngology, Kitasato University Hospital
- 85 Department of Otorhinolaryngology, Yokohama Municipal Nanbu Hospital
- 86 Department of Otorhinolaryngology, Shinshu University Hospital
- 87 Department of Otorhinolaryngology, Yamanashi University Hospital
- 88 Department of Otorhinolaryngology, Seirei Hamamatsu General Hospital
- 89 Department of Head and Neck Surgery, Shizuoka Cancer Center
- 90 Department of Otorhinolaryngology, Hamamatsu Medical University Hospital
- 91 Department of Otorhinolaryngology, Japanese Red Cross Shizuoka Hospital
- 92 Department of Dentistry and Oral Surgery, Kouseiren Takaoka Hospital
- 93 Department of Otorhinolaryngology, Toyama University Hospital
- 94 Department of Otorhinolaryngology, Kanazawa University Hospital
- 95 Department of Otorhinolaryngology, Kanazawa Medical University Hospital
- 96 Department of Otorhinolaryngology, Gifu University Hospital
- 97 Department of Head and Neck Surgery, Aichi Cancer Center
- 98 Department of Otorhinolaryngology, Chubu Rousai Hospital
- 99 Department of Otorhinolaryngology, Fujita Health University Hospital
- 100 Department of Otorhinolaryngology, Toyohashi Municipal Hospital
- 101 Department of Otorhinolaryngology, Nagoya City University Hospital
- 102 Department of Otorhinolaryngology and Oral Surgery, Nagoya University Hospital
- 103 Department of Otorhinolaryngology, Japanese Red Cross Nagoya Daiichi Hospital
- 104 Department of Otorhinolaryngology, Fukui University Hospital
- 105 Department of Otorhinolaryngology, Shiga University of Medical Science Hospital
- 106 Department of Head and Neck Surgery, Kusatsu General Hospital
- 107 Department of Otorhinolaryngology, Japanese Red Cross Otsu Hospital

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- 108 Department of Otorhinolaryngology, Shiga General Hospital
- 109 Department of Otorhinolaryngology, Ise Red Cross Hospital
- 110 Department of Otorhinolaryngology, Mie University Hospital
- 111 Department of Otorhinolaryngology, Kyoto Medical Center
- 112 Department of Otorhinolaryngology, Kyoto University Hospital
- 113 Department of Otorhinolaryngology, Japanese Red Cross Kyoto Daiichi Hospital
- 114 Department of Otorhinolaryngology, Japanese Red Cross Kyoto Daini Hospital
- 115 Department of Otorhinolaryngology, Kyoto Prefectural University Hospital
- 116 Department of Otorhinolaryngology, Kinki University Nara Hospital
- 117 Department of Otorhinolaryngology, Nara City Hospital
- 118 Department of Otorhinolaryngology, Tenri Hospital
- 119 Department of Otorhinolaryngology and Oral and Maxillofacial Surgery, Nara Medical University Hospital
- 120 Department of Otorhinolaryngology, Rinku General Medical Center
- 121 Department of Otorhinolaryngology, Kansai Medical University Hospital
- 122 Department of Oral and Maxillofacial Surgery and Otorhinolaryngology, Kinki University Hospital
- 123 Department of Otorhinolaryngology, Kishiwada City Hospital
- 124 Department of Otorhinolaryngology, Osaka Medical University Hospital
- 125 Department of Otorhinolaryngology, Osaka General Medical Center
- 126 Department of Otorhinolaryngology, Osaka City University Hospital
- 127 Department of Otorhinolaryngology, Osaka City General Hospital
- 128 Department of Otorhinolaryngology, Japanese Red Cross Osaka Hospital
- 129 Department of Oral Surgery, Osaka University Hospital
- 130 Department of Otorhinolaryngology, Osaka Saiseikai Nakatsu Hospital
- 131 Department of Otorhinolaryngology, Osaka International Cancer Center
- 132 Department of Otorhinolaryngology, Kansai Rosai Hospital
- 133 Department of Oral Surgery and Otorhinolaryngology, Wakayama Medical University Hospital
- 134 Department of Otorhinolaryngology, Japanese Red Cross Wakayama Medical Center
- 135 Department of Otorhinolaryngology, Kobe City Medical Center General Hospital
- 136 Department of Otorhinolaryngology, Kobe University Hospital
- 137 Department of Otorhinolaryngology, Hyogo College of Medicine
- 138 Department of Otorhinolaryngology, Hyogo Cancer Center
- 139 Department of Otorhinolaryngology, Hyogo Prefectural Amagasaki General Medical Center
- 140 Department of Otorhinolaryngology, Okayama University Hospital
- 141 Department of Otorhinolaryngology, Himeji Red Cross Hospital
- 142 Department of Otorhinolaryngology, Tottori University Hospital
- 143 Department of Otorhinolaryngology, Kurashiki Central Hospital

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- 144 Department of Otorhinolaryngology, Shimane University Hospital
- 145 Department of Otorhinolaryngology, Fukuyama City Hospital
- 146 Department of Otorhinolaryngology, Hiroshima City Hiroshima Citizens Hospital
- 147 Department of Otorhinolaryngology, Hiroshima Red Cross Hospital & Atomic-bomb Survivors Hospital
- 148 Department of Otorhinolaryngology, Hiroshima University Hospital
- 149 Department of Otorhinolaryngology, Miyoshi Central Hospital
- 150 Department of Otorhinolaryngology, Kure Medical Center and Chugoku Cancer Center
- 151 Department of Otorhinolaryngology, Yamaguchi University Hospital
- 152 Department of Otorhinolaryngology, Yamaguchi Prefectural General Medical Center
- 153 Department of Otorhinolaryngology, Ehime Prefectural Central Hospital
- 154 Department of Otorhinolaryngology, Ehime University Hospital
- 155 Department of Head and Neck Surgery, Shikoku Cancer Center
- 156 Department of Head and Neck Surgery, Tokushima University Hospital
- 157 Department of Otorhinolaryngology, Kochi Medical Center
- 158 Department of Otorhinolaryngology, Kochi Medical School Hospital
- 159 Department of Otorhinolaryngology, Kagawa Prefectural Central Hospital
- 160 Department of Otorhinolaryngology, Kagawa University Hospital
- 161 Department of Otorhinolaryngology, Oita University Hospital
- 162 Department of Otorhinolaryngology, University of Occupational and Environmental Health
- 163 Department of Otorhinolaryngology, Kokura Memorial Hospital
- 164 Department of Head and Neck Surgery, Kyushu Cancer Center
- 165 Department of Otorhinolaryngology, Kyushu University Hospital
- 166 Department of Otorhinolaryngology, Kyushu Medical Center
- 167 Department of Otorhinolaryngology, JCHO Kyushu Hospital
- 168 Department of Otorhinolaryngology, Hamanomachi Hospital
- 169 Department of Otorhinolaryngology, Fukuoka University Hospital
- 170 Department of Oral Surgery, Fukuoka University
- 171 Department of Oral Surgery, Fukuoka Dental University
- 172 Department of Otorhinolaryngology, Iduka Hospital
- 173 Department of Otorhinolaryngology, Kurume University Hospital
- 174 Department of Otorhinolaryngology, Saga University Hospital
- 175 Department of Otorhinolaryngology, Sasebo Kyosai Hospital
- 176 Department of Otorhinolaryngology, Sasebo City General Hospital
- 177 Department of Otorhinolaryngology, Nagasaki Medical Center
- 178 Department of Otorhinolaryngology, Nagasaki University Hospital
- 179 Department of Otorhinolaryngology, Kumamoto University Hospital
- 180 Department of Otorhinolaryngology, Kagoshima Medical Center



List of 184 Institutions which participate in the Registry in 2016

- 181 Department of Otorhinolaryngology, Kagoshima City Hospital
- 182 Department of Otorhinolaryngology, Kagoshima University Medical and Dental Hospital
- 183 Department of Otorhinolaryngology, Okinawa Prefectural Chubu Hospital
- 184 Department of Otorhinolaryngology, Ryukyu University Hospital

Total Cases (2016)

11716 Cases

## Primary Site

Site	Number of patients	(%)
1) Oral cavity	2919	( 24.9 )
2) Larynx	2387	( 20.4 )
3) Hypopharynx	2504	( 21.4 )
4) Oropharynx	1976	( 16.9 )
5) Nasopharynx	382	( 3.3 )
6) Nasal cavity, etc	420	( 3.6 )
7) Maxillary sinus	467	( 4.0 )
8) Major salivary glands	661	( 5.6 )
<b>Total</b>	<b>11716</b>	<b>( 100 )</b>

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

## Age Distribution by Gender

Age	Male	Female	Total
0 - 9	2	0	2
10 - 19	9	5	14
20 - 29	45	45	90
30 - 39	117	96	213
40 - 49	488	240	728
50 - 59	1327	359	1686
60 - 69	3266	622	3888
70 - 79	2967	590	3557
80 - 89	1013	411	1424
90 - 99	55	59	114
100 - 109	0	0	0
<b>Total</b>	<b>9289</b>	<b>2427</b>	<b>11716</b>

# Head and Neck Cancer ----- 11716 Cases

## Histological Distribution by Primary Site

Histologic type	(1) Oral cavity	(2) Larynx	(3) Hypopharynx	(4) Oropharynx	(5) Nasopharynx	(6) Nasal cavity, etc	(7) Maxillary sinus	(8) Major salivary glands	Total
Acinar cell ca.	2	0	0	2	0	0	0	30	34
Adenocarcinoma, NOS	12	3	0	8	2	16	4	42	87
Adenoid cystic ca.	24	3	1	9	4	23	27	106	197
Adenosquamous ca.	4	0	3	0	0	1	5	1	14
Basal cell adenocarcinoma	0	0	0	0	0	0	0	10	10
Basal cell ca., NOS	2	0	0	2	0	3	0	1	8
Basaloid S.C.C.	3	4	10	3	1	5	3	0	29
Carcinoid tumor, NOS	0	3	1	0	0	0	0	0	4
Ca. ex pleomorphic adenoma	2	0	0	2	0	0	0	62	66
Ca., NOS	10	9	4	8	18	15	7	16	87
Ca., undiff., NOS	2	1	2	3	19	5	11	1	44
Carcinosarcoma, NOS	2	2	1	1	1	0	1	5	13
Chondrosarcoma, NOS	0	4	0	0	0	2	0	1	7
Clear cell ca., NOS	4	0	0	2	0	0	0	0	6
Cystadenocarcinoma	0	0	0	1	0	0	0	7	8
Epithelial-myoepithelial ca.	2	0	0	0	0	0	0	29	31
Fibrosarcoma, NOS	0	1	0	0	0	0	0	0	1
Hemangiosarcoma	0	0	0	0	0	2	0	0	2
Large cell ca., NOS	0	0	0	0	0	0	1	3	4
Leiomyosarcoma, NOS	0	0	3	0	0	1	2	0	6
Lymphoepithelial ca.	0	0	3	6	44	1	3	5	62
Malg. lymphoma, NOS	2	1	1	11	1	11	0	16	43
Malg. melanoma, NOS	20	0	0	2	0	88	11	0	121
Metastasizing pleomorphic adenoma	0	0	0	0	0	0	0	1	1
Mixed tumor, malig., NOS	0	0	0	0	0	0	0	4	4
Mucinous adenocarcinoma	0	0	0	0	0	0	0	1	1
Mucoepidermoid ca.	26	0	0	10	0	3	3	97	139
Myoepithelial ca.	3	0	0	1	0	2	0	16	22
Neoplasm, malig.	3	5	3	1	2	1	2	13	30
Olfactory neuroblastoma	0	0	0	0	0	54	0	0	54
Oncocytic ca.	0	0	0	0	0	0	0	2	2
Osteosarcoma, NOS	3	0	0	0	0	0	4	0	7
Papillary S.C.C.	1	3	1	1	0	2	0	1	9
Plasmacytoma, NOS	0	1	0	0	0	1	0	0	2
Polymorphous low grade adenocarcinoma	0	0	0	0	0	0	0	1	1
Rhabdomyosarcoma, NOS	2	0	0	1	1	6	2	0	12
Salivary duct ca.	4	0	0	0	0	3	0	123	130
Sebaceous ca.	0	0	0	0	0	0	0	1	1
Small cell ca., NOS	0	3	0	4	1	15	9	2	34
Spindle cell ca., NOS	2	10	5	2	2	2	7	1	31
S.C.C. in situ with quest. stromal invasion	4	3	11	1	0	1	0	0	20
S.C.C. in situ, NOS	69	95	125	50	1	5	3	0	348
S.C.C. kerat., NOS	139	77	40	47	7	3	10	2	325
S.C.C. large cell, nonkerat., NOS	4	2	10	38	24	5	3	2	88
S.C.C. microinvasive	17	12	13	3	1	0	2	0	48
S.C.C., NOS	2512	2132	2260	1736	240	132	336	53	9401
S.C.C., small cell, nonkerat.	1	2	4	6	12	2	1	0	28
S.C.C., spindle cell	3	4	2	5	0	0	1	0	15
Transitional cell ca., NOS	1	0	0	1	0	2	2	0	6
Verrucous ca., NOS	32	4	1	1	0	0	1	0	39
Neuroendocrine ca., NOS	0	2	0	0	0	2	2	1	7
Malg. lymphoma, large B-cell, diffuse, NOS	0	0	0	0	0	0	0	1	1
Malg. lymphoma, large B-cell, diffuse, NOS	0	0	0	5	1	0	0	0	6
Plasma cell myeloma/ plasmacytoma	0	0	0	0	0	1	0	0	1
Neurilemoma, malig.	0	0	0	0	0	0	1	0	1
Desmoplastic small round cell tumor	0	0	0	0	0	1	0	0	1
Ameloblastoma, NOS	0	0	0	0	0	0	1	0	1
Epithelioid hemangioendothelioma, NOS	0	0	0	0	0	1	0	0	1
Papillary adenocarcinoma, NOS	0	1	0	0	0	1	0	0	2
NKT-cell lymphoma, nasal and nasaltyle	0	0	0	0	0	2	0	0	2
Mature T-cell lymphoma, NOS	0	0	0	1	0	0	0	0	1
Synovial sarcoma, NOS	0	0	0	1	0	0	0	0	1
Peripheral neuroectodermal tumor	1	0	0	0	0	0	0	0	1
Marginal zone B-cell lymphoma, NOS	0	0	0	0	0	0	0	1	1
S.C.C., adenoid	1	0	0	0	0	0	0	0	1
Malg. tumor, spindle cell type	0	0	0	0	0	0	1	0	1
Pleomorphic adenoma	0	0	0	0	0	0	0	1	1
Malg. peripheral nerve sheath tumor	0	0	0	1	0	0	1	1	3
Basaloid ca.	0	0	0	0	0	0	0	1	1
Total	2919	2387	2504	1976	382	420	467	661	11716

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 ----- 11716 Cases

## Histological Distribution by Primary Site (Male)

Histologic type	(1) Oral cavity	(2) Larynx	(3) Hypopharynx	(4) Oropharynx	(5) Nasopharynx	(6) Nasal cavity, etc	(7) Maxillary sinus	(8) Major salivary glands	Total
Acinar cell ca.	1	0	0	1	0	0	0	15	17
Adenocarcinoma, NOS	7	2	0	4	2	13	3	27	58
Adenoid cystic ca.	11	2	1	4	2	11	10	51	92
Adenosquamous ca.	2	0	3	0	0	1	2	1	9
Basal cell adenocarcinoma	0	0	0	0	0	0	0	3	3
Basal cell ca., NOS	1	0	0	1	0	2	0	0	4
Basaloid S.C.C.	2	4	9	3	1	4	3	0	26
Blue nevus, malig.	0	0	0	0	0	0	0	0	0
Carcinoid tumor, NOS	0	3	1	0	0	0	0	0	4
Ca. ex pleomorphic adenoma	1	0	0	1	0	0	0	35	37
Ca., NOS	6	9	3	7	13	10	5	4	57
Ca., undiff., NOS	1	1	1	3	15	4	5	1	31
Carcinosarcoma, NOS	0	2	1	1	1	0	1	2	8
Chondrosarcoma, NOS	0	2	0	0	0	0	0	1	3
Clear cell ca., NOS	2	0	0	1	0	0	0	0	3
Cystadenocarcinoma	0	0	0	0	0	0	0	4	4
Epithelial-myoepithelial ca.	2	0	0	0	0	0	0	13	15
Ewing sarcoma	0	0	0	0	0	0	0	0	0
Fibrosarcoma, NOS	0	1	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 ca., NOS	0	0	0	0	0	0	1	2	3
Leiomyosarcoma, NOS	0	0	3	0	0	0	2	0	5
Liposarcoma, NOS	0	0	0	0	0	0	0	0	0
Lymphoepithelial ca.	0	0	2	3	27	0	3	2	37
Malig. lymphoma, NOS	1	1	0	8	1	4	0	6	21
Malig. melanoma, NOS	7	0	0	2	0	37	4	0	50
Metastasizing pleomorphic adenoma	0	0	0	0	0	0	0	1	1
Mixed tumor, malig., NOS	0	0	0	0	0	0	0	2	2
Mucinous adenocarcinoma	0	0	0	0	0	0	0	0	0
Mucoepidermoid ca.	9	0	0	4	0	2	3	47	65
Myoepithelial ca.	2	0	0	1	0	1	0	6	10
Neoplasm, malig.	2	3	3	1	2	0	1	9	21
Olfactory neuroblastoma	0	0	0	0	0	34	0	0	34
Oncocytic ca.	0	0	0	0	0	0	0	1	1
Osteosarcoma, NOS	2	0	0	0	0	0	2	0	4
Papillary S.C.C.	0	3	1	1	0	2	0	0	7
Plasmacytoma, NOS	0	1	0	0	0	1	0	0	2
Polymorphous low grade adenocarcinoma	0	0	0	0	0	0	0	1	1
Rhabdomyosarcoma, NOS	2	0	0	1	1	3	2	0	9
Salivary duct ca.	3	0	0	0	0	3	0	97	103
Sebaceous ca.	0	0	0	0	0	0	0	1	1
Sialoblastoma	0	0	0	0	0	0	0	0	0
Small cell ca., NOS	0	3	0	4	1	12	7	0	27
Solitary fibrous tumor, malig.	0	0	0	0	0	0	0	0	0
Spindle cell ca., NOS	2	10	5	2	2	2	5	0	28
S.C.C. in situ with quest. stromal invasion	3	3	10	1	0	1	0	0	18
S.C.C. in situ, NOS	41	92	121	45	1	5	2	0	307
S.C.C., kerat., NOS	87	69	35	39	4	3	8	1	246
S.C.C., large cell, nonkerat., NOS	3	2	10	30	16	4	3	1	69
S.C.C., microinvasive	6	11	12	3	1	0	2	0	35
S.C.C., NOS	1647	1976	2078	1437	184	100	263	41	7726
S.C.C., small cell, nonkerat.	1	2	4	6	9	2	0	0	24
S.C.C., spindle cell	3	4	2	4	0	0	1	0	14
Transitional cell ca., NOS	1	0	0	1	0	0	2	0	4
Undiff. pleomorphic sarcoma	0	0	0	0	0	0	0	0	0
Verrucous ca., NOS	17	4	1	1	0	0	1	0	24
Neuroendocrine ca., NOS	0	2	0	0	0	1	0	1	4
Malig. lymphoma, large B-cell, diffuse, NOS	0	0	0	0	0	0	0	0	0
T-cell rich large B-cell lymphoma	0	0	0	0	0	0	0	0	0
Malig. lymphoma, large B-cell, diffuse, NOS	0	0	0	3	1	0	0	0	4
Plasma cell myeloma/ plasmacytoma	0	0	0	0	0	1	0	0	1
Neurilemoma, malig.	0	0	0	0	0	0	1	0	1
Desmoplastic small round cell tumor	0	0	0	0	0	1	0	0	1
Apocrine adenocarcinoma	0	0	0	0	0	0	0	0	0
Ameloblastoma, NOS	0	0	0	0	0	0	1	0	1
Epithelioid hemangioendothelioma, NOS	0	0	0	0	0	1	0	0	1
Papillary adenocarcinoma, NOS	0	0	0	0	0	0	0	0	0
NK/T-cell lymphoma, nasal and nasaltpe	0	0	0	0	0	2	0	0	2
Mature T-cell lymphoma, NOS	0	0	0	0	0	0	0	0	0
Synovial sarcoma, NOS	0	0	0	1	0	0	0	0	1
Peripheral neuroectodermal tumor	0	0	0	0	0	0	0	0	0
Marginal zone B-cell lymphoma, NOS	0	0	0	0	0	0	0	0	0
S.C.C., adenoid	0	0	0	0	0	0	0	0	0
Malig. tumor, spindle cell type	0	0	0	0	0	0	1	0	1
Pleomorphic adenoma	0	0	0	0	0	0	0	0	0
Malig. peripheral nerve sheath tumor	0	0	0	0	0	0	1	0	1
Basaloid ca.	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1875</b>	<b>2212</b>	<b>2306</b>	<b>1624</b>	<b>284</b>	<b>267</b>	<b>345</b>	<b>376</b>	<b>9289</b>

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 ----- 11716 Cases

## Histological Distribution by Primary Site (Female)

Histologic type	(1) Oral cavity	(2) Larynx	(3) Hypopharynx	(4) Oropharynx	(5) Nasopharynx	(6) Nasal cavity, etc	(7) Maxillary sinus	(8) Major salivary glands	Total
Acinar cell ca.	1	0	0	1	0	0	0	15	17
Adenocarcinoma, NOS	5	1	0	4	0	3	1	15	29
Adenoid cystic ca.	13	1	0	5	2	12	17	55	105
Adenosquamous ca.	2	0	0	0	0	0	3	0	5
Basal cell adenocarcinoma	0	0	0	0	0	0	0	7	7
Basal cell ca., NOS	1	0	0	1	0	1	0	1	4
Basaloid S.C.C.	1	0	1	0	0	1	0	0	3
Blue nevus, malig.	0	0	0	0	0	0	0	0	0
Carcinoid tumor, NOS	0	0	0	0	0	0	0	0	0
Ca. ex pleomorphic adenoma	1	0	0	1	0	0	0	27	29
Ca., NOS	4	0	1	1	5	5	2	12	30
Ca., undiff., NOS	1	0	1	0	4	1	6	0	13
Carcinosarcoma, NOS	2	0	0	0	0	0	0	3	5
Chondrosarcoma, NOS	0	2	0	0	0	2	0	0	4
Clear cell ca., NOS	2	0	0	1	0	0	0	0	3
Cystadenocarcinoma	0	0	0	1	0	0	0	3	4
Epithelial-myoepithelial ca.	0	0	0	0	0	0	0	16	16
Ewing sarcoma	0	0	0	0	0	0	0	0	0
Fibrosarcoma, NOS	0	0	0	0	0	0	0	0	0
Giant cell sarcoma	0	0	0	0	0	0	0	0	0
Hemangiosarcoma	0	0	0	0	0	2	0	0	2
Large cell ca., NOS	0	0	0	0	0	0	0	1	1
Leiomyosarcoma, NOS	0	0	0	0	0	1	0	0	1
Liposarcoma, NOS	0	0	0	0	0	0	0	0	0
Lymphoepithelial ca.	0	0	1	3	17	1	0	3	25
Malig. lymphoma, NOS	1	0	1	3	0	7	0	10	22
Malig. melanoma, NOS	13	0	0	0	0	51	7	0	71
Metastasizing pleomorphic adenoma	0	0	0	0	0	0	0	0	0
Mixed tumor, malig., NOS	0	0	0	0	0	0	0	2	2
Mucinous adenocarcinoma	0	0	0	0	0	0	0	1	1
Mucoepidermoid ca.	17	0	0	6	0	1	0	50	74
Myoepithelial ca.	1	0	0	0	0	1	0	10	12
Neoplasm, malig.	1	2	0	0	0	1	1	4	9
Olfactory neuroblastoma	0	0	0	0	0	20	0	0	20
Oncocytic ca.	0	0	0	0	0	0	0	1	1
Osteosarcoma, NOS	1	0	0	0	0	0	2	0	3
Papillary squamous cell ca.	1	0	0	0	0	0	0	1	2
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	3	0	0	3
Salivary duct ca.	1	0	0	0	0	0	0	26	27
Sebaceous ca.	0	0	0	0	0	0	0	0	0
Sialoblastoma	0	0	0	0	0	0	0	0	0
Small cell ca., NOS	0	0	0	0	0	3	2	2	7
Solitary fibrous tumor, malig.	0	0	0	0	0	0	0	0	0
Spindle cell ca., NOS	0	0	0	0	0	0	2	1	3
Squamous cell ca. in situ with quest. stromal invasion	1	0	1	0	0	0	0	0	2
Squamous cell ca. in situ, NOS	28	3	4	5	0	0	1	0	41
S.C.C. kerat., NOS	52	8	5	8	3	0	2	1	79
S.C.C. large cell, nonkerat., NOS	1	0	0	8	8	1	0	1	19
S.C.C. microinvasive	11	1	1	0	0	0	0	0	13
S.C.C. NOS	865	156	182	299	56	32	73	12	1675
S.C.C. small cell, nonkerat.	0	0	0	0	3	0	1	0	4
S.C.C. spindle cell	0	0	0	1	0	0	0	0	1
Transitional cell ca., NOS	0	0	0	0	0	2	0	0	2
Undiff. pleomorphic sarcoma	0	0	0	0	0	0	0	0	0
Verrucous ca., NOS	15	0	0	0	0	0	0	0	15
Neuroendocrine ca., NOS	0	0	0	0	0	1	2	0	3
Malig. lymphoma, large B-cell, diffuse, NOS	0	0	0	0	0	0	0	1	1
T-cell rich large B-cell lymphoma	0	0	0	0	0	0	0	0	0
Malig. lymphoma, large B-cell, diffuse, NOS	0	0	0	2	0	0	0	0	2
Plasma cell myeloma/ plasmacytoma	0	0	0	0	0	0	0	0	0
Neurilemoma, malig.	0	0	0	0	0	0	0	0	0
Desmoplastic small round cell tumor	0	0	0	0	0	0	0	0	0
Apocrine adenocarcinoma	0	0	0	0	0	0	0	0	0
Ameloblastoma, NOS	0	0	0	0	0	0	0	0	0
Epithelioid hemangioendothelioma, NOS	0	0	0	0	0	0	0	0	0
Papillary adenocarcinoma, NOS	0	1	0	0	0	1	0	0	2
NK/T-cell lymphoma, nasal and nasalttype	0	0	0	0	0	0	0	0	0
Mature T-cell lymphoma, NOS	0	0	0	1	0	0	0	0	1
Synovial sarcoma, NOS	0	0	0	0	0	0	0	0	0
Peripheral neuroectodermal tumor	1	0	0	0	0	0	0	0	1
Marginal zone B-cell lymphoma, NOS	0	0	0	0	0	0	0	1	1
S.C.C. adenoid	1	0	0	0	0	0	0	0	1
Malig. tumor, spindle cell type	0	0	0	0	0	0	0	0	0
Pleomorphic adenoma	0	0	0	0	0	0	0	1	1
Malig. peripheral nerve sheath tumor	0	0	0	1	0	0	0	1	2
Basaloid ca.	0	0	0	0	0	0	0	1	1
<b>Total</b>	<b>1044</b>	<b>175</b>	<b>198</b>	<b>352</b>	<b>98</b>	<b>153</b>	<b>122</b>	<b>285</b>	<b>2427</b>

Nasal cavity, etc.: nasal cavity and paranasal sinuses (excluding the maxillary sinus). ca., Ca.: carcinoma.  
 NOS: not otherwise specified. S.C.C.: squamous cell carcinoma. malig., Malig.: malignant.  
 undiff.: undifferentiated. quest.: questionable. kerat.: keratinizing.  
 nonkerat.: nonkeratinizing.

Head and Neck Cancer ----- 11716 Cases

## T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	N3a	N3b	NX	N-	Total
T0	13	5	1	0	3	0	1	0	0	1	0	24
T1	1525	130	25	37	182	43	24	1	8	6	2	1983
T1a	553	0	0	0	0	0	0	0	0	2	1	556
T1b	194	1	0	0	0	2	0	0	0	0	0	197
T2	1926	366	37	59	637	179	54	0	8	4	10	3280
T2a	1	0	0	0	0	0	0	0	0	0	0	1
T3	816	231	37	20	371	229	38	0	7	7	1	1757
T4	79	27	43	1	30	12	5	0	12	1	2	212
T4a	775	268	6	24	662	384	35	1	1	4	6	2166
T4b	146	23	0	3	90	81	13	0	0	4	1	361
Tis	280	0	1	0	1	0	0	0	0	5	0	287
TX	19	3	1	5	10	1	1	0	0	82	0	122
T-	24	3	0	0	8	1	0	0	0	1	733	770
<b>Total</b>	<b>6351</b>	<b>1057</b>	<b>151</b>	<b>149</b>	<b>1994</b>	<b>932</b>	<b>171</b>	<b>2</b>	<b>36</b>	<b>117</b>	<b>756</b>	<b>11716</b>

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	11	4	1	0	3	0	0	0	0	1	0	20
T1	1511	126	22	37	173	36	20	1	7	3	2	1938
T1a	549	0	0	0	0	0	0	0	0	0	1	550
T1b	192	1	0	0	0	1	0	0	0	0	0	194
T2	1906	359	32	58	612	170	46	0	5	1	9	3198
T2a	1	0	0	0	0	0	0	0	0	0	0	1
T3	795	221	35	18	358	206	31	0	4	2	1	1671
T4	74	23	35	1	25	10	2	0	7	0	0	177
T4a	751	256	4	22	617	345	28	0	1	2	3	2029
T4b	131	18	0	2	84	64	9	0	0	1	0	309
Tis	277	0	1	0	1	0	0	0	0	0	0	279
TX	18	3	0	5	9	0	1	0	0	10	0	46
T-	24	3	0	0	8	1	0	0	0	0	1	37
<b>Total</b>	<b>6240</b>	<b>1014</b>	<b>130</b>	<b>143</b>	<b>1890</b>	<b>833</b>	<b>137</b>	<b>1</b>	<b>24</b>	<b>20</b>	<b>17</b>	<b>10449</b>

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 (M1 Cases)

	N0	N1	N2	N2a	N2b	N2c	N3	N3b	NX	N-	Total
T0	1	1	0	0	0	0	1	0	0	0	3
T1	2	2	3	0	7	7	3	1	0	0	25
T1b	0	0	0	0	0	1	0	0	0	0	1
T2	10	4	5	1	20	8	8	3	0	0	59
T3	10	10	2	2	11	21	6	3	0	0	65
T4	3	2	5	0	3	2	3	5	0	0	23
T4a	16	11	2	1	38	33	4	0	1	1	107
T4b	9	4	0	1	6	16	2	0	0	1	39
TX	1	0	0	0	0	1	0	0	0	0	2
<b>Total</b>	<b>52</b>	<b>34</b>	<b>17</b>	<b>5</b>	<b>85</b>	<b>89</b>	<b>27</b>	<b>12</b>	<b>1</b>	<b>2</b>	<b>324</b>

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	NX	N-	Total
T0	1	0	0	0	0	0	0	0	0	0	1
T1	12	2	0	0	2	0	1	0	3	0	20
T1a	4	0	0	0	0	0	0	0	2	0	6
T1b	2	0	0	0	0	0	0	0	0	0	2
T2	10	3	0	0	5	1	0	0	3	1	23
T3	11	0	0	0	2	2	1	0	5	0	21
T4	2	2	3	0	2	0	0	0	1	2	12
T4a	8	1	0	1	7	6	3	1	1	2	30
T4b	6	1	0	0	0	1	2	0	3	0	13
Tis	3	0	0	0	0	0	0	0	5	0	8
TX	0	0	1	0	1	0	0	0	72	0	74
T-	0	0	0	0	0	0	0	0	1	732	733
<b>Total</b>	<b>59</b>	<b>9</b>	<b>4</b>	<b>1</b>	<b>19</b>	<b>10</b>	<b>7</b>	<b>1</b>	<b>96</b>	<b>737</b>	<b>943</b>

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 ----- 11716 Cases

## Treatment Method for the Primary Lesion by Primary Site

Treatment Method	(1) Oral cavity	(2) Larynx	(3) Hypopharynx	(4) Oropharynx	(5) Nasopharynx	(6) Nasal cavity, etc	(7) Maxillary sinus	(8) Major salivary glands	Total
Surgery									
without	217	979	897	766	271	140	190	40	3500
with	2239	1152	1259	922	73	224	222	524	6615
unknown	459	251	333	262	38	56	55	96	1550
Radiotherapy									
without	1548	523	695	473	29	106	67	244	3685
with	908	1608	1461	1215	315	258	345	320	6430
unknown	459	251	333	262	38	56	55	96	1550
Chemotherapy									
without	1533	1119	801	585	50	154	96	371	4709
with	923	1012	1355	1103	294	210	316	193	5406
unknown	459	251	333	262	38	56	55	96	1550
Total	2915	2382	2489	1950	382	420	467	660	11665

51 patients were no reported Treatment Method for the Primary Lesion by Primary Site

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) Hypopharynx	(4) Oropharynx	(5) Nasopharynx	(6) Nasal cavity, etc	(7) Maxillary sinus	(8) Major salivary glands	Total
Surgery									
without	1027	1250	1135	953	268	261	244	172	5310
with	1311	689	942	707	62	66	131	365	4273
unknown	553	443	415	298	49	92	82	116	2048
Radiotherapy									
without	1614	1193	842	585	66	232	216	294	5042
with	724	746	1235	1075	264	95	159	243	4541
unknown	553	443	415	298	49	92	82	116	2048
Chemotherapy									
without	1587	1291	894	668	76	226	214	371	5327
with	751	648	1183	992	254	101	161	166	4256
unknown	553	443	415	298	49	92	82	116	2048
Total	2891	2382	2492	1958	379	419	457	653	11631

85 patients were no reported Treatment Method for the Cervical Lymph Nodes by Primary Site.

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

Head and Neck Cancer ----- 11716 Cases

Sequence of Treatment Methods for the Primary Lesion by Primary Site

Sequence of treatment methods	(1) Oral cavity	(2) Larynx	(3) Hypopharynx	(4) Oropharynx	(5) Nasopharynx	(6) Nasal cavity, etc	(7) Maxillary sinus	(8) Major salivary glands	Total
No treatment	62	34	45	44	9	10	11	10	225
A) Surg. alone	1604	570	639	420	7	94	46	270	3650
F)(Rad.+Chem.)	81	427	553	523	184	53	138	5	1964
B) Rad. alone	79	790	210	161	47	44	28	22	1381
A)B) Surg.->Rad.	95	66	72	71	0	47	28	152	531
A)F) Surg.->(Rad.+Chem.)	142	47	114	79	0	15	19	50	466
C)F) Chem. -> (Rad.+Chem.)	16	28	161	132	20	12	17	3	389
C)A) Chem.->Surg.	110	22	60	42	0	3	4	0	241
C) Chem. alone	24	19	64	41	20	10	13	12	203
F)C)(Rad.+Chem.)->Chem.	7	4	27	27	39	11	15	1	131
F)A)(Rad.+Chem.)->Surg.	17	14	24	12	1	5	25	1	99
C)B) Chem.->Rad.	13	9	23	26	4	10	4	2	91
A)C) Surg. -> Chem	36	9	19	13	0	8	0	3	88
C)A)F) Chem.->Surg.->(Rad.+Chem.)	26	4	30	19	0	1	8	0	88
C)A)B) Chem.->Surg.->Rad.	28	2	13	7	0	4	4	1	59
A)A) Surg.->Surg.	15	12	6	5	0	2	1	4	45
B)A) Rad.->Surg.	6	21	2	4	0	1	3	1	38
C)F)C) Chem.-> (Rad.+Chem.)->Chem.	1	2	13	10	3	3	1	0	33
B)C) Rad.->Chem.	2	4	4	6	1	8	0	1	26
A)F)C) Surg.->(Rad.+Chem.)->Chem.	11	2	6	1	0	1	3	1	25
C)A)C) Chem.->Surg.->Chem.	8	5	4	5	0	0	1	0	23
A)B)C) Surg.->Rad.->Chem.	4	3	3	0	0	2	3	7	22
G)Surg.+Rad.+Chem.	7	3	8	2	0	0	2	0	22
C)C)F) Chem.->Chem.->(Rad.+Chem.)	0	1	11	5	1	1	1	0	20
D)(Surg.+Rad.)	4	1	5	0	1	3	0	1	15
C)C)C) Chem.->Chem.->Chem.	1	0	4	4	0	2	0	2	13
C)F)A) Chem.-> (Rad.+Chem.)->Surg.	1	2	4	1	0	0	5	0	13
C)C) Chem.->Chem.	2	0	2	3	1	0	2	2	12
F)A)C)(Rad.+Chem.)->Surg->Chem.	6	0	1	1	0	0	4	0	12
A)D) Surg.-> (Surg.+Rad.)	3	1	1	2	0	1	1	2	11
F)A)B)(Rad.+Chem.)->Surg->Rad.	6	1	1	2	0	0	1	0	11
Other	40	29	28	22	6	13	24	12	174
Unknown	458	250	332	260	38	56	55	95	1544
<b>Total</b>	<b>2915</b>	<b>2382</b>	<b>2489</b>	<b>1950</b>	<b>382</b>	<b>420</b>	<b>467</b>	<b>660</b>	<b>11665</b>

51 patients were no reported Treatment Method for the Primary Lesion by Primary Site

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 ----- 11716 Cases

**Surgical Methods for the Primary Lesion by Primary Site**

Surgical method	(1) Oral cavity	(2) Larynx	(3) Hypopharynx	(4) Oropharynx	(5) Nasopharynx	(6) Nasal cavity, etc	(7) Maxillary sinus	(8) Major salivary glands	Total
V9 Unknown	579	773	734	609	161	109	143	124	3232
X0 No surgery	186	819	752	673	212	123	154	36	2955
A1 Partial glossectomy	866	0	0	2	0	0	0	0	868
G5 Total laryngectomy	0	411	10	6	0	0	0	0	427
Others	53	49	54	67	7	98	22	44	394
F5 Total pharyngolaryngectomy	0	15	308	2	0	0	0	0	325
E3 Unilateral resection of the lateral wall of the oropharynx	0	0	0	270	0	0	0	0	270
G2 Transoral resection	0	244	15	2	0	0	0	0	261
F2 Transoral resection	1	14	206	7	0	0	0	0	228
F1 Endoscopic resection	0	2	213	5	0	0	0	0	220
D1 Partial maxillectomy	121	0	0	0	0	24	39	0	184
A5 Subtotal glossectomy	170	0	0	9	0	0	0	1	180
F6 Total pharyngolaryngo-esophagectomy	0	7	167	3	0	0	0	0	177
C2 Resection of the floor of mouth	166	0	0	0	0	0	0	3	169
B2 Segmental mandibulectomy	152	0	0	2	0	0	2	0	156
C4 Resection of the buccal mucosa	146	0	0	1	0	0	0	0	147
H4 Total parotidectomy	0	0	0	0	0	0	0	134	134
H6 Submandibulectomy	0	0	0	0	0	0	0	128	128
D2 Total maxillectomy	16	0	0	0	0	3	94	0	113
A4 Hemiglossectomy	105	0	0	1	0	0	0	0	106
B1 Marginal mandibulectomy	100	0	0	1	0	0	2	0	103
H2 Superficial parotidectomy	0	0	0	0	0	0	0	102	102
E9 Resection of the oropharynx, other type	0	0	2	85	0	0	0	0	87
A2 Hemiglossectomy (anterior 2/3rds)	84	0	0	0	0	0	0	0	84
D9 Maxillectomy, other type	5	0	0	0	0	62	11	0	78
C9 Resection of oral cavity, NOS	66	0	0	3	0	0	0	0	69
E8 Resection of the soft palate	0	0	0	65	2	0	0	0	67
E1 Resection of the root of tongue 0	0	0	0	66	0	0	0	0	66
G1 Endoscopic resection	0	48	13	1	0	1	0	0	63
H5 Extended total parotidectomy	0	0	0	0	0	0	0	54	54
E6 Resection of the posterior wall	0	0	0	48	0	0	0	0	48
A3 Subtotal glossectomy (anterior 2/3rds)	42	0	0	0	0	0	0	1	43
A6 Total glossectomy	27	0	0	11	0	0	0	0	38
E4 Unilateral resection of the lateral wall of the oropharynx and soft	0	0	0	36	0	0	0	0	36
C3 Resection of lower gingiva	34	0	0	0	0	0	0	0	34
F4 Total laryngectomy+Partial pharyngectomy	0	4	30	0	0	0	0	0	34
H1 Partial parotidectomy	0	0	0	0	0	0	0	34	34
Total	2919	2386	2504	1975	382	420	467	661	11714

2 patients were no reported Surgical Methods for the Primary Lesion by Primary Site

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

NOS: not otherwise specified.

Head and Neck Cancer ----- 11716 Cases

Reconstructive Surgery by Primary Site

Reconstructive surgery	(1) Oral cavity	(2) Larynx	(3) Hypopharynx	(4) Oropharynx	(5) Nasopharynx	(6) Nasal cavity, etc	(7) Maxillary sinus	(8) Major salivary glands	Total
0) No reconstruction	1550	1840	1590	1451	316	303	294	433	7777
B) Free jejunal flap	2	26	442	13	0	0	0	0	483
E) Free ALT flap	241	9	19	58	0	9	17	25	378
D) Free RA MC flap	219	1	2	61	0	4	55	9	351
C) Free FA flap	134	3	12	25	0	2	7	5	188
5) PM MC flap	56	16	10	11	0	0	1	8	102
G) Free fibular OC flap	56	0	0	0	0	1	5	2	64
1) Skin graft	52	0	0	0	0	2	3	2	59
2) Local skin flap	22	4	1	2	0	7	0	5	41
I) Free nerve graft	0	0	0	0	0	0	0	40	40
F) Free scapular OC flap	26	0	0	1	0	0	2	0	29
4) DP flap	5	4	3	2	0	1	0	5	20
3) Mucosal flap	3	0	1	5	0	4	1	1	15
7) Gastric pull-up	0	1	14	0	0	0	0	0	15
8) Others	54	1	0	7	0	8	6	4	83
9) Unknown	499	482	410	340	66	79	76	119	2071
Total	2919	2387	2504	1976	382	420	467	661	11716

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

RA: rectus abdominis.

MC: musclocutaneous.

ALT: anterolateral thigh.

FA: forearm.

PM: pectoralis major.

OC: osteocutaneous.

DP: deltopectoral.

## Head and Neck Cancer ----- 11716 Cases

### Neck Dissection on the Ipsilateral Side by Primary Site

Neck dissection	(1) Oral cavity	(2) Larynx	(3) Hypopharynx	(4) Oropharynx	(5) Nasopharynx	(6) Nasal cavity, etc	(7) Maxillary sinus	(8) Major salivary glands	Total
0) No N.D.	1086	1193	1078	908	226	265	237	195	5188
1) Total N.D.	404	90	244	190	4	8	22	103	1065
2) Selective N.D.	727	288	450	283	5	14	62	199	2028
3) Lymph node excision	11	5	1	4	0	0	2	9	32
8) Others	21	10	8	3	0	8	4	11	65
9) Unknown	670	801	723	588	147	125	140	144	3338
<b>Total</b>	<b>2919</b>	<b>2387</b>	<b>2504</b>	<b>1976</b>	<b>382</b>	<b>420</b>	<b>467</b>	<b>661</b>	<b>11716</b>

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

N.D.: neck dissection.

### Neck Dissection on the Contralateral Side by Primary Site

Neck dissection	(1) Oral cavity	(2) Larynx	(3) Hypopharynx	(4) Oropharynx	(5) Nasopharynx	(6) Nasal cavity, etc	(7) Maxillary sinus	(8) Major salivary glands	Total
0) No N.D.	1848	1315	1270	1272	234	286	311	494	7030
1) Total N.D.	55	47	118	31	0	2	5	3	261
2) Selective N.D.	321	213	383	80	1	2	8	6	1014
3) Lymph node excision	4	2	0	0	0	0	0	2	8
8) Others	13	9	8	3	0	3	2	8	46
9) Unknown	678	801	725	590	147	127	141	148	3357
<b>Total</b>	<b>2919</b>	<b>2387</b>	<b>2504</b>	<b>1976</b>	<b>382</b>	<b>420</b>	<b>467</b>	<b>661</b>	<b>11716</b>

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

N.D.: neck dissection.

Head and Neck Cancer ----- 11716 Cases

Radiotherapy by Primary Site

Type of radiotherapy	(1) Oral cavity	(2) Larynx	(3) Hypopharynx	(4) Oropharynx	(5) Nasopharynx	(6) Nasal cavity, etc	(7) Maxillary sinus	(8) Major salivary glands	Total
0) No radiotherapy	1594	522	705	494	28	101	60	247	3751
1) X-ray (and/or electron beam)	577	1443	1324	1116	294	202	319	252	5527
2) Particle beam	5	1	2	1	0	33	14	12	68
3) B.T.	25	0	0	0	0	1	0	0	26
4) X-ray + Particle beam	0	1	0	1	0	0	0	1	3
5) X-ray + B.T.	0	0	0	0	0	0	0	0	0
6) Particl beam + B.T.	0	0	0	0	0	0	0	0	0
7) X-ray + Particl beam + B.T.	0	0	0	0	0	0	0	0	0
8) Others	1	0	0	0	0	1	1	0	3
9) Unknown	717	420	473	364	60	82	73	149	2338
Total	2919	2387	2504	1976	382	420	467	661	11716

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

B.T.: brachytherapy.

Head and Neck Cancer ----- 11716 Cases

Chemotherapy by Primary site

Route of administration	(1) Oral cavity	(2) Larynx	(3) Hypopharynx	(4) Oropharynx	(5) Nasopharynx	(6) Nasal cavity, etc	(7) Maxillary sinus	(8) Major salivary glands	Total
0) No chemotherapy	1693	1339	899	661	55	183	106	427	5363
1) I.V.	393	501	1056	899	255	143	124	89	3460
2) I.A.	64	7	10	19	1	8	117	3	229
3) Oral	98	111	73	38	2	2	9	9	342
4) I.V.+I.A.	11	1	4	3	0	0	24	0	43
5) I.V.+Oral	25	11	31	28	9	3	7	4	118
6) I.A.+Oral	3	0	0	1	0	0	3	0	7
7) I.V.+I.A.+Oral	1	0	0	0	0	0	1	0	2
8) Others	1	0	0	1	0	2	0	0	4
9) Unknown	630	417	431	326	60	79	76	129	2148
<b>Total</b>	<b>2919</b>	<b>2387</b>	<b>2504</b>	<b>1976</b>	<b>382</b>	<b>420</b>	<b>467</b>	<b>661</b>	<b>11716</b>

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

I.V.: intravenous.

I.A.: intraarterial.

# Oral Cavity (2016)

2919 Cases



## Primary Site

Site	Number of patients	(%)
1) Lip	28	( 1.0 )
2) Buccal mucosa	194	( 6.6 )
3) Retro-molar area	57	( 2.0 )
4) Lower gingiva	392	( 13.4 )
5) Upper gingiva	239	( 8.2 )
6) Hard palate	78	( 2.7 )
7) Floor of mouth	303	( 10.4 )
8) Tongue	1619	( 55.5 )
9) Oral cavity, NOS	9	( 0.3 )
<b>Total</b>	<b>2919</b>	<b>( 100 )</b>

NOS: not otherwise specified

## Age Distribution by Gender

Age	Male	Female	Total
0 - 9	0	0	0
10 - 19	2	1	3
20 - 29	28	20	48
30 - 39	53	48	101
40 - 49	164	80	244
50 - 59	277	123	400
60 - 69	574	245	819
70 - 79	541	255	796
80 - 89	218	240	458
90 - 99	18	32	50
100 - 109	0	0	0
<b>Total</b>	<b>1875</b>	<b>1044</b>	<b>2919</b>

## Carcinoma of the Lip

### Age Distribution by Gender

Age	Male	Female	Total
0 - 9	0	0	
10 - 19	0	0	0
20 - 29	1	0	1
30 - 39	1	1	2
40 - 49	2	0	2
50 - 59	3	1	4
60 - 69	1	4	5
70 - 79	5	2	7
80 - 89	1	4	5
90 - 99	1	1	2
100 - 109	0	0	0
Total	15	13	28

## 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	1	0	1
30 - 39	1	1	2
40 - 49	4	1	5
50 - 59	5	6	11
60 - 69	32	9	41
70 - 79	47	36	83
80 - 89	24	21	45
90 - 99	2	4	6
100 - 109	0	0	0
Total	116	78	194

## 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	1	2
40 - 49	2	0	2
50 - 59	7	1	8
60 - 69	10	1	11
70 - 79	19	4	23
80 - 89	5	4	9
90 - 99	2	0	2
100 - 109	0	0	0
<b>Total</b>	<b>46</b>	<b>11</b>	<b>57</b>

## 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	2	1	3
30 - 39	0	0	0
40 - 49	15	5	20
50 - 59	32	13	45
60 - 69	63	44	107
70 - 79	68	48	116
80 - 89	41	48	89
90 - 99	5	7	12
100 - 109	0	0	0
<b>Total</b>	<b>226</b>	<b>166</b>	<b>392</b>

## 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	1	0	1
30 - 39	1	1	2
40 - 49	4	2	6
50 - 59	11	7	18
60 - 69	34	27	61
70 - 79	41	33	74
80 - 89	31	41	72
90 - 99	2	3	5
100 - 109	0	0	0
Total	125	114	239

## Carcinoma of the Hard Palate

### Age Distribution by Gender

Age	Male	Female	Total
0 - 9	0	0	0
10 - 19	0	0	0
20 - 29	0	2	2
30 - 39	2	0	2
40 - 49	3	0	3
50 - 59	3	1	4
60 - 69	12	11	23
70 - 79	16	6	22
80 - 89	6	11	17
90 - 99	2	3	5
100 - 109	0	0	0
Total	44	34	78

## 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	1	2	3
40 - 49	11	4	15
50 - 59	42	8	50
60 - 69	108	25	133
70 - 79	61	11	72
80 - 89	18	11	29
90 - 99	0	1	1
100 - 109	0	0	0
<b>Total</b>	<b>241</b>	<b>62</b>	<b>303</b>

## Carcinoma of the Tongue

### Age Distribution by Gender

Age	Male	Female	Total
0 - 9	0	0	0
10 - 19	2	1	3
20 - 29	23	17	40
30 - 39	46	41	87
40 - 49	122	68	190
50 - 59	174	85	259
60 - 69	314	122	436
70 - 79	283	113	396
80 - 89	92	99	191
90 - 99	4	13	17
100 - 109	0	0	0
<b>Total</b>	<b>1060</b>	<b>559</b>	<b>1619</b>

# 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	0	0	0
30 - 39	0	1	1
40 - 49	1	0	1
50 - 59	0	1	1
60 - 69	0	2	2
70 - 79	1	2	3
80 - 89	0	1	1
90 - 99	0	0	0
100 - 109	0	0	0
<b>Total</b>	<b>2</b>	<b>7</b>	<b>9</b>

Carcinoma of the Oral Cavity ----- 2919 Cases

Histological Distribution by Subsite

Histologic type	(1) Lip	(2) Buccal mucosa	(3) Retromolar area	(4) Lower gingiva	(5) Upper gingiva	(6) Hard palate	(7) Floor of mouth	(8) Tongue	(9) Oral cavity, NOS	Total
Acinar cell ca.	0	1	0	0	0	1	0	0	0	2
Adenoca., NOS	1	3	0	1	1	2	0	4	0	12
Adenoid cystic ca.	1	4	0	0	2	6	6	5	0	24
Adenosquamous ca.	0	0	0	0	0	0	1	3	0	4
Basal cell ca., NOS	2	0	0	0	0	0	0	0	0	2
Basaloid squamous cell ca.	0	1	0	0	0	0	1	1	0	3
Ca. ex pleomorphic adenoma	0	0	0	0	0	2	0	0	0	2
Ca., NOS	0	1	0	2	2	0	1	4	0	10
Ca., undifferentiated, NOS	0	0	0	0	1	0	1	0	0	2
Carcinosarcoma, NOS	0	0	0	0	0	0	0	2	0	2
Clear cell carcinoma, NOS	0	3	0	0	0	1	0	0	0	4
Epithelial-myoepithelial carcinoma	0	0	0	0	0	2	0	0	0	2
Malig. lymphoma, NOS	0	1	0	0	1	0	0	0	0	2
Malig. melanoma, NOS	1	0	0	2	10	7	0	0	0	20
Mucoepidermoid carcinoma	2	3	2	4	1	5	3	6	0	26
Myoepithelial carcinoma	0	0	0	0	1	1	0	0	1	3
Neoplasm, malig.	0	1	0	0	1	0	0	1	0	3
Osteosarcoma, NOS	0	0	0	1	2	0	0	0	0	3
Papillary S.C.C.	0	0	0	0	0	0	0	1	0	1
Rhabdomyosarcoma, NOS	0	0	1	0	0	0	0	1	0	2
Salivary duct carcinoma	0	0	1	0	1	2	0	0	0	4
Spindle cell carcinoma, NOS	0	0	0	0	0	0	0	2	0	2
S.C.C. in situ with questionable stromal invasion	0	1	0	0	0	1	0	2	0	4
S.C.C. in situ, NOS	0	7	0	2	1	3	12	44	0	69
S.C.C., kerat., NOS	1	15	4	18	12	3	13	73	0	139
S.C.C., large cell, nonkerat., NOS	0	0	0	2	0	0	0	2	0	4
S.C.C., microinvasive	1	3	1	2	1	0	0	9	0	17
S.C.C., NOS	16	147	48	355	199	40	262	1437	8	2512
S.C.C., small cell, nonkerat.	0	1	0	0	0	0	0	0	0	1
S.C.C., spindle cell	0	0	0	0	0	0	1	2	0	3
Transitional cell ca., NOS	0	0	0	0	0	0	0	1	0	1
Verrucous ca., NOS	3	2	0	3	3	1	2	18	0	32
Peripheral neuroectodermal tumor	0	0	0	0	0	1	0	0	0	1
S.C.C., adenoid	0	0	0	0	0	0	0	1	0	1
<b>Total</b>	<b>28</b>	<b>194</b>	<b>57</b>	<b>392</b>	<b>239</b>	<b>78</b>	<b>303</b>	<b>1619</b>	<b>9</b>	<b>2919</b>

ca., Ca.: carcinoma.

NOS: not otherwise specified.

S.C.C.: squamous cell carcinoma.

malig., Malig.: malignant.

kerat.: keratinizing.

nonkerat.: nonkeratinizing.

Carcinoma of the Oral Cavity ----- 2919 Cases

## T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
Tis	45	0	0	0	0	0	0	1	0	46
T0	3	2	0	0	1	0	0	0	0	6
T1	657(1)	25(1)	0	1	20	3	3	2	0	711
T2	642(1)	122	0	4	102	18(2)	6(1)	0	4	898
T3	109(1)	31(1)	1	2	54	19(2)	4	3	0	223
T4	20	3	0	0	7(1)	3(1)	0	1	0	34
T4a	250(1)	104(1)	0	4	226(5)	112(6)	6	1	1	704
T4b	16(1)	5	0	1	28(2)	9	3(1)	2	0	64
TX	6	1	0	1	1	1(1)	0	22	0	32
T-	3	0	0	0	1	0	0	0	197	201
Total	1751	293	1	13	440	165	22	32	202	2919

M1:30 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
Tis	0	0	0	0	0	0	0	0	0	0
T0	0	0	0	0	0	0	0	0	0	0
T1	14	0	0	0	0	0	0	0	0	14
T2	7	1	0	0	0	0	0	0	0	8
T3	1	2	0	0	0	0	0	0	0	3
T4	0	0	0	0	0	0	0	0	0	0
T4a	0	0	0	0	0	1	0	0	0	1
T4	0	0	0	0	0	0	0	0	0	0
TX	0	0	0	0	0	0	0	0	0	0
T-	0	0	0	0	1	0	0	0	1	2
Total	22	3	0	0	1	1	0	0	1	28

M1:0 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 Buccal mucosa

### 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
T0	0	0	0	0	0	0	0	0	0	0
T1	44	2	0	0	1	0	0	0	0	47
T2	61	11	0	0	11	1	0	0	1	85
T3	11	0	0	0	1	0	1	0	0	13
T4	2	0	0	0	1	0	0	0	0	3
T4a	7	4	0	0	9	0	0	0	0	20
T4b	0	1	0	0	4(1)	0	0	0	0	5
TX	0	1	0	0	0	0	0	0	0	1
T-	0	0	0	0	0	0	0	0	18	18
Total	127	19	0	0	27	1	1	0	19	194

M1:1 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 Retromolar Area

### T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
Tis	1	0	0	0	0	0	0	0	0	1
T0	0	0	0	0	0	0	0	0	0	0
T1	6	1	0	0	0	0	0	0	0	7
T2	16	2	0	0	4	1	0	0	0	23
T3	0	0	0	0	4	2	0	0	0	6
T4	0	0	0	0	0	0	0	0	0	0
T4a	8	2	0	0	4	0	0	0	0	14
T4b	2	0	0	0	1	0	0	0	0	3
TX	0	0	0	0	0	0	0	0	0	0
T-	0	0	0	0	0	0	0	0	3	3
Total	33	5	0	0	13	3	0	0	3	57

M1:0 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 Lower Gingiva

### 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
T0	1	0	0	0	0	0	0	0	0	1
T1	37	2	0	0	5	0	1	0	0	45
T2	57	7	0	0	9	1	0	0	0	74
T3	11	1	1	1	3	1(1)	0	1	0	19
T4	9	2	0	0	0	0	0	1	0	12
T4a	66	28	0	0	61	20(2)	0	1	0	176
T4b	8(1)	2	0	0	10	2	2(1)	1	0	25
TX	2	0	0	0	0	0	0	2	0	4
T-	0	0	0	0	1	0	0	0	33	34
Total	193	42	1	1	89	24	3	6	33	392

M1:5 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 Upper Gingiva

### T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
Tis	1	0	0	0	0	0	0	0	0	1
T0	0	0	0	0	0	0	0	0	0	0
T1	16	0	0	0	2	0	0	0	0	18
T2	27	1	0	1	5	0	0	0	1	35
T3	16	3	0	0	3	3	0	0	0	25
T4	4	0	0	0	2	0	0	0	0	6
T4a	62	17(1)	0	1	25(1)	10	1	0	1	117
T4b	3	2	0	0	7(1)	4	0	0	0	16
TX	0	0	0	0	0	0	0	0	0	0
T-	0	0	0	0	0	0	0	0	21	21
Total	129	23	0	2	44	17	1	0	23	239

M1:3 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 Hard Palate

### 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
T0	0	0	0	0	0	0	0	0	0	0
T1	15	0	0	0	1	0	0	0	0	16
T2	19	1	0	0	1	1(1)	0	0	0	22
T3	8(1)	2(1)	0	0	0	1	0	0	0	11
T4	1	0	0	0	0	0	0	0	0	1
T4a	10	1	0	0	1	1	0	0	0	13
T4b	3	0	0	1	1	1	0	0	0	6
TX	1	0	0	0	0	1(1)	0	0	0	2
T-	0	0	0	0	0	0	0	0	5	5
<b>Total</b>	<b>59</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>78</b>

M1:4 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 Floor Mouth

### T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	0	1	0	0	0	0	0	0	0	1
T1	57	6(1)	0	0	5	1	2	0	0	71
T2	69(1)	14	0	2	9	4	3(1)	0	0	101
T3	6	4	0	1	7	3	0	0	0	21
T4	2	0	0	0	1(1)	2(1)	0	0	0	5
T4a	23	9	0	1	22(1)	19(1)	0	0	0	74
T4b	0	0	0	0	2	0	0	0	0	2
Tis	5	0	0	0	0	0	0	0	0	5
TX	0	0	0	0	0	0	0	2	0	2
T-	0	0	0	0	0	0	0	0	21	21
<b>Total</b>	<b>162</b>	<b>34</b>	<b>0</b>	<b>4</b>	<b>46</b>	<b>29</b>	<b>5</b>	<b>2</b>	<b>21</b>	<b>303</b>

M1:7 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 Tongue

### T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	2	1	0	0	1	0	0	0	0	4
T1	468(1)	14	0	1	6	2	0	2	0	493
T2	385	85	0	1	62	10(1)	3	0	2	548
T3	56	19	0	0	35	9(1)	3	2	0	124
T4	2	1	0	0	3	1	0	0	0	7
T4a	73(1)	41	0	2	103(3)	61(3)	5	0	0	285
T4b	0	0	0	0	3	2	1	1	0	7
Tis	32	0	0	0	0	0	0	1	0	33
TX	3	0	0	0	0	0	0	16	0	19
T-	3	0	0	0	0	0	0	0	96	99
<b>Total</b>	<b>1024</b>	<b>161</b>	<b>0</b>	<b>4</b>	<b>213</b>	<b>85</b>	<b>12</b>	<b>22</b>	<b>98</b>	<b>1619</b>

M1:10 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 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
T1	0	0	0	0	0	0	0	0	0	0
T2	1	0	0	0	1	0	0	0	0	2
T3	0	0	0	0	1	0	0	0	0	1
T4	0	0	0	0	0	0	0	0	0	0
T4a	1	2	0	0	1	0	0	0	0	4
T4b	0	0	0	0	0	0	0	0	0	0
Tis	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	1	0	0	0	0	1	2
<b>Total</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>9</b>

M1:0 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 Oral Cavity ----- 2919 Cases

## Treatment Method for the Primary Lesion by Subsite

Treatment Method	(1) Lip	(2) Buccal mucosa	(3) Retromolar area	(4) Lower gingiva	(5) Upper gingiva	(6) Hard palate	(7) Floor of mouth	(8) Tongue	(9) Oral cavity, NOS	Total
Surgery										
without	4	12	5	32	39	18	26	80	1	217
with	21	149	47	278	148	51	228	1309	8	2239
unknown	3	33	5	82	50	9	48	229	0	459
Radiotherapy										
without	18	100	30	181	95	43	150	927	4	1548
with	7	61	22	129	92	26	104	462	5	908
unknown	3	33	5	82	50	9	48	229	0	459
Chemotherapy										
without	17	101	31	182	102	49	149	896	6	1533
with	8	60	21	128	85	20	105	493	3	923
unknown	3	33	5	82	50	9	48	229	0	459
Total	28	194	57	392	237	78	302	1618	9	2915

4 patients were no reported Treatment Method for the Primary Lesion by Subsite

NOS: not otherwise specified.

Carcinoma of the Oral Cavity ----- 2919 Cases

## Treatment Method for the Cervical Lymph Nodes by Subsite

Treatment Method	(1) Lip	(2) Buccal mucosa	(3) Retromolar area	(4) Lower gingiva	(5) Upper gingiva	(6) Hard palate	(7) Floor of mouth	(8) Tongue	(9) Oral cavity, NOS	Total
Surgery										
without	15	78	15	77	100	46	92	602	2	1027
with	10	72	36	220	81	18	148	720	6	1311
unknown	3	39	5	92	58	13	60	282	1	553
Radiotherapy										
without	20	107	30	190	116	53	155	939	4	1614
with	5	43	21	107	65	11	85	383	4	724
unknown	3	39	5	92	58	13	60	282	1	553
Chemotherapy										
without	18	103	31	188	118	54	157	912	6	1587
with	7	47	20	109	63	10	83	410	2	751
unknown	3	39	5	92	58	13	60	282	1	553
Total	28	189	56	389	239	77	300	1604	9	2891

28 patients were no reported Treatment Method for the Cervical Lymph Nodes by Subsite.

NOS: not otherwise specified.

Carcinoma of the Oral Cavity ----- 2919 Cases

Sequence of Treatment Methods for the Primary Lesion by Subsite

Sequence of treatment methods	(1) Lip	(2) Buccal mucosa	(3) Retromolar area	(4) Lower gingiva	(5) Upper gingiva	(6) Hard palate	(7) Floor of mouth	(8) Tongue	(9) Oral cavity, NOS	Total
No treatment	2	2	2	11	6	4	10	25	0	62
A) Surg. alone	19	107	29	173	86	32	156	998	4	1604
A)F) Surg.->(Rad.+Chem.)	0	10	1	19	8	1	26	77	0	142
C)A) Chem.->Surg.	1	9	4	18	3	5	13	57	0	110
A)B) Surg.->Rad.	0	7	4	19	9	4	10	40	2	95
F)(Rad.+Chem.)	0	3	3	11	22	5	5	31	1	81
B) Rad. alone	1	6	1	14	12	10	6	28	1	79
A)C) Surg. -> Chem	1	2	1	7	4	1	1	19	0	36
C)A)B) Chem.->Surg.->Rad.	0	1	0	5	2	0	5	15	0	28
C)A)F) Chem.->Surg.->(Rad.+Chem.)	0	2	2	4	2	0	1	14	1	26
C) Chem. alone	0	1	0	4	3	1	5	10	0	24
F)A)(Rad.+Chem.)->Surg.	0	1	0	6	7	0	1	2	0	17
C)F) Chem. -> (Rad.+Chem.)	0	3	0	1	3	0	2	7	0	16
A)A) Surg.->Surg.	0	2	0	2	0	1	1	9	0	15
C)B) Chem.->Rad.	1	2	0	2	0	1	2	5	0	13
A)F)C) Surg.->(Rad.+Chem.)->Chem.	0	0	1	2	0	0	1	7	0	11
+ Other	0	3	4	12	20	4	9	46	0	98
Unknown	3	33	5	82	50	9	48	228	0	458
<b>Total</b>	<b>28</b>	<b>194</b>	<b>57</b>	<b>392</b>	<b>237</b>	<b>78</b>	<b>302</b>	<b>1618</b>	<b>9</b>	<b>2915</b>

4 patients were no reported Treatment Method for the Primary Lesion by Subsite

NOS: not otherwise specified.

Surg.: surgery.

Rad.: radiotherapy.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Oral Cavity ----- 2919 Cases

Surgical Methods for the Primary Lesion by Subsite

Surgical method	(1) Lip	(2) Buccal mucosa	(3) Retromolar area	(4) Lower gingiva	(5) Upper gingiva	(6) Hard palate	(7) Floor of mouth	(8) Tongue	(9) Oral cavity, NOS	Total
X0 No surgery	3	14	4	28	34	17	22	63	1	186
A1 Partial glossectomy	0	0	0	1	0	0	1	864	0	866
A5 Subtotal glossectomy	0	0	0	0	0	0	11	159	0	170
C2 Resection of the floor of mouth	0	1	0	2	0	0	162	1	0	166
B2 Segmental mandibulectomy	0	8	3	122	0	0	17	1	1	152
C4 Resection of the buccal mucosa	0	123	20	0	2	0	0	0	1	146
D1 Partial maxillectomy	0	1	0	0	100	20	0	0	0	121
A4 Hemiglossectomy	0	0	0	0	0	0	3	102	0	105
B1 Marginal mandibulectomy	0	1	5	88	0	0	6	0	0	100
A2 Hemiglossectomy (anterior 2/3rds)	0	0	0	0	0	0	2	82	0	84
C9 Resection of oral cavity, NOS	3	4	14	1	10	19	11	1	3	66
A3 Subtotal glossectomy (anterior 2/3rds)	0	0	0	0	0	0	5	37	0	42
C3 Resection of lower gingiva	0	1	1	31	1	0	0	0	0	34
+ Others	17	4	2	18	18	8	3	30	2	102
V9 Unknown	5	37	8	101	74	14	60	279	1	579
Total	28	194	57	392	239	78	303	1619	9	2919

NOS: not otherwise specified.



Carcinoma of the Oral Cavity ----- 2919 Cases

Reconstructive Surgery by Subsite

Reconstructive surgery	(1) Lip	(2) Buccal mucosa	(3) Retromolar area	(4) Lower gingiva	(5) Upper gingiva	(6) Hard palate	(7) Floor of mouth	(8) Tongue	(9) Oral cavity, NOS	Total
0) No reconstruction	14	104	19	149	138	49	137	935	5	1550
E) Free ALT flap	0	9	15	29	8	2	27	151	0	241
D) Free RA MC flap	0	7	5	33	14	5	24	130	1	219
C) Free FA flap	4	12	7	11	2	1	20	77	0	134
5) PM MC flap	0	3	2	17	0	0	14	20	0	56
G) Free fibular OC flap	0	3	0	35	2	0	14	1	1	56
1) Skin graft	0	13	2	0	22	3	7	5	0	52
F) Free scapular OC flap	0	1	0	22	0	0	1	1	1	26
2) Local skin flap	6	3	0	2	0	0	2	8	1	22
4) DP flap	0	1	0	0	0	0	1	3	0	5
3) Mucosal flap	0	0	0	1	1	0	0	1	0	3
B) Free jejunal flap	0	0	0	0	0	0	0	2	0	2
8) + Others	0	1	2	12	1	6	6	26	0	54
9) Unknown	4	37	5	81	51	12	50	259	0	499
Total	28	194	57	392	239	78	303	1619	9	2919

NOS: not otherwise specified.

RA: rectus abdominis.

MC: musclocutaneous.

ALT: anterolateral thigh.

FA: forearm.

PM: pectoralis major.

OC: osteocutaneous.

DP: deltopectoral.

Carcinoma of the Oral Cavity ----- 2919 Cases

**Neck Dissection on the Ipsilateral Side by Subsite**

Neck dissection	(1) Lip	(2) Buccal mucosa	(3) Retromolar area	(4) Lower gingiva	(5) Upper gingiva	(6) Hard palate	(7) Floor of mouth	(8) Tongue	(9) Oral cavity, NOS	Total
0) No N.D.	14	90	17	79	100	44	92	648	2	1086
1) Total N.D.	1	21	7	67	32	5	50	217	4	404
2) Selective N.D.	7	36	23	131	31	11	83	403	2	727
3) Lymph node excision	0	0	1	0	3	0	2	5	0	11
8) + Others	0	2	0	4	0	0	2	13	0	21
9) Unknown	6	45	9	111	73	18	74	333	1	670
<b>Total</b>	<b>28</b>	<b>194</b>	<b>57</b>	<b>392</b>	<b>239</b>	<b>78</b>	<b>303</b>	<b>1619</b>	<b>9</b>	<b>2919</b>

NOS: not otherwise specified.

N.D.: neck dissection.

**Neck Dissection on the Contralateral Side by Subsite**

Neck dissection	(1) Lip	(2) Buccal mucosa	(3) Retromolar area	(4) Lower gingiva	(5) Upper gingiva	(6) Hard palate	(7) Floor of mouth	(8) Tongue	(9) Oral cavity, NOS	Total
0) No N.D.	21	144	44	219	150	57	148	1060	5	1848
1) Total N.D.	0	1	0	9	1	1	11	32	0	55
2) Selective N.D.	1	2	4	47	15	2	67	180	3	321
3) Lymph node excision	0	0	0	2	0	0	0	2	0	4
8) + Others	0	2	0	4	0	0	2	5	0	13
9) Unknown	6	45	9	111	73	18	75	340	1	678
<b>Total</b>	<b>28</b>	<b>194</b>	<b>57</b>	<b>392</b>	<b>239</b>	<b>78</b>	<b>303</b>	<b>1619</b>	<b>9</b>	<b>2919</b>

NOS: not otherwise specified.

N.D.: neck dissection.

Carcinoma of the Oral Cavity ----- 2919 Cases

**Radiotherapy by Subsite**

Type of radiotherapy	(1) Lip	(2) Buccal mucosa	(3) Retromolar area	(4) Lower gingiva	(5) Upper gingiva	(6) Hard palate	(7) Floor of mouth	(8) Tongue	(9) Oral cavity, NOS	Total
0) No radiotherapy	19	107	32	183	95	42	150	963	3	1594
1) X-ray (and/or electron beam)	2	36	16	94	80	23	67	253	6	577
2) Particle beam	0	0	0	0	1	2	0	2	0	5
3) B.T.	1	2	0	0	0	0	2	20	0	25
8) + Others	0	0	0	0	1	0	0	0	0	1
9) Unknown	6	49	9	115	62	11	84	381	0	717
<b>Total</b>	<b>28</b>	<b>194</b>	<b>57</b>	<b>392</b>	<b>239</b>	<b>78</b>	<b>303</b>	<b>1619</b>	<b>9</b>	<b>2919</b>

NOS: not otherwise specified.

B.T.: brachytherapy.

**Chemotherapy by Subsite**

Route of administration	(1) Lip	(2) Buccal mucosa	(3) Retromolar area	(4) Lower gingiva	(5) Upper gingiva	(6) Hard palate	(7) Floor of mouth	(8) Tongue	(9) Oral cavity, NOS	Total
0) No chemotherapy	20	115	33	196	106	51	167	999	6	1693
1) I.V.	2	27	6	55	32	11	53	205	2	393
2) I.A.	0	2	1	11	24	3	4	19	0	64
3) Oral	1	7	6	16	8	2	10	48	0	98
4) I.V.+I.A.	0	0	0	0	1	0	1	9	0	11
5) I.V.+Oral	0	0	4	5	4	0	2	10	0	25
6) I.A.+Oral	0	1	0	0	1	0	0	1	0	3
7) I.V.+I.A.+Oral	0	0	0	0	0	0	0	1	0	1
8) Others	0	0	0	0	1	0	0	0	0	1
9) Unknown	5	42	7	109	62	11	66	327	1	630
<b>Total</b>	<b>28</b>	<b>194</b>	<b>57</b>	<b>392</b>	<b>239</b>	<b>78</b>	<b>303</b>	<b>1619</b>	<b>9</b>	<b>2919</b>

NOS: not otherwise specified.

I.V.: intravenous.

I.A.: intraarterial

Larynx (2016)

2387 Cases

Carcinoma of the Larynx ----- 2387 Cases

## Primary Site

Site	Number of patients	(%)
Glottis	1680	( 70.4 )
Supraglottis	597	( 25.0 )
Subglottis	69	( 2.9 )
Larynx, NOS	41	( 1.7 )
<b>Total</b>	<b>2387</b>	<b>( 100 )</b>

NOS: not otherwise specified

## Age Distribution by Gender

Age	Male	Female	Total
0 - 9	1	0	1
10 - 19	0	1	1
20 - 29	0	0	0
30 - 39	2	2	4
40 - 49	49	11	60
50 - 59	190	23	213
60 - 69	754	37	791
70 - 79	853	67	920
80 - 89	344	30	374
90 - 99	19	4	23
100 - 109	0	0	0
<b>Total</b>	<b>2212</b>	<b>175</b>	<b>2387</b>

NOS: not otherwise specified

## Glottis

### Age Distribution by Gender

Age	Male	Female	Total
0 - 9	1	0	1
10 - 19	0	1	1
20 - 29	0	0	0
30 - 39	1	1	2
40 - 49	31	5	36
50 - 59	141	9	150
60 - 69	532	17	549
70 - 79	615	33	648
80 - 89	256	22	278
90 - 99	11	4	15
100 - 109	0	0	0
<b>Total</b>	<b>1588</b>	<b>92</b>	<b>1680</b>

## 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	1	1	2
40 - 49	17	4	21
50 - 59	41	9	50
60 - 69	184	16	200
70 - 79	208	29	237
80 - 89	77	6	83
90 - 99	4	0	4
100 - 109	0	0	0
<b>Total</b>	<b>532</b>	<b>65</b>	<b>597</b>

## 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	0	0
40 - 49	1	2	3
50 - 59	5	3	8
60 - 69	22	3	25
70 - 79	19	2	21
80 - 89	7	2	9
90 - 99	3	0	3
100 - 109	0	0	0
<b>Total</b>	<b>57</b>	<b>12</b>	<b>69</b>

## 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	3	2	5
60 - 69	16	1	17
70 - 79	11	3	14
80 - 89	4	0	4
90 - 99	1	0	1
100 - 109	0	0	0
<b>Total</b>	<b>35</b>	<b>6</b>	<b>41</b>

NOS: not otherwise specified

Carcinoma of the Larynx ----- 2387 Cases

## Histological Distribution by Subsite

Histologic type	Glottis (C32.0)	Supraglottis (C32.1) (C10.1)	Subglottis (C32.2)	Larynx, NOS (C32.9)	Total
Adenocarcinoma, NOS	0	2	1	0	3
Adenoid cystic ca.	0	0	3	0	3
Basaloid squamous cell ca.	2	2	0	0	4
Carcinoid tumor, NOS	0	2	0	1	3
Ca., NOS	4	5	0	0	9
Ca., undifferentiated, NOS	1	0	0	0	1
Carcinosarcoma, NOS	1	0	0	1	2
Chondrosarcoma, NOS	0	0	1	3	4
Fibrosarcoma, NOS	1	0	0	0	1
Malig. lymphoma, NOS	1	0	0	0	1
Neoplasm, malig.	2	2	0	1	5
Papillary squamous cell ca.	3	0	0	0	3
Plasmacytoma, NOS	0	0	0	1	1
Small cell ca., NOS	0	3	0	0	3
Spindle cell ca., NOS	7	2	1	0	10
S.C.C. in situ with questionable stromal invasion	2	1	0	0	3
S.C.C. in situ, NOS	85	9	1	0	95
S.C.C., kerat., NOS	63	13	0	1	77
S.C.C., large cell, nonkerat., NOS	2	0	0	0	2
S.C.C., microinvasive	10	2	0	0	12
S.C.C., NOS	1488	550	61	33	2132
S.C.C., small cell, nonkerat.	2	0	0	0	2
S.C.C., spindle cell	2	2	0	0	4
Verrucous ca., NOS	3	1	0	0	4
Neuroendocrine ca., NOS	1	1	0	0	2
Papillary adenocarcinoma, NOS	0	0	1	0	1
<b>Total</b>	<b>1680</b>	<b>597</b>	<b>69</b>	<b>41</b>	<b>2387</b>

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

## T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	N3a	N3b	NX	N-	Total
Tis	74	0	0	0	0	0	0	0	0	0	0	74
T0	1	0	0	0	0	0	0	0	0	0	0	1
T1	135	0	0	0	5	5(2)	0	0	0	0	1	146
T1a	553	0	0	0	0	0	0	0	0	2	1	556
T1b	194	1	0	0	0	2(1)	0	0	0	0	0	197
T2	479	29	1	2	31	14	2	0	0	0	1	559
T3	298(1)	56	1	1	54	56(3)	4(1)	0	0	1	0	471
T4	10	1	0	1	4	3(1)	0	0	0	0	0	19
T4a	108(3)	31(1)	0	1(1)	29(3)	49(4)	2	1	1	0	2	224
T4b	0	0	0	0	2	0	1	0	0	0	0	3
TX	2	0	0	0	0	0	0	0	0	8	0	10
T-	7	1	0	0	2	0	0	0	0	0	117	127
<b>Total</b>	<b>1861</b>	<b>119</b>	<b>2</b>	<b>5</b>	<b>127</b>	<b>129</b>	<b>9</b>	<b>1</b>	<b>1</b>	<b>11</b>	<b>122</b>	<b>2387</b>

M1:21 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



## Glottis T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	N3a	N3b	NX	N-	Total
Tis	68	0	0	0	0	0	0	0	0	0	0	68
T0	1	0	0	0	0	0	0	0	0	0	0	1
T1	57	0	0	0	0	0	0	0	0	0	0	57
T1a	546	0	0	0	0	0	0	0	0	2	1	549
T1b	192	1	0	0	0	2(1)	0	0	0	0	0	195
T2	362	7	0	0	1	4	0	0	0	0	1	375
T3	193(1)	21	0	0	13	7	1	0	0	1	0	236
T4	4	0	0	1	1	1(1)	0	0	0	0	0	7
T4a	58(1)	15	0	1(1)	10(2)	10(1)	0	1	1	0	0	96
T4b	0	0	0	0	0	0	0	0	0	0	0	0
TX	0	0	0	0	0	0	0	0	0	6	0	6
T-	5	1	0	0	0	0	0	0	0	0	84	90
Total	1486	45	0	2	25	24	1	1	1	9	86	1680

M1:8 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

## Supraglottis T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	N3a	N3b	NX	N-	Total
Tis	6	0	0	0	0	0	0	0	0	0	0	6
T0	0	0	0	0	0	0	0	0	0	0	0	0
T1	74	0	0	0	5	5(2)	0	0	0	0	1	85
T1a	1	0	0	0	0	0	0	0	0	0	0	1
T1b	0	0	0	0	0	0	0	0	0	0	0	0
T2	92	21	1	1	29	10	2	0	0	0	0	156
T3	96	34	0	1	38	47(3)	3(1)	0	0	0	0	219
T4	3	1	0	0	2	1	0	0	0	0	0	7
T4a	24	15(1)	0	0	18(1)	31(3)	2	0	0	0	0	90
T4b	0	0	0	0	2	0	0	0	0	0	0	2
TX	0	0	0	0	0	0	0	0	0	1	0	1
T-	2	0	0	0	2	0	0	0	0	0	26	30
Total	298	71	1	2	96	94	7	0	0	1	27	597

M1:11 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

## Subglottis T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	N3a	N3b	NX	N-	Total
Tis	0	0	0	0	0	0	0	0	0	0	0	0
T0	0	0	0	0	0	0	0	0	0	0	0	0
T1	2	0	0	0	0	0	0	0	0	0	0	2
T1a	0	0	0	0	0	0	0	0	0	0	0	0
T1b	0	0	0	0	0	0	0	0	0	0	0	0
T2	21	0	0	1	1	0	0	0	0	0	0	23
T3	7	1	1	0	2	0	0	0	0	0	0	11
T4	2	0	0	0	1	0	0	0	0	0	0	3
T4a	18(2)	1	0	0	0	6	0	0	0	0	1	26
T4b	0	0	0	0	0	0	0	0	0	0	0	0
TX	0	0	0	0	0	0	0	0	0	1	0	1
T-	0	0	0	0	0	0	0	0	0	0	3	3
<b>Total</b>	<b>50</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>69</b>

M1:2 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 Larynx,NOS T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	N3a	N3b	NX	N-	Total
Tis	0	0	0	0	0	0	0	0	0	0	0	0
T0	0	0	0	0	0	0	0	0	0	0	0	0
T1	2	0	0	0	0	0	0	0	0	0	0	2
T1a	6	0	0	0	0	0	0	0	0	0	0	6
T1b	2	0	0	0	0	0	0	0	0	0	0	2
T2	4	1	0	0	0	0	0	0	0	0	0	5
T3	2	0	0	0	1	2	0	0	0	0	0	5
T4	1	0	0	0	0	1	0	0	0	0	0	2
T4a	8	0	0	0	1	2	0	0	0	0	1	12
T4b	0	0	0	0	0	0	1	0	0	0	0	1
TX	2	0	0	0	0	0	0	0	0	0	0	2
T-	0	0	0	0	0	0	0	0	0	0	4	4
<b>Total</b>	<b>27</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>41</b>

M1:0 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 Larynx ----- 2387 Cases

## Treatment Method for the Primary Lesion by Subsite

Treatment Method	Glottis (C32.0)	Supraglottis (C32.1) (C10.1)	Subglottis (C32.2)	Larynx, NOS (C32.9)	Total
Surgery					
without	727	216	23	13	979
with	773	320	36	23	1152
unknown	176	60	10	5	251
Radiotherapy					
without	323	170	19	11	523
with	1177	366	40	25	1608
unknown	176	60	10	5	251
Chemotherapy					
without	846	220	31	22	1119
with	654	316	28	14	1012
unknown	176	60	10	5	251
<b>Total</b>	<b>1676</b>	<b>596</b>	<b>69</b>	<b>41</b>	<b>2382</b>

5 patients were no reported Treatment Method for the Primary Lesion by Subsite

## Sequence of Treatment Methods for the Primary Lesion by Subsite

Sequence of treatment methods	Glottis (C32.0)	Supraglottis (C32.1) (C10.1)	Subglottis (C32.2)	Larynx, NOS (C32.9)	Total
No treatment	19	14	1	0	34
B) Rad. alone	684	83	12	11	790
A) Surg. alone	376	158	21	15	570
F)(Rad.+Chem.)	271	139	14	3	427
A)B) Surg.->Rad.	41	19	4	2	66
A)F) Surg.->(Rad.+Chem.)	19	26	0	2	47
C)F) Chem. -> (Rad.+Chem.)	6	21	0	1	28
C)A) Chem.->Surg.	7	15	0	0	22
B)A) Rad.->Surg.	19	2	0	0	21
C) Chem. alone	6	12	0	1	19
F)A)(Rad.+Chem.)->Surg.	10	3	0	1	14
A)A) Surg.->Surg.	10	2	0	0	12
Other	33	42	7	0	82
Unknown	175	60	10	5	250
<b>Total</b>	<b>1676</b>	<b>596</b>	<b>69</b>	<b>41</b>	<b>2382</b>

5 patients were no reported Treatment Method for the Primary Lesion by Subsite

Surg.: surgery.

Rad.: radiotherapy.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Larynx ----- 2387 Cases

## Treatment Method for the Primary Lesion by T Classification

Treatment Method	T0	T1	T1a	T1b	T2	T3	T4	T4a	T4b	Tis	TX	T-	Total
<b>Surgery</b>													
without	0	56	251	118	337	155	5	37	2	14	1	3	979
with	1	80	262	69	183	284	13	175	1	51	9	24	1152
unknown	0	10	43	10	34	32	1	12	0	9	0	100	251
<b>Radiotherapy</b>													
without	1	51	111	13	45	152	6	105	0	29	7	3	523
with	0	85	402	174	475	287	12	107	3	36	3	24	1608
unknown	0	10	43	10	34	32	1	12	0	9	0	100	251
<b>Chemotherapy</b>													
without	1	93	354	120	216	153	8	116	1	41	10	6	1119
with	0	43	159	67	304	286	10	96	2	24	0	21	1012
unknown	0	10	43	10	34	32	1	12	0	9	0	100	251
<b>Total</b>	<b>1</b>	<b>146</b>	<b>556</b>	<b>197</b>	<b>554</b>	<b>471</b>	<b>19</b>	<b>224</b>	<b>3</b>	<b>74</b>	<b>10</b>	<b>127</b>	<b>2382</b>

5 patients were no reported Treatment Method for the Primary Lesion by Subsite

Carcinoma of the Larynx ----- 2387 Cases

Sequence of Treatment Methods for the Primary Lesion  
by T Classification

Sequence of treatment methods	T0	T1	T1a	T1b	T2	T3	T4	T4a	T4b	Tis	TX	T-	Total
No treatment	0	0	5	3	7	9	1	9	0	0	0	0	34
B) Rad. alone	0	59	325	127	210	28	2	4	1	23	1	10	790
A) Surg. alone	1	54	133	16	43	157	5	107	0	35	7	12	570
F)(Rad.+Chem.)	0	12	18	25	206	142	2	16	1	1	0	4	427
A)B) Surg.->Rad.	0	1	14	8	7	8	2	21	0	3	2	0	66
A)F) Surg.->(Rad.+Chem.)	0	1	2	0	9	21	0	12	1	1	0	0	47
C)F) Chem. -> (Rad.+Chem.)	0	1	0	0	5	18	0	4	0	0	0	0	28
C)A) Chem.->Surg.	0	0	0	0	2	11	1	7	0	0	0	1	22
B)A) Rad.->Surg.	0	0	3	6	8	2	0	2	0	0	0	0	21
C) Chem. alone	0	1	0	1	3	7	2	4	0	1	0	0	19
F)A)(Rad.+Chem.)->Surg.	0	0	0	0	2	8	1	3	0	0	0	0	14
A)A) Surg.->Surg.	0	1	5	1	3	1	0	0	0	1	0	0	12
Other	0	6	8	1	15	27	2	23	0	0	0	0	82
Unknown	0	10	43	9	34	32	1	12	0	9	0	100	250
<b>Total</b>	<b>1</b>	<b>146</b>	<b>556</b>	<b>197</b>	<b>554</b>	<b>471</b>	<b>19</b>	<b>224</b>	<b>3</b>	<b>74</b>	<b>10</b>	<b>127</b>	<b>2382</b>

5 patients were no reported Sequence of treatment methods

Carcinoma of the Larynx ----- 2387 Cases

**Glottis**  
**Treatment Method for the Primary Lesion**  
**by T Classification**

Treatment Method	T0	T1	T1a	T1b	T2	T3	T4	T4a	T4b	Tis	TX	T-	Total
Surgery													
without	0	23	247	117	235	80	0	9	0	14	0	2	727
with	1	29	260	69	114	141	7	82	0	47	6	17	773
unknown	0	5	42	9	22	15	0	5	0	7	0	71	176
Radiotherapy													
without	1	22	110	13	23	67	4	51	0	26	5	1	323
with	0	30	397	173	326	154	3	40	0	35	1	18	1177
unknown	0	5	42	9	22	15	0	5	0	7	0	71	176
Chemotherapy													
without	1	42	349	119	159	72	3	54	0	38	6	3	846
with	0	10	158	67	190	149	4	37	0	23	0	16	654
unknown	0	5	42	9	22	15	0	5	0	7	0	71	176
Total	1	57	549	195	371	236	7	96	0	68	6	90	1676

4 patients were no reported Treatment Method for the Primary Lesion by T Classification.

## Glottis

### Sequence of Treatment Methods for the Primary Lesion by T Classification

Sequence of treatment methods	T0	T1	T1a	T1b	T2	T3	T4	T4a	T4b	Tis	TX	T-	Total
No treatment	0	0	4	3	4	3	0	5	0	0	0	0	19
B) Rad. alone	0	21	321	126	166	18	0	0	0	23	0	9	684
A) Surg. alone	1	24	133	16	19	76	3	60	0	31	5	8	376
F)(Rad.+Chem.)	0	3	18	25	135	83	0	4	0	1	0	2	271
A)B) Surg.->Rad.	0	1	13	8	2	4	1	8	0	3	1	0	41
A)F) Surg.->(Rad.+Chem.)	0	0	2	0	5	8	0	3	0	1	0	0	19
B)A) Rad.->Surg.	0	0	3	6	8	2	0	0	0	0	0	0	19
A)A) Surg.->Surg.	0	0	5	1	2	1	0	0	0	1	0	0	10
F)A)(Rad.+Chem.)->Surg.	0	0	0	0	2	5	1	2	0	0	0	0	10
Other	0	3	8	2	6	21	2	9	0	1	0	0	52
Unknown	0	5	42	8	22	15	0	5	0	7	0	71	175
<b>Total</b>	<b>1</b>	<b>57</b>	<b>549</b>	<b>195</b>	<b>371</b>	<b>236</b>	<b>7</b>	<b>96</b>	<b>0</b>	<b>68</b>	<b>6</b>	<b>90</b>	<b>1676</b>

4 patients were no reported Sequence of treatment methods.

**Supraglottis**  
**Treatment Method for the Primary Lesion**  
**by T Classification**

Treatment Method	T0	T1	T1a	T1b	T2	T3	T4	T4a	T4b	Tis	TX	T-	Total
Surgery													
without	0	32	1	0	85	73	1	23	1	0	0	0	216
with	0	48	0	0	61	130	5	64	1	4	1	6	320
unknown	0	5	0	0	9	16	1	3	0	2	0	24	60
Radiotherapy													
without	0	29	1	0	20	77	2	36	0	3	0	2	170
with	0	51	0	0	126	126	4	51	2	1	1	4	366
unknown	0	5	0	0	9	16	1	3	0	2	0	24	60
Chemotherapy													
without	0	49	1	0	49	74	4	37	0	3	1	2	220
with	0	31	0	0	97	129	2	50	2	1	0	13	325
unknown	0	5	0	0	9	16	1	3	0	2	0	24	60
<b>Total</b>	<b>0</b>	<b>85</b>	<b>1</b>	<b>0</b>	<b>155</b>	<b>219</b>	<b>7</b>	<b>90</b>	<b>2</b>	<b>6</b>	<b>1</b>	<b>30</b>	<b>596</b>

1 patients were no reported Treatment Method for the Primary Lesion by T Classification.



**Supraglottis**  
**Sequence of Treatment Methods for the Primary Lesion**  
**by T Classification**

Sequence of treatment methods	T0	T1	T1a	T1b	T2	T3	T4	T4a	T4b	Tis	TX	T-	Total
No treatment	0	0	1	0	3	6	1	3	0	0	0	0	14
A) Surg. alone	0	30	0	0	20	73	2	26	0	4	0	3	158
F)(Rad.+Chem.)	0	9	0	0	60	56	0	11	1	0	0	2	139
B) Rad. alone	0	35	0	0	35	10	1	2	0	0	0	0	83
A)F) Surg.->(Rad.+Chem.)	0	1	0	0	4	12	0	8	1	0	0	0	26
C)F) Chem. -> (Rad.+Chem.)	0	1	0	0	4	14	0	2	0	0	0	0	21
A)B) Surg.->Rad.	0	0	0	0	5	4	1	8	0	0	1	0	19
C)A) Chem.->Surg.	0	0	0	0	2	7	0	5	0	0	0	1	15
C) Chem. alone	0	1	0	0	3	4	1	3	0	0	0	0	12
Other	0	3	0	0	10	17	0	19	0	0	0	0	49
Unknown	0	5	0	0	9	16	1	3	0	2	0	24	60
<b>Total</b>	<b>0</b>	<b>85</b>	<b>1</b>	<b>0</b>	<b>155</b>	<b>219</b>	<b>7</b>	<b>90</b>	<b>2</b>	<b>6</b>	<b>1</b>	<b>30</b>	<b>596</b>

1 patients were no reported Sequence of treatment methods.

Carcinoma of the Larynx ----- 2387 Cases

**Subglottis**  
**Treatment Method for the Primary Lesion**  
**by T Classification**

Treatment Method	T0	T1	T1a	T1b	T2	T3	T4	T4a	T4b	Tis	TX	T-	Total
<b>Surgery</b>													
without	0	0	0	0	14	1	3	4	0	0	1	0	23
with	0	2	0	0	6	9	0	18	0	0	0	1	36
unknown	0	0	0	0	3	1	0	4	0	0	0	2	10
<b>Radiotherapy</b>													
without	0	0	0	0	1	6	0	12	0	0	0	0	19
with	0	2	0	0	19	4	3	10	0	0	1	1	40
unknown	0	0	0	0	3	1	0	4	0	0	0	2	10
<b>Chemotherapy</b>													
without	0	1	0	0	5	5	1	18	0	0	1	0	31
with	0	1	0	0	15	5	2	4	0	0	0	36	63
unknown	0	0	0	0	3	1	0	4	0	0	0	2	10
<b>Total</b>	0	2	0	0	23	11	3	26	0	0	1	3	69

**Subglottis**  
**Sequence of Treatment Methods for the Primary Lesion**  
**by T Classification**

Sequence of treatment methods	<b>T0</b>	<b>T1</b>	<b>T1a</b>	<b>T1b</b>	<b>T2</b>	<b>T3</b>	<b>T4</b>	<b>T4a</b>	<b>T4b</b>	<b>Tis</b>	<b>TX</b>	<b>T-</b>	<b>Total</b>
A) Surg. alone	0	0	0	0	2	5	0	13	0	0	0	1	21
F)(Rad.+Chem.)	0	0	0	0	10	2	1	1	0	0	0	0	14
B) Rad. alone	0	1	0	0	7	0	1	2	0	0	1	0	12
Other	0	1	0	0	1	3	1	6	0	0	0	0	12
Unknown	0	0	0	0	3	1	0	4	0	0	0	2	10
<b>Total</b>	0	2	0	0	23	11	3	26	0	0	1	3	69

Carcinoma of the Larynx ----- 2387 Cases

**Carcinoma of the Larynx,NOS**  
**Treatment Method for the Primary Lesion**  
**by T Classification**

Treatment Method	T0	T1	T1a	T1b	T2	T3	T4	T4a	T4b	Tis	TX	T-	Total
Surgery													
without	0	1	3	1	3	1	1	1	1	0	0	1	13
with	0	1	2	0	2	4	1	11	0	0	2	0	23
unknown	0	0	1	1	0	0	0	0	0	0	0	3	5
Radiotherapy													
without	0	0	0	0	1	2	0	6	0	0	2	0	11
with	0	2	5	1	4	3	2	6	1	0	0	1	25
unknown	0	0	1	1	0	0	0	0	0	0	0	3	5
Chemotherapy													
without	0	1	4	1	3	2	0	7	1	0	2	1	22
with	0	1	1	0	2	3	2	5	0	0	0	0	14
unknown	0	0	1	1	0	0	0	0	0	0	0	3	5
<b>Total</b>	<b>0</b>	<b>2</b>	<b>6</b>	<b>2</b>	<b>5</b>	<b>5</b>	<b>2</b>	<b>12</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>41</b>

Carcinoma of the Larynx ----- 2387 Cases

Carcinoma of the Larynx,NOS

Sequence of Treatment Methods for the Primary Lesion  
by T Classification

Sequence of treatment methods	T0	T1	T1a	T1b	T2	T3	T4	T4a	T4b	Tis	TX	T-	Total
A) Surg. alone	0	0	0	0	2	3	0	8	0	0	2	0	15
B) Rad. alone	0	2	4	1	2	0	0	0	1	0	0	1	11
F)(Rad.+Chem.)	0	0	0	0	1	1	1	0	0	0	0	0	3
Other	0	0	1	0	0	1	1	4	0	0	0	0	7
Unknown	0	0	1	1	0	0	0	0	0	0	0	3	5
<b>Total</b>	0	2	6	2	5	5	2	12	1	0	2	4	41

Carcinoma of the Larynx ----- 2387 Cases

## Surgical Methods for the Primary Lesion by Subsite

Surgical method	Glottis (C32.0)	Supraglottis (C32.1) (C10.1)	Subglottis (C32.2)	Larynx, NOS (C32.9)	Total
X0 No surgery	602	188	18	11	819
G5 Total laryngectomy	197	175	25	14	411
G2 Transoral resection	218	25	0	1	244
G1 Endoscopic resection	38	10	0	0	48
+ Others	42	40	5	4	91
V9 Unknown	583	158	21	11	773
Total	1680	596	69	41	2386

1 patients were no reported Surgical method for the Primary Lesion by Subsite.

## Surgical Methods for the Primary Lesion by T Classification

Surgical method	T0	T1	T1a	T1b	T2	T3	T4	T4a	T4b	Tis	TX	T-	Total
X0 No surgery	0	42	206	97	290	135	4	25	2	14	1	3	819
V9 Unknown	0	45	191	69	193	107	6	30	0	21	0	111	773
G5 Total laryngectomy	0	8	0	4	29	206	9	149	0	1	0	5	411
G2 Transoral resection	1	29	129	22	28	2	0	1	0	27	3	2	244
+ Others	0	10	17	3	13	21	0	19	1	2	4	1	91
G1 Endoscopic resection	0	12	13	2	5	0	0	0	0	9	2	5	48
<b>Total</b>	<b>1</b>	<b>146</b>	<b>556</b>	<b>197</b>	<b>558</b>	<b>471</b>	<b>19</b>	<b>224</b>	<b>3</b>	<b>74</b>	<b>10</b>	<b>127</b>	<b>2386</b>

1 patients were no reported Surgical method for the Primary Lesion by T Classification.

NOS: not otherwise specified.

T-: without reported T classification

## Glottis

### Surgical Methods for the Primary Lesion

#### by T Classification

Surgical method	T0	T1	T1a	T1b	T2	T3	T4	T4a	T4b	Tis	TX	T-	Total
X0 No surgery	0	17	202	96	201	62	0	7	0	14	0	3	602
F2 Transoral resection	0	0	4	1	1	1	0	0	0	1	1	0	9
F4 Total laryngectomy+Partial phar	0	0	0	0	0	1	0	1	0	0	0	0	2
F5 Total pharyngolaryngectomy	0	0	0	0	0	2	0	1	0	0	0	0	3
G1 Endoscopic resection	0	7	13	2	2	0	0	0	0	7	2	5	38
G2 Transoral resection	1	15	128	22	19	2	0	0	0	26	3	2	218
G3 Partial laryngectomy	0	0	9	2	2	3	0	0	0	0	0	0	16
G4 Subtotal laryngectomy	0	0	0	0	1	3	0	2	0	0	0	0	6
G5 Total laryngectomy	0	2	0	4	13	95	6	75	0	1	0	1	197
G9 Laryngectomy, other type	0	1	3	0	1	0	0	0	0	0	0	0	5
+ Others	0	0	1	0	0	0	0	0	0	0	0	0	1
V9 Unknown	0	15	189	68	135	67	1	10	0	19	0	79	583
<b>Total</b>	<b>1</b>	<b>57</b>	<b>549</b>	<b>195</b>	<b>375</b>	<b>236</b>	<b>7</b>	<b>96</b>	<b>0</b>	<b>68</b>	<b>6</b>	<b>90</b>	<b>1680</b>

T-: without reported T classification



## Supraglottis

### Surgical Methods for the Primary Lesion

#### by T Classification

Surgical method	T0	T1	T1a	T1b	T2	T3	T4	T4a	T4b	Tis	TX	T-	Total
X0 No surgery	0	24	1	0	76	71	2	13	1	0	0	0	188
F1 Endoscopic resection	0	1	0	0	1	0	0	0	0	0	0	0	2
F2 Transoral resection	0	5	0	0	0	0	0	0	0	0	0	0	5
F4 Total laryngectomy+Partial pharyngectomy	0	0	0	0	1	1	0	0	0	0	0	0	2
F5 Total pharyngolaryngectomy	0	0	0	0	0	3	0	6	1	0	0	0	10
F6 Total pharyngolaryngo-esophagectomy	0	0	0	0	0	3	0	2	0	0	0	0	5
G1 Endoscopic resection	0	5	0	0	3	0	0	0	0	2	0	0	10
G2 Transoral resection	0	14	0	0	9	0	0	1	0	1	0	0	25
G3 Partial laryngectomy	0	2	0	0	3	0	0	0	0	0	0	1	6
G4 Subtotal laryngectomy	0	0	0	0	0	0	0	2	0	0	0	0	2
G5 Total laryngectomy	0	6	0	0	14	99	3	50	0	0	0	3	175
G9 Laryngectomy, other type	0	0	0	0	1	0	0	0	0	0	1	0	2
+ Others	0	0	0	0	1	4	0	0	0	1	0	0	6
V9 Unknown	0	28	0	0	46	38	2	16	0	2	0	26	158
<b>Total</b>	<b>0</b>	<b>85</b>	<b>1</b>	<b>0</b>	<b>155</b>	<b>219</b>	<b>7</b>	<b>90</b>	<b>2</b>	<b>6</b>	<b>1</b>	<b>30</b>	<b>596</b>

T-: without reported T classification

Carcinoma of the Larynx ----- 2387 Cases

## Subglottis

### Surgical Methods for the Primary Lesion by T Classification

Surgical method	T0	T1	T1a	T1b	T2	T3	T4	T4a	T4b	Tis	TX	T-	Total
X0 No surgery	0	0	0	0	10	1	2	4	0	0	1	0	18
F5 Total pharyngolaryngectomy	0	0	0	0	0	0	0	2	0	0	0	0	2
F6 Total pharyngolaryngo-esophage	0	0	0	0	0	0	0	1	0	0	0	0	1
G3 Partial laryngectomy	0	0	0	0	1	0	0	0	0	0	0	0	1
G5 Total laryngectomy	0	0	0	0	1	8	0	15	0	0	0	1	25
G9 Laryngectomy, other type	0	1	0	0	0	0	0	0	0	0	0	0	1
V9 Unknown	0	1	0	0	11	2	1	4	0	0	0	2	21
Total	0	2	0	0	23	11	3	26	0	0	1	3	69

T-: without reported T classification

Carcinoma of the Larynx ----- 2387 Cases

## Carcinoma of the Larynx,NOS

### Surgical Methods for the Primary Lesion by T Classification

Surgical method	T0	T1	T1a	T1b	T2	T3	T4	T4a	T4b	Tis	TX	T-	Total
X0 No surgery	0	1	3	1	3	1	0	1	1	0	0	0	11
F6 Total pharyngolaryngo-esophage	0	0	0	0	0	0	0	1	0	0	0	0	1
G2 Transoral resection	0	0	1	0	0	0	0	0	0	0	0	0	1
G4 Subtotal laryngectomy	0	0	0	0	0	0	0	1	0	0	0	0	1
G5 Total laryngectomy	0	0	0	0	1	4	0	9	0	0	0	0	14
G9 Laryngectomy, other type	0	0	0	0	0	0	0	0	0	0	1	0	1
X9 Others	0	0	0	0	0	0	0	0	0	0	1	0	1
V9 Unknown	0	1	2	1	1	0	2	0	0	0	0	4	11
Total	0	2	6	2	5	5	2	12	1	0	2	4	41

NOS: not otherwise specified.

T-: without reported T classification

## Treatment Method for the Cervical Lymph Nodes by Subsite

Treatment Method	Glottis (C32.0)	Supraglottis (C32.1) (C10.1)	Subglottis (C32.2)	Larynx, NOS (C32.9)	Total
Surgery					
without	950	253	31	16	1250
with	391	257	23	18	689
unknown	334	87	15	7	443
Radiotherapy					
without	910	233	29	21	1193
with	431	277	25	13	746
unknown	334	87	15	7	443
Chemotherapy					
without	978	258	33	22	1291
with	363	252	21	12	648
unknown	334	87	15	7	443
<b>Total</b>	<b>1675</b>	<b>597</b>	<b>69</b>	<b>41</b>	<b>2382</b>

NOS: not otherwise specified.

5 patients were not reported Treatment Method for the Cervical Lymph Node by Subsite.

## Neck Dissection on the Ipsilateral Side by Subsite

Neck dissection	Glottis (C32.0)	Supraglottis (C32.1) (C10.1)	Subglottis (C32.2)	Larynx, NOS (C32.9)	Total
0) No N.D.	911	234	31	17	1193
1) Total N.D.	31	54	2	3	90
2) Selective N.D.	125	138	16	9	288
3) Lymph node excision	2	2	0	1	5
8) Others	7	3	0	0	10
9) Unknown	604	166	20	11	801
<b>Total</b>	<b>1680</b>	<b>597</b>	<b>69</b>	<b>41</b>	<b>2387</b>

NOS: not otherwise specified.

N.D.: neck dissection.

Carcinoma of the Larynx ----- 2387 Cases

## Neck Dissection on the Contralateral Side by Subsite

Neck dissection	Glottis (C32.0)	Supraglottis (C32.1) (C10.1)	Subglottis (C32.2)	Larynx, NOS (C32.9)	Total
0) No N.D.	977	284	35	19	1315
1) Total N.D.	9	35	1	2	47
2) Selective N.D.	83	109	13	8	213
3) Lymph node excision	0	1	0	1	2
8) Others	7	2	0	0	9
9) Unknown	604	166	20	11	801
<b>Total</b>	<b>1680</b>	<b>597</b>	<b>69</b>	<b>41</b>	<b>2387</b>

NOS: not otherwise specified.

N.D.: neck dissection

## Reconstructive Surgery by Subsite

Reconstructive surgery	Glottis (C32.0)	Supraglottis (C32.1) (C10.1)	Subglottis (C32.2)	Larynx, NOS (C32.9)	Total
0) No reconstruction	1319	446	48	27	1840
B) Free jejunal flap	4	18	3	1	26
5) PM MC flap	2	13	1	0	16
E) Free ALT flap	1	7	0	1	9
2) Local skin flap	4	0	0	0	4
4) DP flap	1	2	1	0	4
C) Free FA flap	1	1	0	1	3
7) Gastric pull-up	0	1	0	0	1
D) Free RA MC flap	0	1	0	0	1
10) Skin graft	0	0	0	0	0
3) Mucosal flap	0	0	0	0	0
F) Free scapular OC flap	0	0	0	0	0
G) Free fibular OC flap	0	0	0	0	0
I) Free nerve graft	0	0	0	0	0
8) Others	0	0	0	1	1
9) Unknown	348	108	16	10	482
<b>Total</b>	<b>1680</b>	<b>597</b>	<b>69</b>	<b>41</b>	<b>2387</b>

NOS: not otherwise specified.

RA: rectus abdominis.

MC: musclocutaneous.

ALT: anterolateral thigh.

FA: forearm.

PM: pectoralis major.

OC: osteocutaneous.

DP: deltopectoral.

Carcinoma of the Larynx ----- 2387 Cases

## Radiotherapy by Subsite

Type of radiotherapy	Glottis (C32.0)	Supraglottis (C32.1) (C10.1)	Subglottis (C32.2)	Larynx, NOS (C32.9)	Total
0) No radiotherapy	333	163	17	9	522
1) X-ray (and/or electron beam)	1056	330	37	20	1443
2) Particle beam	0	0	0	1	1
3) B.T.	0	0	0	0	0
4) X-ray + Particle beam	1	0	0	0	1
5) X-ray + B.T.	0	0	0	0	0
6) Particl beam + B.T.	0	0	0	0	0
7) X-ray + Particl beam + B.T.	0	0	0	0	0
8) Others	0	0	0	0	0
9) Unknown	290	104	15	11	420
<b>Total</b>	<b>1680</b>	<b>597</b>	<b>69</b>	<b>41</b>	<b>2387</b>

NOS: not otherwise specified

## Chemotherapy by Subsite

Route of administration	Glottis (C32.0)	Supraglottis (C32.1) (C10.1)	Subglottis (C32.2)	Larynx, NOS (C32.9)	Total
0) No chemotherapy	1024	258	34	23	1339
1) I.V.	264	214	17	6	501
2) I.A.	4	3	0	0	7
3) Oral	79	27	2	3	111
4) I.V.+I.A.	0	1	0	0	1
5) I.V.+Oral	2	8	1	0	11
6) I.A.+Oral	0	0	0	0	0
7) I.V.+I.A.+Oral	0	0	0	0	0
8) Others	0	0	0	0	0
9) Unknown	307	86	15	9	417
<b>Total</b>	<b>1680</b>	<b>597</b>	<b>69</b>	<b>41</b>	<b>2387</b>

NOS: not otherwise specified

# Hypopharynx(2016)

2504 Cases

## Primary Site

Site	Number of patients	(%)
Postcricoid	255	( 10.2 )
Pyriiform sinus	1784	( 71.2 )
Posterior wall	340	( 13.6 )
HypopharynxNOS	125	( 5.0 )
<b>Total</b>	<b>2504</b>	<b>( 100.0 )</b>

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	1	1
30 - 39	3	2	5
40 - 49	55	29	84
50 - 59	308	52	360
60 - 69	898	56	954
70 - 79	835	34	869
80 - 89	203	22	225
90 - 99	4	2	6
100 - 109	0	0	0
<b>Total</b>	<b>2306</b>	<b>198</b>	<b>2504</b>

NOS: not otherwise specified.



## 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	1	1
40 - 49	8	6	14
50 - 59	29	11	40
60 - 69	86	7	93
70 - 79	81	6	87
80 - 89	17	1	18
90 - 99	1	1	2
100 - 109	0	0	0
<b>Total</b>	<b>222</b>	<b>33</b>	<b>255</b>

## Pyriform sinus

### 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	2	1	3
40 - 49	40	21	61
50 - 59	236	28	264
60 - 69	623	36	659
70 - 79	609	19	628
80 - 89	153	13	166
90 - 99	3	0	3
100 - 109	0	0	0
<b>Total</b>	<b>1666</b>	<b>118</b>	<b>1784</b>

## Posterior wall

### Age Distribution by Gender

Age	Male	Female	Total
0 - 9	0	0	0
10 - 19	0	0	0
20 - 29	0	1	1
30 - 39	1	0	1
40 - 49	5	2	7
50 - 59	34	11	45
60 - 69	134	8	142
70 - 79	101	9	110
80 - 89	26	7	33
90 - 99	0	1	1
100 - 109	0	0	0
<b>Total</b>	<b>301</b>	<b>39</b>	<b>340</b>

## 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	0	2
50 - 59	9	2	11
60 - 69	55	5	60
70 - 79	44	0	44
80 - 89	7	1	8
90 - 99	0	0	0
100 - 109	0	0	0
<b>Total</b>	<b>117</b>	<b>8</b>	<b>125</b>

NOS: not otherwise specified.

Carcinoma of the Hypopharynx ----- 2504 Cases

## Histological Distribution by Subsite

Histologic type	Posterioroid (C13.0)	Pyriiform sinus (C12.9) (C13.1)	Pyriiform sinus (C13.2)	Hypopharynx, NOS (C13.9)	Total
Adenoid cystic ca.	1	0	0	0	1
Adenosquamous ca.	1	1	0	1	3
Basaloid S.C.C.	7	0	3	0	10
Carcinoid tumor, NOS	1	0	0	0	1
Ca., NOS	3	0	0	1	4
Ca., undifferentiated, NOS	1	1	0	0	2
Carcinosarcoma, NOS	1	0	0	0	1
Leiomyosarcoma, NOS	1	1	1	0	3
Lymphoepithelial ca.	3	0	0	0	3
Malig. lymphoma, NOS	1	0	0	0	1
Neoplasm, malig.	2	0	0	1	3
Papillary S.C.C.	1	0	0	0	1
Spindle cell ca., NOS	2	0	1	2	5
S.C.C. in situ with questionable stromal invasion	9	0	1	1	11
S.C.C. in situ, NOS	92	13	15	5	125
S.C.C., kerat., NOS	20	7	11	2	40
S.C.C., large cell, nonkerat., NOS	6	3	1	0	10
S.C.C., microinvasive	12	1	0	0	13
S.C.C., NOS	1614	227	307	112	2260
S.C.C., small cell, nonkerat.	4	0	0	0	4
S.C.C., spindle cell	2	0	0	0	2
Verrucous ca., NOS	0	1	0	0	1
<b>Total</b>	<b>1784</b>	<b>255</b>	<b>340</b>	<b>125</b>	<b>2504</b>

NOS: not otherwise specified.

ca., Ca.: carcinoma.

S.C.C.: squamous cell carcinoma.

malig., Malig.: malignant.

kerat.: keratinizing.

nonkerat.: nonkeratinizing.

## T and N Status

	<b>N0</b>	<b>N1</b>	<b>N2</b>	<b>N2a</b>	<b>N2b</b>	<b>N2c</b>	<b>N3</b>	<b>NX</b>	<b>N-</b>	<b>Total</b>
T0	2	0	1	0	0	0	0	1	0	4
Tis	121	0	0	0	1	0	0	2	0	124
T1	364	31	0	9	52(2)	13(4)	8	2	1	480
T2	347(2)	83(1)	1	12	207(13)	73(3)	20(4)	0	1	744
T3	115(1)	58(2)	1	9	135(3)	90(11)	17(4)	1	0	426
T4	8	1	5	0	9	4	0	0	0	27
T4a	75(3)	55(2)	2(1)	15	216(8)	112(9)	18(2)	1	0	494
T4b	9	0	0	1(1)	18(1)	27(7)	5	0	0	60
TX	3	0	0	0	1	0	0	6	0	10
T-	2	0	0	0	2	0	0	0	131	135
<b>Total</b>	<b>1046</b>	<b>228</b>	<b>10</b>	<b>46</b>	<b>641</b>	<b>319</b>	<b>68</b>	<b>13</b>	<b>133</b>	<b>2504</b>

M1:85 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

## Postcricoid T and N Status

	<b>N0</b>	<b>N1</b>	<b>N2</b>	<b>N2a</b>	<b>N2b</b>	<b>N2c</b>	<b>N3</b>	<b>NX</b>	<b>N-</b>	<b>Total</b>
T0	0	0	0	0	0	0	0	0	0	0
Tis	12	0	0	0	0	0	0	0	0	12
T1	29	1	0	1	3	2(2)	2	0	0	38
T2	48	10(1)	0	1	13	21(2)	4	0	0	97
T3	19	9	0	1	9	15	1	1	0	55
T4	2	0	0	0	0	0	0	0	0	2
T4a	6	4	0	0	11(2)	13(1)	1	0	0	35
T4b	1	0	0	0	1	2	1	0	0	5
TX	1	0	0	0	0	0	0	0	0	1
T-	0	0	0	0	0	0	0	0	10	10
<b>Total</b>	<b>118</b>	<b>24</b>	<b>0</b>	<b>3</b>	<b>37</b>	<b>53</b>	<b>9</b>	<b>1</b>	<b>10</b>	<b>255</b>

M1:8 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

## Pyriiform sinus

### T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	1	0	1	0	0	0	0	1	0	3
Tis	92	0	0	0	1	0	0	1	0	94
T1	261	25	0	4	42(2)	8(2)	6	1	1	348
T2	241(2)	63	1	10	172(13)	34(1)	16(4)	0	1	538
T3	62	36(2)	1	5	109(2)	42(7)	16(4)	0	0	271
T4	4	1	4	0	8	2	0	0	0	19
T4a	54(3)	41	1	14	187(5)	72(6)	11(1)	0	0	380
T4b	2	0	0	1(1)	11(1)	13(1)	2	0	0	29
TX	1	0	0	0	1	0	0	3	0	5
T-	2	0	0	0	2	0	0	0	93	97
Total	720	166	8	34	533	171	51	6	95	1784

M1:57 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

## Posterior wall

### T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	1	0	0	0	0	0	0	0	0	1
Tis	12	0	0	0	0	0	0	0	0	12
T1	59	3	0	3	4	3	0	0	0	72
T2	48	9	0	1	16	16	0	0	0	90
T3	28(1)	8	0	3	12(1)	29(3)	0	0	0	80
T4	1	0	0	0	0	2	0	0	0	3
T4a	12	5(1)	0	0	6	17(2)	4	0	0	44
T4b	6	0	0	0	5	10(5)	1	0	0	22
TX	0	0	0	0	0	0	0	1	0	1
T-	0	0	0	0	0	0	0	0	15	15
Total	167	25	0	7	43	77	5	1	15	340

M1:2 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

# Hypopharynx, 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	5	0	0	0	0	0	0	1	0	6
T1	15	2	0	1	3	0	0	1	0	22
T2	10	1	0	0	6	2	0	0	0	19
T3	6	5	0	0	5	4(1)	0	0	0	20
T4	1	0	1	0	1	0	0	0	0	3
T4a	3	5(1)	1(1)	1	12(1)	10	2(1)	1(1)	0	35
T4b	0	0	0	0	1	2(1)	1	0	0	4
T-	0	0	0	0	0	0	0	0	13	13
TX	1	0	0	0	0	0	0	2	0	3
<b>Total</b>	<b>41</b>	<b>13</b>	<b>2</b>	<b>2</b>	<b>28</b>	<b>18</b>	<b>3</b>	<b>5</b>	<b>13</b>	<b>125</b>

M1:7 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

## Treatment Method for the Primary Lesion by Subsite

Treatment Method	Postcricoid (C13.0)	Pyriiform sinus (C12.9) (C13.1)	Pyriiform sinus (C13.2)	Hypopharynx, NOS (C13.9)	Total	
Surgery						
without		88	640	124	45	897
with		132	895	169	63	1259
unknown		35	237	46	15	333
Radiotherapy						
without		73	485	105	32	695
with		147	1050	188	76	1461
unknown		35	237	46	15	333
Chemotherapy						
without		83	571	105	42	801
with		137	964	188	66	1355
unknown		35	237	46	15	333
<b>Total</b>		<b>255</b>	<b>1772</b>	<b>339</b>	<b>123</b>	<b>2489</b>

15 patients were no reported Treatment Method for the Primary Lesion by Subsite

NOS: not otherwise specified.

Carcinoma of the Hypopharynx ----- 2504 Cases

Treatment Method for the Cervical Lymph Nodes by Subsite

Treatment Method	Posterioroid (C13.0)	Pyriiform sinus (C12.9) (C13.1)	Pyriiform sinus (C13.2)	Hypopharynx, NOS (C13.9)	Total
Surgery					
without	104	814	161	56	1135
with	108	660	122	52	942
unknown	41	302	55	17	415
Radiotherapy					
without	91	583	128	40	842
with	121	891	155	68	1235
unknown	41	302	55	17	415
Chemotherapy					
without	89	634	123	48	894
with	123	840	160	60	1183
unknown	41	302	55	17	415
<b>Total</b>	<b>253</b>	<b>1776</b>	<b>338</b>	<b>125</b>	<b>2492</b>

12 patients were no reported Treatment Method for the Cervical Lymph Node by Subsite.

NOS: not otherwise specified.

Carcinoma of the Hypopharynx ----- 2504 Cases

**Sequence of Treatment Methods for the Primary Lesion by Subsite**

Sequence of treatment methods	Posterioricoid (C13.0)	Pyriiform sinus (C12.9) (C13.1)	Pyriiform sinus (C13.2)	Hypopharynx, NOS (C13.9)	Total
No treatment	6	30	5	4	45
A) Surg. alone	62	457	96	24	639
F)(Rad.+Chem.)	46	420	77	10	553
B) Rad. alone	21	155	22	12	210
C)F) Chem. -> (Rad.+Chem.)	21	101	27	12	161
A)F) Surg.->(Rad.+Chem.)	14	78	12	10	114
A)B) Surg.->Rad.	5	53	6	8	72
C) Chem. alone	5	39	12	8	64
C)A) Chem.->Surg.	10	37	9	4	60
C)A)F) Chem.->Surg.->(Rad.+Chem.)	4	25	0	1	30
F)C)(Rad.+Chem.)->Chem.	1	21	3	2	27
F)A)(Rad.+Chem.)->Surg.	7	14	1	2	24
C)B) Chem.->Rad.	2	14	5	2	23
A)C) Surg. -> Chem	1	13	4	1	19
C)A)B) Chem.->Surg.->Rad.	2	8	2	1	13
C)F)C) Chem.-> (Rad.+Chem.)->Chem.	2	9	2	0	13
C)C)F) Chem.->Chem.->(Rad.+Chem.)	1	8	2	0	11
G)Surg.+Rad.+Chem.	0	5	3	0	8
A)A) Surg.->Surg.	1	5	0	0	6
A)F)C) Surg.->(Rad.+Chem.)->Chem.	1	4	0	1	6
D)(Surg.+Rad.)	3	2	0	0	5
+ Other	5	37	6	6	54
Unknown	35	237	45	15	332
<b>Total</b>	<b>255</b>	<b>1772</b>	<b>339</b>	<b>123</b>	<b>2489</b>

15 patients were no reported Swquence of treatment method by Subsite

Surg.: surgery.

Rad.: radiotherapy.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.



Carcinoma of the Hypopharynx ----- 2504 Cases

## Treatment Method for the Primary Lesion by T Classification

Treatment Method	T0	Tis	T1	T1a	T1b	T2	T3	T4	T4a	T4b	TX	T-	Total
Surgery													
without	0	13	127	0	0	383	179	3	150	37	4	1	897
with	4	82	298	0	0	303	206	23	305	18	3	17	1259
unknown	0	29	50	0	0	50	40	1	38	5	3	117	333
Radiotherapy													
without	2	63	221	0	0	168	89	7	124	12	5	4	695
with	2	32	204	0	0	518	296	19	331	43	2	14	1461
unknown	0	29	50	0	0	50	40	1	38	5	3	117	333
Chemotherapy													
without	2	70	259	0	0	218	95	8	129	10	6	4	801
with	2	25	166	0	0	468	290	18	326	45	1	14	1355
unknown	0	29	50	0	0	50	40	1	38	5	3	117	333
<b>Total</b>	<b>4</b>	<b>124</b>	<b>475</b>	<b>0</b>	<b>0</b>	<b>736</b>	<b>425</b>	<b>27</b>	<b>493</b>	<b>60</b>	<b>10</b>	<b>135</b>	<b>2489</b>

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	T4a	T4b	TX	T-	Total
A) Surg. alone	4	79	231	136	73	4	93	3	3	13	639
F)(Rad.+Chem.)	0	3	67	276	116	4	68	17	0	2	553
B) Rad. alone	0	10	58	91	23	1	23	3	1	0	210
C)F) Chem. -> (Rad.+Chem.)	0	0	10	51	43	2	48	7	0	0	161
A)F) Surg.->(Rad.+Chem.)	0	0	10	19	30	2	50	3	0	0	114
A)B) Surg.->Rad.	0	1	10	7	12	3	39	0	0	0	72
C) Chem. alone	0	1	12	18	9	3	18	3	0	0	64
C)A) Chem.->Surg.	0	0	2	17	12	3	26	0	0	0	60
No treatment	0	1	4	14	8	0	9	4	3	2	45
C)A)F) Chem.->Surg.->(Rad.+Chem.)	0	0	0	5	6	1	18	0	0	0	30
F)C)(Rad.+Chem.)->Chem.	0	0	4	13	4	0	5	1	0	0	27
F)A)(Rad.+Chem.)->Surg.	0	0	0	8	6	0	9	1	0	0	24
C)B) Chem.->Rad.	0	0	3	6	5	0	7	2	0	0	23
A)C) Surg. -> Chem	0	0	4	3	6	0	6	0	0	0	19
C)A)B) Chem.->Surg.->Rad.	0	0	1	1	3	0	6	2	0	0	13
C)F)C) Chem.-> (Rad.+Chem.)->Chem.	0	0	0	3	2	0	5	3	0	0	13
C)C)F) Chem.->Chem.->(Rad.+Chem.)	0	0	0	4	4	0	2	1	0	0	11
+ Other	0	0	9	14	24	3	23	5	0	1	79
Unknown	0	29	50	50	39	1	38	5	3	117	332
<b>Total</b>	<b>4</b>	<b>124</b>	<b>475</b>	<b>736</b>	<b>425</b>	<b>27</b>	<b>493</b>	<b>60</b>	<b>10</b>	<b>135</b>	<b>2489</b>

15 patients were no reported Swquence of treatment method by T Classification.

T-: without reported T classification

## Postcricoid

### Treatment Method for the Primary Lesion by T Classification

Treatment Method	T0	Tis	T1	T2	T3	T4	T4a	T4b	TX	T-	Total
Surgery											
without	0	2	12	42	15	0	14	2	1	0	88
with	0	6	21	47	37	2	16	2	0	1	132
unknown	0	4	5	8	3	0	5	1	0	9	35
Radiotherapy											
without	0	6	13	20	19	2	10	2	1	0	73
with	0	2	20	69	33	0	20	2	0	1	147
unknown	0	4	5	8	3	0	5	1	0	9	35
Chemotherapy											
without	0	8	20	26	17	1	9	1	1	0	83
with	0	0	13	63	35	1	21	3	0	1	137
unknown	0	4	5	8	3	0	5	1	0	9	35
<b>Total</b>	<b>0</b>	<b>12</b>	<b>38</b>	<b>97</b>	<b>55</b>	<b>2</b>	<b>35</b>	<b>5</b>	<b>1</b>	<b>10</b>	<b>255</b>

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	T4a	T4b	TX	T-	Total
No treatment	0	0	0	1	3	0	1	0	1	0	6
A) Surg. alone	0	6	15	20	13	1	5	1	0	1	62
F)(Rad.+Chem.)	0	0	2	27	10	0	6	1	0	0	46
B) Rad. alone	0	2	6	11	2	0	0	0	0	0	21
C)F) Chem. -> (Rad.+Chem.)	0	0	2	10	5	0	4	0	0	0	21
A)F) Surg.->(Rad.+Chem.)	0	0	2	5	4	0	3	0	0	0	14
C)A) Chem.->Surg.	0	0	0	4	4	1	2	0	0	0	11
F)A)(Rad.+Chem.)->Surg.	0	0	0	4	2	0	0	1	0	0	7
A)B) Surg.->Rad.	0	0	1	0	1	0	3	0	0	0	5
C) Chem. alone	0	0	2	1	0	0	2	0	0	0	5
C)A)F) Chem.->Surg.->(Rad.+Chem.)	0	0	0	1	2	0	1	0	0	0	4
+ Other	0	0	3	5	6	0	3	1	0	0	18
Unknown	0	4	5	8	3	0	5	1	0	9	35
<b>Total</b>	<b>0</b>	<b>12</b>	<b>38</b>	<b>97</b>	<b>55</b>	<b>2</b>	<b>35</b>	<b>5</b>	<b>1</b>	<b>10</b>	<b>255</b>

T-: without reported T classification

## Pyriiform sinus

### Treatment Method for the Primary Lesion by T Classification

Treatment Method	T0	Tis	T1	T2	T3	T4	T4a	T4b	TX	T-	Total
Surgery											
without	0	8	93	289	123	3	101	20	2	1	640
with	3	64	215	210	119	15	250	5	1	13	895
unknown	0	22	37	32	28	1	28	4	2	83	237
Radiotherapy											
without	2	48	160	116	55	4	92	3	1	4	485
with	1	24	148	383	187	14	259	22	2	10	1050
unknown	0	22	37	32	28	1	28	4	2	83	237
Chemotherapy											
without	2	51	185	157	59	6	101	4	2	4	571
with	1	21	123	342	183	12	250	21	1	10	964
unknown	0	22	37	32	28	1	28	4	2	83	237
<b>Total</b>	<b>3</b>	<b>94</b>	<b>345</b>	<b>531</b>	<b>270</b>	<b>19</b>	<b>379</b>	<b>29</b>	<b>5</b>	<b>97</b>	<b>1772</b>

12 patients were no reported Treatment Method for the Primary Lesion by T Classification.

T-: without reported T classification

## Pyriiform sinus

### Sequence of Treatment Methods for the Primary Lesion by T Classification

Sequence of treatment methods	T0	Tis	T1	T2	T3	T4	T4a	T4b	TX	T-	Total
No treatment	0	0	3	12	4	0	7	2	1	1	30
A) Surg. alone	3	62	166	90	44	2	77	1	1	11	457
F)(Rad.+Chem.)	0	3	52	216	81	3	54	10	0	1	420
B) Rad. alone	0	5	44	67	15	1	20	2	1	0	155
C)F) Chem. -> (Rad.+Chem.)	0	0	6	33	25	2	31	4	0	0	101
A)F) Surg.->(Rad.+Chem.)	0	0	6	12	17	2	41	0	0	0	78
A)B) Surg.->Rad.	0	1	7	7	7	2	29	0	0	0	53
C) Chem. alone	0	1	7	13	6	1	11	0	0	0	39
C)A) Chem.->Surg.	0	0	2	9	7	1	18	0	0	0	37
C)A)F) Chem.->Surg.->(Rad.+Chem.)	0	0	0	3	4	1	17	0	0	0	25
F)C)(Rad.+Chem.)->Chem.	0	0	4	12	2	0	2	1	0	0	21
C)B) Chem.->Rad.	0	0	2	4	3	0	5	0	0	0	14
F)A)(Rad.+Chem.)->Surg.	0	0	0	3	3	0	8	0	0	0	14
A)C) Surg. -> Chem	0	0	4	1	3	0	5	0	0	0	13
C)F)C) Chem.-> (Rad.+Chem.)->Chem.	0	0	0	2	2	0	4	1	0	0	9
C)A)B) Chem.->Surg.->Rad.	0	0	1	1	1	0	5	0	0	0	8
C)C)F) Chem.->Chem.->(Rad.+Chem.)	0	0	0	4	2	0	1	1	0	0	8
+ Other	0	0	4	10	16	3	16	3	0	1	53
Unknown	0	22	37	32	28	1	28	4	2	83	237
<b>Total</b>	<b>3</b>	<b>94</b>	<b>345</b>	<b>531</b>	<b>270</b>	<b>19</b>	<b>379</b>	<b>29</b>	<b>5</b>	<b>97</b>	<b>1772</b>

12 patients were no reported Squamous of treatment method by T Classification.

T-: without reported T classification

## Posterior wall

### Treatment Method for the Primary Lesion by T Classification

Treatment Method	T0	Tis	T1	T2	T3	T4	T4a	T4b	TX	T-	Total
Surgery											
without	0	1	16	42	34	0	19	12	0	0	124
with	1	8	48	38	38	3	20	10	1	2	169
unknown	0	3	7	10	8	0	5	0	0	13	46
Radiotherapy											
without	0	7	40	26	12	0	15	4	1	0	105
with	1	2	24	54	60	3	24	18	0	2	188
unknown	0	3	7	10	8	0	5	0	0	13	46
Chemotherapy											
without	0	7	43	28	14	0	9	3	1	0	105
with	1	2	21	52	58	3	30	19	0	2	188
unknown	0	3	7	10	8	0	5	0	0	13	46
<b>Total</b>	<b>1</b>	<b>12</b>	<b>71</b>	<b>90</b>	<b>80</b>	<b>3</b>	<b>44</b>	<b>22</b>	<b>1</b>	<b>15</b>	<b>339</b>

1 patients were no reported Treatment Method for the Primary Lesion by T Classification.

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	T4a	T4b	TX	T-	Total
No treatment	0	1	1	1	0	0	1	1	0	0	5
A) Surg. alone	1	7	40	23	15	0	7	1	1	1	96
F)(Rad.+Chem.)	0	0	11	31	22	1	5	6	0	1	77
C)F) Chem. -> (Rad.+Chem.)	0	0	1	5	11	0	7	3	0	0	27
B) Rad. alone	0	1	6	9	4	0	1	1	0	0	22
A)F) Surg.->(Rad.+Chem.)	0	0	1	1	5	0	3	2	0	0	12
C) Chem. alone	0	0	3	2	2	1	2	2	0	0	12
C)A) Chem.->Surg.	0	0	0	3	2	0	4	0	0	0	9
A)B) Surg.->Rad.	0	0	1	0	3	1	1	0	0	0	6
C)B) Chem.->Rad.	0	0	0	1	1	0	1	2	0	0	5
+ Other	0	0	0	4	8	0	7	4	0	0	23
Unknown	0	3	7	10	7	0	5	0	0	13	45
<b>Total</b>	<b>1</b>	<b>12</b>	<b>71</b>	<b>90</b>	<b>80</b>	<b>3</b>	<b>44</b>	<b>22</b>	<b>1</b>	<b>15</b>	<b>339</b>

1 patients were no reported Squamous of treatment method by T Classification.

T-: without reported T classification



## Hypopharynx,NOS

### Treatment Method for the Primary Lesion by T Classification

Treatment Method	T0	Tis	T1	T2	T3	T4	T4a	T4b	TX	T-	Total
Surgery											
without	0	2	6	10	7	0	16	3	1	0	45
with	0	4	14	8	12	3	19	1	1	1	63
unknown	0	0	1	0	1	0	0	0	1	12	15
Radiotherapy											
without	0	2	8	6	3	1	7	3	2	0	32
with	0	4	12	12	16	2	28	1	0	1	76
unknown	0	0	1	0	1	0	0	0	1	12	15
Chemotherapy											
without	0	4	11	7	5	1	10	2	2	0	42
with	0	2	9	11	14	2	25	2	0	1	66
unknown	0	0	1	0	1	0	0	0	1	12	15
<b>Total</b>	<b>0</b>	<b>6</b>	<b>21</b>	<b>18</b>	<b>20</b>	<b>3</b>	<b>35</b>	<b>4</b>	<b>3</b>	<b>13</b>	<b>123</b>

2 patients were no reported Treatment Method for the Primary Lesion by T Classification.

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	T4a	T4b	TX	T-	Total
No treatment	0	0	0	0	1	0	0	1	1	1	4
A) Surg. alone	0	4	10	3	1	1	4	0	1	0	24
B) Rad. alone	0	2	2	4	2	0	2	0	0	0	12
C)F) Chem. -> (Rad.+Chem.)	0	0	1	3	2	0	6	0	0	0	12
A)F) Surg.->(Rad.+Chem.)	0	0	1	1	4	0	3	1	0	0	10
F)(Rad.+Chem.)	0	0	2	2	3	0	3	0	0	0	10
A)B) Surg.->Rad.	0	0	1	0	1	0	6	0	0	0	8
C) Chem. alone	0	0	0	2	1	1	3	1	0	0	8
C)A) Chem.->Surg.	0	0	0	1	0	1	2	0	0	0	4
+ Other	0	0	3	2	4	0	6	1	0	0	16
Unknown	0	0	1	0	1	0	0	0	1	12	15
<b>Total</b>	<b>0</b>	<b>6</b>	<b>21</b>	<b>18</b>	<b>20</b>	<b>3</b>	<b>35</b>	<b>4</b>	<b>3</b>	<b>13</b>	<b>123</b>

2patients were no reported Squamous of treatment method by T Classification.

NOS: not otherwise specified.

T-: without reported T classification

Carcinoma of the Hypopharynx ----- 2504 Cases

### Surgical Methods for the Primary Lesion by Subsite

Surgical method	Postcricoid (C13.0)	Pyriform sinus (C12.9) (C13.1)	Pyriform sinus (C13.2)	Hypopharynx, NOS (C13.9)	Total
No surgery	536	74	100	42	752
Unknown	531	67	105	31	734
Total pharyngolaryngectomy	215	39	40	14	308
Endoscopic resection	166	12	25	10	213
Transoral resection	147	23	29	7	206
Total pharyngolaryngo-esophagectomy	113	19	19	16	167
Total laryngectomy+Partial pharyngectomy	21	8	1	0	30
Hypopharyngectomy + Cervical esophagec	12	6	4	1	23
Partial hypopharyngectomy	14	1	6	0	21
+ Others	29	6	11	4	50
<b>Total</b>	<b>1784</b>	<b>255</b>	<b>340</b>	<b>125</b>	<b>2504</b>

NOS: not otherwise specified.

## Surgical Methods for the Primary Lesion by T Classification

Surgical method	T0	Tis	T1	T2	T3	T4	T4a	T4b	TX	T-	Total
X0 No surgery	0	11	112	315	144	2	133	30	4	1	752
F5 Total pharyngolaryngectomy	0	0	4	46	79	7	163	6	0	3	308
F1 Endoscopic resection	1	41	132	29	2	0	0	0	2	6	213
F2 Transoral resection	1	31	101	70	2	0	0	0	0	1	206
F6 Total pharyngolaryngo-esophagectomy	0	0	1	23	56	8	72	4	1	2	167
F4 Total laryngectomy+Partial pharyngectomy	0	0	0	8	15	0	7	0	0	0	30
F7 Hypopharyngectomy + Cervical esophagec	0	0	0	5	4	1	12	0	0	1	23
F3 Partial hypopharyngectomy	0	0	6	13	2	0	0	0	0	0	21
+ Others	2	7	19	10	6	0	5	0	0	1	50
V9 Unknown	0	34	105	225	116	9	102	20	3	120	734
<b>Total</b>	<b>4</b>	<b>124</b>	<b>480</b>	<b>744</b>	<b>426</b>	<b>27</b>	<b>494</b>	<b>60</b>	<b>10</b>	<b>135</b>	<b>2504</b>

T-: without reported T classification

## Postcricoid

### Surgical Methods for the Primary Lesion by T Classification

Surgical method	T0	Tis	T1	T2	T3	T4	T4a	T4b	TX	T-	Total
X0 No surgery	0	1	9	34	14	0	13	2	1	0	74
F1 Endoscopic resection	0	1	5	6	0	0	0	0	0	0	12
F2 Transoral resection	0	4	13	5	1	0	0	0	0	0	23
F3 Partial hypopharyngectomy	0	0	0	1	0	0	0	0	0	0	1
F4 Total laryngectomy+Partial pharyngectomy	0	0	0	3	5	0	0	0	0	0	8
F5 Total pharyngolaryngectomy	0	0	2	12	14	0	10	1	0	0	39
F6 Total pharyngolaryngo-esophagectomy	0	0	0	4	10	1	3	1	0	0	19
F7 Hypopharyngectomy + Cervical esophagec	0	0	0	2	0	1	2	0	0	1	6
G1 Endoscopic resection	0	1	1	0	0	0	0	0	0	0	2
G2 Transoral resection	0	0	0	2	0	0	0	0	0	0	2
G5 Total laryngectomy	0	0	0	2	0	0	0	0	0	0	2
V9 Unknown	0	5	8	26	11	0	7	1	0	9	67
<b>Total</b>	<b>0</b>	<b>12</b>	<b>38</b>	<b>97</b>	<b>55</b>	<b>2</b>	<b>35</b>	<b>5</b>	<b>1</b>	<b>10</b>	<b>255</b>

T-: without reported T classification

Carcinoma of the Hypopharynx ----- 2504 Cases

Pyriiform sinus

Surgical Methods for the Primary Lesion by T Classification

Surgical method	T0	Tis	T1	T2	T3	T4	T4a	T4b	TX	T-	Total
X0 No surgery	0	7	83	236	98	2	90	17	2	1	536
E5 Unilateral resection of the lateral wall of the oropharynx, soft palate and the base of tongue	0	0	0	0	0	0	1	0	0	0	1
E9 Resection of the oropharynx, other type	0	0	0	1	0	0	0	0	0	1	2
F1 Endoscopic resection	1	35	107	16	2	0	0	0	0	5	166
F2 Transoral resection	1	23	67	54	1	0	0	0	0	1	147
F3 Partial hypopharyngectomy	0	0	3	9	2	0	0	0	0	0	14
F4 Total laryngectomy+Partial pharyngectomy	0	0	0	4	10	0	7	0	0	0	21
F5 Total pharyngolaryngectomy	0	0	1	26	45	5	133	2	0	3	215
F6 Total pharyngolaryngo-esophagectomy	0	0	0	15	31	6	58	0	1	2	113
F7 Hypopharyngectomy + Cervical esophagec	0	0	0	2	1	0	9	0	0	0	12
G1 Endoscopic resection	0	2	6	0	1	0	0	0	0	0	9
G2 Transoral resection	1	3	2	0	0	0	0	0	0	0	6
G5 Total laryngectomy	0	0	0	0	2	0	2	0	0	0	4
+ Others	0	0	2	3	1	0	1	0	0	0	7
V9 Unknown	0	24	77	172	77	6	79	10	2	84	531
Total	3	94	348	538	271	19	380	29	5	97	1784

T-: without reported T classification

## Posterior wall

## Surgical Methods for the Primary Lesion by T Classification

Surgical method	T0	Tis	T1	T2	T3	T4	T4a	T4b	TX	T-	Total
X0 No surgery	0	1	15	36	25	0	15	8	0	0	100
F1 Endoscopic resection	0	4	13	6	0	0	0	0	1	1	25
F2 Transoral resection	0	2	17	10	0	0	0	0	0	0	29
F3 Partial hypopharyngectomy	0	0	3	3	0	0	0	0	0	0	6
F4 Total laryngectomy+Partial pharyngectomy	0	0	0	1	0	0	0	0	0	0	1
F5 Total pharyngolaryngectomy	0	0	1	6	15	1	15	2	0	0	40
F6 Total pharyngolaryngo-esophagectomy	0	0	1	2	11	0	2	3	0	0	19
F7 Hypopharyngectomy + Cervical esophagec	0	0	0	1	2	0	1	0	0	0	4
G1 Endoscopic resection	0	0	2	0	0	0	0	0	0	0	2
G2 Transoral resection	1	1	4	0	0	0	0	0	0	0	6
G5 Total laryngectomy	0	0	0	1	2	0	0	0	0	0	3
V9 Unknown	0	4	16	24	25	2	11	9	0	14	105
Total	1	12	72	90	80	3	44	22	1	15	340

T-: without reported T classification

## Hypopharynx,NOS

## Surgical Methods for the Primary Lesion by T Classification

Surgical method	T0	Tis	T1	T2	T3	T4	T4a	T4b	TX	T-	Total
X0 No surgery	0	2	5	9	7	0	15	3	1	0	42
F1 Endoscopic resection	0	1	7	1	0	0	0	0	1	0	10
F2 Transoral resection	0	2	4	1	0	0	0	0	0	0	7
F5 Total pharyngolaryngectomy	0	0	0	2	5	1	5	1	0	0	14
F6 Total pharyngolaryngo-esophagectomy	0	0	0	2	4	1	9	0	0	0	16
F7 Hypopharyngectomy + Cervical esophagec	0	0	0	0	1	0	0	0	0	0	1
G2 Transoral resection	0	0	0	1	0	0	0	0	0	0	1
G5 Total laryngectomy	0	0	0	0	0	0	1	0	0	0	1
F9 Others	0	0	2	0	0	0	0	0	0	0	2
V9 Unknown	0	1	4	3	3	1	5	0	1	13	31
Total	0	6	22	19	20	3	35	4	3	13	125

NOS: not otherwise specified.

T-: without reported T classification



Carcinoma of the Hypopharynx ----- 2504 Cases

**Neck Dissection on the Ipsilateral Side by Subsite**

Treatment Method	Postcricoid (C13.0)	Pyriform sinus (C12.9) (C13.1)	Pyriform sinus (C13.2)	Hypopharynx, NOS (C13.9)	Total
0) No N.D.	764	104	153	57	1078
1) Total N.D.	183	31	19	11	244
2) Selective N.D.	306	54	64	26	450
3) Lymph node excision	0	0	0	1	1
8) Others	4	0	3	1	8
9) Unknown	527	66	101	29	723
<b>Total</b>	<b>1784</b>	<b>255</b>	<b>340</b>	<b>125</b>	<b>2504</b>

NOS: not otherwise specified.

N.D.: neck dissection.

**Neck Dissection on the Contralateral Side by Subsite**

Neck dissection	Postcricoid (C13.0)	Pyriform sinus (C12.9) (C13.1)	Pyriform sinus (C13.2)	Hypopharynx, NOS (C13.9)	Total
0) No N.D.	911	121	171	67	1270
1) Total N.D.	81	20	9	8	118
2) Selective N.D.	260	48	55	20	383
3) Lymph node excision	0	0	0	0	0
8) Others	4	0	3	1	8
9) Unknown	528	66	102	29	725
<b>Total</b>	<b>1784</b>	<b>255</b>	<b>340</b>	<b>125</b>	<b>2504</b>

NOS: not otherwise specified.

N.D.: neck dissection.

**Reconstructive Surgery by Subsite**

Reconstructive surgery	Postcricoid (C13.0)	Pyriform sinus (C12.9) (C13.1)	Pyriform sinus (C13.2)	Hypopharynx, NOS (C13.9)	Total
No reconstruction	1147	153	218	72	1590
Free jejunal flap	310	54	54	24	442
Free ALT flap	16	3	0	0	19
Gastric pull-up	5	3	3	3	14
Free FA flap	8	0	4	0	12
PM MC flap	8	2	0	0	10
DP flap	2	0	0	1	3
Free RA MC flap	1	0	1	0	2
Local skin flap	1	0	0	0	1
Mucosal flap	1	0	0	0	1
Unknown	283	40	57	30	410
<b>Total</b>	<b>1782</b>	<b>255</b>	<b>337</b>	<b>130</b>	<b>2504</b>

RA: rectus abdominis.

MC: musclocutaneous.

ALT: anterolateral thigh.

FA: forearm.

PM: pectoralis major.

OC: osteocutaneous.

DP: deltopectoral.

NOS: not otherwise specified.

Carcinoma of the Hypopharynx ----- 2504 Cases

**Radiotherapy by Subsite**

Type of radiotherapy	Posterioricoid (C13.0)	Pyriform sinus (C12.9) (C13.1)	Pyriform sinus (C13.2)	Hypopharynx, NOS (C13.9)	Total
0) No radiotherapy	498	71	105	31	705
1) X-ray (and/or electron beam)	955	134	167	68	1324
2) Particle beam	2	0	0	0	2
9) Unknown	329	50	68	26	473
<b>Total</b>	<b>1784</b>	<b>255</b>	<b>340</b>	<b>125</b>	<b>2504</b>

NOS: not otherwise specified.

**Chemotherapy by Subsite**

Route of administration	Posterioricoid (C13.0)	Pyriform sinus (C12.9) (C13.1)	Pyriform sinus (C13.2)	Hypopharynx, NOS (C13.9)	Total
0) No chemotherapy	645	90	118	46	899
1) I.V.	745	112	148	51	1056
2) I.A.	9	0	1	0	10
3) Oral	55	3	9	6	73
4) I.V.+I.A.	4	0	0	0	4
5) I.V.+Oral	21	5	3	2	31
9) Unknown	305	45	61	20	431
<b>Total</b>	<b>1784</b>	<b>255</b>	<b>340</b>	<b>125</b>	<b>2504</b>

Oropharynx(2016)

1976 Cases

Carcinoma of the Oropharynx ----- 1976 Cases

## Primary Site

Site	Number of patients	(%)
Superiorwall	182	( 9.2 )
Lateralwall	1150	( 58.2 )
Posteriorwall	142	( 7.2 )
Anteriorwall	453	( 22.9 )
OropharynxNOS	49	( 2.5 )
<b>Total</b>	<b>1976</b>	<b>( 100.0 )</b>

NOS: not otherwise specified.

## Age Distribution by Gender

Age	Male	Female	Total
0 - 9	0	0	0
10 - 19	2	0	2
20 - 29	1	2	3
30 - 39	13	9	22
40 - 49	88	35	123
50 - 59	320	67	387
60 - 69	628	122	750
70 - 79	430	81	511
80 - 89	137	30	167
90 - 99	5	6	11
100 - 109	0	0	0
<b>Total</b>	<b>1624</b>	<b>352</b>	<b>1976</b>

Carcinoma of the Oropharynx ----- 1976 Cases

## Histological Distribution by Subsite

Histologic type	Superior wall	Later wall	Posterior wall	Anterior wall	Oropharynx, NOS	Total
Acinar cell ca.	2	0	0	0	0	2
Adenocarcinoma, NOS	3	2	0	3	0	8
Adenoid cystic ca.	4	1	0	4	0	9
Basal cell carcinoma, NOS	1	1	0	0	0	2
Basaloid S.C.C.	0	1	0	2	0	3
Ca. ex pleomorphic adenoma	1	1	0	0	0	2
Ca., NOS	2	2	0	3	1	8
Ca., undifferentiated, NOS	0	2	0	1	0	3
Carcinosarcoma, NOS	0	0	0	1	0	1
Clear cell ca., NOS	0	1	0	1	0	2
Cystadenocarcinoma	1	0	0	0	0	1
Lymphoepithelial ca.	0	6	0	0	0	6
Malignant lymphoma, NOS	0	9	0	2	0	11
Malignant melanoma, NOS	1	0	0	1	0	2
Mucoepidermoid ca.	2	2	0	6	0	10
Myoepithelial ca.	0	1	0	0	0	1
Neoplasm, malignant	0	0	0	1	0	1
Papillary S.C.C.	0	0	0	1	0	1
Rhabdomyosarcoma, NOS	0	0	0	0	1	1
Small cell ca., NOS	1	1	1	1	0	4
Spindle cell ca., NOS	1	0	1	0	0	2
S.C.C. in situ with questionable stromal invasion	0	0	1	0	0	1
S.C.C. in situ, NOS	13	18	12	6	1	50
S.C.C., kerat., NOS	5	21	8	12	1	47
S.C.C., large cell, nonkerat., NOS	2	30	3	3	0	38
S.C.C., microinvasive	1	0	1	1	0	3
S.C.C., NOS	138	1037	112	404	45	1736
S.C.C., small cell, nonkerat.	1	5	0	0	0	6
S.C.C., spindle cell	2	1	2	0	0	5
Transitional cell ca., NOS	1	0	0	0	0	1
Verrucous ca., NOS	0	1	0	0	0	1
Malignant lymphoma, large B-cell, diffuse, NOS	0	5	0	0	0	5
Mature T-cell lymphoma, NOS	0	1	0	0	0	1
Synovial sarcoma, NOS	0	1	0	0	0	1
Malignant peripheral nerve sheath tumor	0	0	1	0	0	1
Total	182	1150	142	453	49	1976

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

S.C.C.: squamous cell carcinoma.  
kerat.: keratinizing.

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

Carcinoma of the Oropharynx ----- 1976 Cases

## T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	2	2	0	0	2	0	1(1)	0	0	7
Tis	33	0	1	0	0	0	0	2	0	36
T1	213	29	2	27	100(4)	20(1)	<b>10(2)</b>	2	0	<b>403</b>
T2	235	94(2)	2	41(1)	267(5)	70(3)	25(2)	1	2	737
T2a	1	0	0	0	0	0	0	0	0	1
T3	68	28(1)	1	6	86(5)	53(3)	10(1)	1	1	254
T4	5	2	0	0	2	2	1	0	0	12
T4a	56(1)	33(1)	2(1)	3	106(7)	91(11)	8(2)	0	1	300
T4b	10	7	0	1	28(2)	34(5)	3(1)	0	0	83
TX	0	2	0	4	6	0	1	9	0	22
T-	1	0	0	0	2	0	0	0	118	121
<b>Total</b>	<b>624</b>	<b>197</b>	<b>8</b>	<b>82</b>	<b>599</b>	<b>270</b>	<b>59</b>	<b>15</b>	<b>122</b>	<b>1976</b>

M1:62 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

## Treatment Method for the Primary Lesion by Subsite

Treatment Method	Superior wall	Later wall	Posterior wall	Anterior wall	Oropharynx, NOS	Total
Surgery						
without	44	458	39	198	27	766
with	106	537	79	185	15	922
unknown	28	141	24	62	7	262
Radiotherapy						
without	80	242	48	89	14	473
with	70	753	70	294	28	1215
unknown	28	141	24	62	7	262
Chemotherapy						
without	96	301	58	110	20	585
with	54	694	60	273	22	1103
unknown	28	141	24	62	7	262
<b>Total</b>	<b>178</b>	<b>1136</b>	<b>142</b>	<b>445</b>	<b>49</b>	<b>1950</b>

26 patients were no reported Treatment Method for the Primary Lesion by Subsite

Carcinoma of the Oropharynx ----- 1976 Cases

## Treatment Method for the Cervical Lymph Nodes by Subsite

Treatment Method	Superior wall	Later wall	Posterior wall	Anterior wall	Oropharynx, NOS	Total
Surgery						
without	108	527	78	209	31	953
with	44	449	35	168	11	707
unknown	30	161	29	71	7	298
Radiotherapy						
without	93	296	59	120	17	585
with	59	680	54	257	25	1075
unknown	30	161	29	71	7	298
Chemotherapy						
without	103	343	66	134	22	668
with	49	633	47	243	20	992
unknown	30	161	29	71	7	298
Total	448	1137	142	182	49	1958

18 patients were no reported Treatment Method for the Cervical Lymph Nodes by Subsite.

## Sequence of Treatment Methods for the Primary Lesion by Subsite

Sequence of treatment methods	Superior wall	Later wall	Posterior wall	Anterior wall	Oropharynx, NOS	Total
No treatment	3	26	1	11	3	44
F)(Rad.+Chem.)	27	326	31	127	12	523
A) Surg. alone	82	207	56	69	6	420
B) Rad. alone	13	96	10	34	8	161
C)F) Chem. -> (Rad.+Chem.)	4	76	6	43	3	132
A)F) Surg.->(Rad.+Chem.)	4	58	1	15	1	79
A)B) Surg.->Rad.	7	45	3	14	2	71
C)A) Chem.->Surg.	0	29	1	11	1	42
C) Chem. alone	0	21	2	17	1	41
F)C)(Rad.+Chem.)->Chem.	2	16	2	7	0	27
C)B) Chem.->Rad.	2	17	0	7	0	26
C)A)F) Chem.->Surg.->(Rad.+Chem.)	0	11	0	7	1	19
A)C) Surg. -> Chem	1	9	0	2	1	13
F)A)(Rad.+Chem.)->Surg.	0	9	0	3	0	12
C)F)C) Chem.-> (Rad.+Chem.)->Chem.	0	7	0	2	1	10
C)A)B) Chem.->Surg.->Rad.	0	6	0	1	0	7
B)C) Rad.->Chem.	1	2	2	1	0	6
A)A) Surg.->Surg.	2	2	0	1	0	5
C)A)C) Chem.->Surg.->Chem.	1	4	0	0	0	5
C)C)F) Chem.->Chem.->(Rad.+Chem.)	0	2	0	3	0	5
+ Other	1	28	3	8	2	42
Unknown	28	139	24	62	7	260
Total	178	1136	142	445	49	1950

26 patients were no reported Sequence of Treatment method for the Primary Lesion by Subsite.

Surg.: surgery.

Rad.: radiotherapy.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Oropharynx ----- 1976 Cases

## Surgical Methods for the Primary Lesion by Subsite

Surgical method	Superior wall	Later wall	Posterior wall	Anterior wall	Oropharynx, NOS	Total
X0 No surgery	41	392	36	179	25	673
E3 Unilateral resection of the lateral wall of the oropharynx	1	267	1	1	0	270
E9 Resection of the oropharynx, other type	3	54	2	20	6	85
E1 Resection of the root of tongue	0	0	0	64	2	66
E8 Resection of the soft palate	60	2	2	0	1	65
E6 Resection of the posterior wall	0	0	47	1	0	48
E4 Unilateral resection of the lateral wall of the oropharynx	9	27	0	0	0	36
E7 Resection of the uvula	21	2	0	0	1	24
E2 Resection of the base of tongue and epiglottis	0	2	1	14	0	17
E5 Unilateral resection of the lateral wall of the oropharynx	0	9	0	6	0	15
A6 Total glossectomy	0	1	0	10	0	11
A5 Subtotal glossectomy	0	2	0	7	0	9
F2 Transoral resection	1	5	1	0	0	7
G5 Total laryngectomy	0	2	1	3	0	6
F1 Endoscopic resection	0	4	1	0	0	5
Others	3	14	7	3	2	29
V9 Unknown	43	366	43	145	12	609
Total	182	1149	142	453	49	1975

1 patients were no reported Surgical method for the Primary Lesion by Subsite.

NOS: not otherwise specified.



Carcinoma of the Oropharynx ----- 1976 Cases

## Reconstructive Surgery by Subsite

Reconststructive surgery	Superior wall	Later wall	Posterior wall	Anterior wall	Oropharynx, NOS	Total
0) No reconstruction	134	851	101	326	39	1451
9) Unknown	34	196	32	72	6	340
D) Free RA MC flap	3	31	0	26	1	61
E) Free ALT flap	6	40	2	9	1	58
C) Free FA flap	3	14	0	7	1	25
B) Free jejunal flap	0	2	6	5	0	13
5) PM MC flap	0	6	0	5	0	11
8) Others	0	5	0	1	0	6
3) Mucosal flap	2	3	0	0	0	5
2) Local skin flap	0	0	0	1	1	2
4) DP flap	0	1	1	0	0	2
6) Others	0	0	0	1	0	1
F) Free scapular OC flap	0	1	0	0	0	1
<b>Total</b>	<b>182</b>	<b>1150</b>	<b>142</b>	<b>453</b>	<b>49</b>	<b>1976</b>

NOS: not otherwise specified.

Carcinoma of the Oropharynx ----- 1976 Cases

### Neck Dissection on the Ipsilateral Side by Subsite

Neck dissection	Superior wall	Later wall	Posterior wall	Anterior wall	Oropharynx, NOS	Total
0) No N.D.	110	493	78	197	30	908
1) Total N.D.	7	123	4	52	4	190
2) Selective N.D.	21	182	10	66	4	283
3) Lymph node excision	0	4	0	0	0	4
8) Others	1	2	0	0	0	3
9) Unknown	43	346	50	138	11	588
<b>Total</b>	<b>182</b>	<b>1150</b>	<b>142</b>	<b>453</b>	<b>49</b>	<b>1976</b>

NOS: not otherwise specified.

N.D.: neck dissection.

### Neck Dissection on the Contralateral Side by Subsite

Neck dissection	Superior wall	Later wall	Posterior wall	Anterior wall	Oropharynx, NOS	Total
0) No N.D.	125	763	83	266	35	1272
1) Total N.D.	3	11	2	14	1	31
2) Selective N.D.	9	28	6	35	2	80
3) Lymph node excision	0	0	0	0	0	0
8) Others	1	2	0	0	0	3
9) Unknown	44	346	51	138	11	590
<b>Total</b>	<b>182</b>	<b>1150</b>	<b>142</b>	<b>453</b>	<b>49</b>	<b>1976</b>

NOS: not otherwise specified.

N.D.: neck dissection.

Carcinoma of the Oropharynx ----- 1976 Cases

### Radiotherapy by Subsite

Type of radiotherapy	Superior wall	Later wall	Posterior wall	Anterior wall	Oropharynx, NOS	Total
0) No radiotherapy	83	254	49	97	11	494
1) X-ray (and/or electron beam)	65	696	57	269	29	1116
2) Particle beam	0	0	0	1	0	1
4) X-ray + Particle beam	0	1	0	0	0	1
9) Unknown	34	199	36	86	9	364
<b>Total</b>	<b>182</b>	<b>1150</b>	<b>142</b>	<b>453</b>	<b>49</b>	<b>1976</b>

NOS: not otherwise specified.

B.T.: brachytherapy.

### Chemotherapy by Subsite

Route of administration	Superior wall	Later wall	Posterior wall	Anterior wall	Oropharynx, NOS	Total
0) No chemotherapy	103	350	67	123	18	661
1) I.V.	45	574	42	218	20	899
2) I.A.	0	6	2	11	0	19
3) Oral	0	22	2	12	2	38
4) I.V.+I.A.	0	0	0	3	0	3
5) I.V.+Oral	1	19	0	8	0	28
6) I.A.+Oral	0	1	0	0	0	1
8) Others	0	0	0	0	1	1
9) Unknown	33	178	29	78	8	326
<b>Total</b>	<b>182</b>	<b>1150</b>	<b>142</b>	<b>453</b>	<b>49</b>	<b>1976</b>

I.V.: intravenous.

I.A.: intraarterial.

NOS: not otherwise specified.

Carcinoma of the Nasopharynx ----- 382 Cases

Nasopharynx(2016)

382 Cases

## Primary Site

Site	Number of patients	(%)
Posteriosuperiorwall	167	( 43.7 )
Lateralwall	160	( 41.9 )
Inferiorwall	4	( 1.0 )
NasopharynxNOS	51	( 13.4 )
<b>Total</b>	<b>382</b>	<b>( 100.0 )</b>

NOS: not otherwise specified.

## Age Distribution by Gender

Age	Male	Female	Total
0 - 9	1	0	1
10 - 19	1	1	2
20 - 29	3	4	7
30 - 39	10	5	15
40 - 49	35	22	57
50 - 59	81	20	101
60 - 69	79	15	94
70 - 79	59	19	78
80 - 89	14	10	24
90 - 99	1	2	3
100 - 109	0	0	0
<b>Total</b>	<b>284</b>	<b>98</b>	<b>382</b>

Carcinoma of the Nasopharynx ----- 382 Cases

## Histological Distribution by Subsite

Histologic type	Postero-superior wall	Lateral wall	Inferior wall	Nasopharynx, NOS	Total
Adenocarcinoma, NOS	1	0	0	1	2
Adenoid cystic ca.	2	1	0	1	4
Basaloid S.C.C.	1	0	0	0	1
Ca., NOS	6	7	0	5	18
Ca., undifferentiated, NOS	9	9	0	1	19
Carcinosarcoma, NOS	0	0	0	1	1
Lymphoepithelial ca.	19	23	0	2	44
Malignant lymphoma, NOS	0	0	0	1	1
Neoplasm, malignant	0	2	0	0	2
Rhabdomyosarcoma, NOS	0	0	0	1	1
Small cell ca., NOS	0	1	0	0	1
Spindle cell ca., NOS	1	1	0	0	2
S.C.C. in situ, NOS	1	0	0	0	1
S.C.C., kerat., NOS	5	2	0	0	7
S.C.C., large cell, nonkerat., NOS	7	13	0	4	24
S.C.C., microinvasive	1	0	0	0	1
S.C.C., NOS	105	97	4	34	240
S.C.C., small cell, nonkerat.	9	3	0	0	12
Malignant lymphoma, large B-cell, diffuse, NOS	0	1	0	0	1
<b>Total</b>	<b>167</b>	<b>160</b>	<b>4</b>	<b>51</b>	<b>382</b>

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

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

S.C.C.: squamous cell carcinoma.  
nonkerat.: nonkeratinizing.

## T and N Status

	<b>N0</b>	<b>N1</b>	<b>N2</b>	<b>N3</b>	<b>N3a</b>	<b>N3b</b>	<b>NX</b>	<b>N-</b>	<b>Total</b>
T1	30	41(1)	23(3)	3(1)	1	8(1)	0	0	106
T2	21(1)	25	33(5)	1(1)	0	8(3)	0	0	88
T3	13(3)	27(2)	33(2)	2	0	7(3)	0	0	82
T4	8(1)	17(2)	38(5)	4(3)	0	12(5)	0	1	80
T4b	0	0	0	1	0	0	0	0	1
TX	1	0	1	0	0	0	1	0	3
T-	0	0	0	0	0	0	0	22	22
<b>Total</b>	<b>73</b>	<b>110</b>	<b>128</b>	<b>11</b>	<b>1</b>	<b>35</b>	<b>1</b>	<b>23</b>	<b>382</b>

M1:42 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

### Treatment Method for the Primary Lesion by Subsite

Treatment Method	Postero-superior wall	Lateral wall	Inferior wall	Nasopharynx, NOS	Total
Surgery					
without	126	108	2	35	271
with	26	33	2	12	73
unknown	<b>15</b>	<b>19</b>	<b>0</b>	<b>4</b>	<b>38</b>
Radiotherapy					
without	9	13	2	5	29
with	143	128	2	42	315
unknown	15	19	0	4	38
Chemotherapy					
without	19	22	3	6	50
with	133	119	1	41	294
unknown	15	19	0	4	38
<b>Total</b>	<b>167</b>	<b>160</b>	<b>4</b>	<b>51</b>	<b>382</b>

NOS: not otherwise specified.

### Treatment Method for the Cervical Lymph Nodes by Subsite

Treatment Method	Postero-superior wall	Lateral wall	Inferior wall	Nasopharynx, NOS	Total
Surgery					
without	122	108	4	34	268
with	25	29	0	8	62
unknown	20	21	0	8	49
Radiotherapy					
without	28	23	2	13	66
with	119	114	2	29	264
unknown	20	21	0	8	49
Chemotherapy					
without	28	32	3	13	76
with	119	105	1	29	254
unknown	20	21	0	8	49
<b>Total</b>	<b>167</b>	<b>158</b>	<b>4</b>	<b>50</b>	<b>379</b>

3 patients were not reported Treatment Method for the Cervical Lymph Nodes by Subsite.

NOS: not otherwise specified.

Carcinoma of the Nasopharynx ----- 382 Cases

**Sequence of Treatment Methods for the Primary Lesion by Subsite**

Sequence of treatment methods	Postero-superior wall	Lateral wall	Inferior wall	Nasopharynx, NOS	Total
No treatment	2	4	0	3	9
F)(Rad.+Chem.)	88	72	1	23	184
B) Rad. alone	21	19	1	6	47
F)C)(Rad.+Chem.)->Chem.	15	21	0	3	39
C) Chem. alone	5	9	0	6	20
C)F) Chem. -> (Rad.+Chem.)	8	9	0	3	20
A) Surg. alone	2	2	2	1	7
Other	11	5	0	2	18
Unknown	15	19	0	4	38
<b>Total</b>	<b>167</b>	<b>160</b>	<b>4</b>	<b>51</b>	<b>382</b>

NOS: not otherwise specified.

Surg.: surgery.

Rad.: radiotherapy.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.

**Surgical Methods for the Primary Lesion by Subsite**

Surgical method	Postero-superior wall	Lateral wall	Inferior wall	Nasopharynx, NOS	Total
X0 No surgery	96	89	1	26	212
+ Others	3	3	2	1	9
V9 Unknown	68	68	1	24	161
<b>Total</b>	<b>167</b>	<b>160</b>	<b>4</b>	<b>51</b>	<b>382</b>

NOS: not otherwise specified.

**Reconstructive Surgery by Subsite**

Reconstuctive surgery	Postero-superior wall	Lateral wall	Inferior wall	Nasopharynx, NOS	Total
0) No reconstruction	136	137	4	39	316
9) Unknown	31	23	0	12	66
<b>Total</b>	<b>167</b>	<b>160</b>	<b>4</b>	<b>51</b>	<b>382</b>

NOS: not otherwise specified.



Carcinoma of the Nasopharynx ----- 382 Cases

Neck Dissection on the Ipsilateral Side by Subsite

Neck dissection	Postero-superior wall	Lateral wall	Inferior wall	Nasopharynx, NOS	Total
0) No N.D.	98	97	4	27	226
1) Total N.D.	2	1	0	1	4
2) Selective N.D.	4	0	0	1	5
9) Unknown	63	62	0	22	147
<b>Total</b>	<b>167</b>	<b>160</b>	<b>4</b>	<b>51</b>	<b>382</b>

NOS: not otherwise specified.

N.D.: neck dissection.

Neck Dissection on the Contralateral Side by Subsite

Neck dissection	Postero-superior wall	Lateral wall	Inferior wall	Nasopharynx, NOS	Total
0) No N.D.	103	98	4	29	234
2) Selective N.D.	1	0	0	0	1
9) Unknown	63	62	0	22	147
<b>Total</b>	<b>167</b>	<b>160</b>	<b>4</b>	<b>51</b>	<b>382</b>

NOS: not otherwise specified.

N.D.: neck dissection.

Radiotherapy by Subsite

Type of radiotherapy	Postero-superior wall	Lateral wall	Inferior wall	Nasopharynx, NOS	Total
0) No radiotherapy	9	14	2	3	28
1) X-ray (and/or electron beam)	137	119	2	36	294
9) Unknown	21	27	0	12	60
<b>Total</b>	<b>167</b>	<b>160</b>	<b>4</b>	<b>51</b>	<b>382</b>

NOS: not otherwise specified.

Chemotherapy by Subsite

Route of administration	Postero-superior wall	Lateral wall	Inferior wall	Nasopharynx, NOS	Total
0) No chemotherapy	23	25	3	4	55
1) I.V.	116	104	1	34	255
2) I.A.	1	0	0	0	1
3) Oral	0	2	0	0	2
5) I.V.+Oral	6	3	0	0	9
9) Unknown	21	26	0	13	60
<b>Total</b>	<b>167</b>	<b>160</b>	<b>4</b>	<b>51</b>	<b>382</b>

NOS: not otherwise specified.

I.V.: intravenous.

I.A.: intraarterial.

Nasal Cavity and Paranasal Sinuses  
(Excluding the Maxillary Sinus)  
(2016)

420 Cases

## Primary Site

Site	Number of patients	(%)
Nasalcavity	271	( 64.5 )
Ethmoidsinus	80	( 19.0 )
Frontalsinus	7	( 1.7 )
Sphenoidsinus	14	( 3.3 )
ParanasalsinusNOS	48	( 11.4 )
<b>Total</b>	<b>420</b>	<b>( 100.0 )</b>

NOS: not otherwise specified.

## Age Distribution by Gender

Age	Male	Female	Total
0 - 9	0	0	0
10 - 19	0	0	0
20 - 29	7	1	8
30 - 39	16	6	22
40 - 49	27	17	44
50 - 59	38	16	54
60 - 69	77	44	121
70 - 79	69	42	111
80 - 89	31	24	55
90 - 99	2	3	5
100 - 109	0	0	0
<b>Total</b>	<b>267</b>	<b>153</b>	<b>420</b>

NOS: not otherwise specified.

Carcinoma of the Nasal Cavity and Paranasal Sinuses -----420 Cases

## Histological Distribution by Subsite

Histologic type	Nasal cavity	Ethmoid sinus	Frontal sinus	Sphenoid sinus	Paranasal sinus, NOS	Total
Adenocarcinoma, NOS	13	1	0	1	1	16
Adenoid cystic ca.	19	1	0	1	2	23
Adenosquamous ca.	0	0	0	1	0	1
Basal cell ca., NOS	2	0	1	0	0	3
Basaloid S.C.C.	5	0	0	0	0	5
Ca., NOS	4	6	0	3	2	15
Ca., undifferentiated, NOS	3	2	0	0	0	5
Chondrosarcoma, NOS	2	0	0	0	0	2
Hemangiosarcoma	1	0	0	0	1	2
Leiomyosarcoma, NOS	0	0	0	0	1	1
Lymphoepithelial ca.	1	0	0	0	0	1
Malig. lymphoma, NOS	8	1	0	0	2	11
Malig. melanoma, NOS	69	5	1	0	13	88
Mucoepidermoid ca.	2	0	0	0	1	3
Myoepithelial ca.	2	0	0	0	0	2
Neoplasm, malig.	1	0	0	0	0	1
Olfactory neuroblastoma	36	10	0	1	7	54
Papillary S.C.C.	1	0	0	1	0	2
Plasmacytoma, NOS	0	0	0	0	1	1
Rhabdomyosarcoma, NOS	3	2	0	0	1	6
Salivary duct ca.	3	0	0	0	0	3
Small cell ca., NOS	7	6	0	0	2	15
Spindle cell ca., NOS	1	0	0	0	1	2
S.C.C. in situ with questionable stromal invasion	0	1	0	0	0	1
S.C.C. in situ, NOS	5	0	0	0	0	5
S.C.C., kerat., NOS	2	0	0	0	1	3
S.C.C., large cell, nonkerat., NOS	3	1	0	0	1	5
S.C.C., NOS	69	42	5	6	10	132
S.C.C., small cell, nonkerat.	2	0	0	0	0	2
Transitional cell ca., NOS	1	1	0	0	0	2
Neuroendocrine ca., NOS	2	0	0	0	0	2
Plasma cell myeloma/ plasmacytoma	1	0	0	0	0	1
Desmoplastic small round cell tumor	0	1	0	0	0	1
Epithelioid hemangioendothelioma, NOS	1	0	0	0	0	1
Papillary adenocarcinoma, NOS	0	0	0	0	1	1
NK/T-cell lymphoma, nasal and nasalttype	2	0	0	0	0	2
<b>Total</b>	<b>271</b>	<b>80</b>	<b>7</b>	<b>14</b>	<b>48</b>	<b>420</b>

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

ca., Ca.: carcinoma.  
kerat.: keratinaizing.

S.C.C.: squamous cell carcinoma.  
nonkerat.: nonkeratinizing.

## T and N Status

	N0	N1	N2	N2b	N2c	NX	N-	Total
T0	2	1(1)	0	0	0	0	0	3
Tis	5	0	0	0	0	0	0	5
T1	53(1)	2	0	1	1	0	0	57
T2	40(1)	1	0	2	2	0	0	45
T3	63(2)	2	0	1	5(1)	0	0	71
T4	12(2)	0	0	2(1)	0	0	0	14
T4a	56(1)	6(2)	1	5	0	0	1(1)	69
T4b	61(6)	2	0	1	3(1)	2	1(1)	70
TX	4(1)	0	0	0	0	13	0	17
T-	10	2	0	0	1	0	56	69
<b>Total</b>	<b>306</b>	<b>16</b>	<b>1</b>	<b>12</b>	<b>12</b>	<b>15</b>	<b>58</b>	<b>420</b>

M1:22 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

## Treatment Method for the Primary Lesion by Subsite

Treatment Method	Nasal cavity	Ethmoid sinus	Frontal sinus	Sphenoid sinus	Paranasal sinus, NOS	Total
Surgery						
without	73	44	1	7	15	140
with	157	27	6	4	30	224
unknown	41	9	0	3	3	56
Radiotherapy						
without	78	7	2	4	15	106
with	152	64	5	7	30	258
unknown	41	9	0	3	3	56
Chemotherapy						
without	112	16	2	3	21	154
with	118	55	5	8	24	210
unknown	41	9	0	3	3	56
<b>Total</b>	<b>271</b>	<b>80</b>	<b>7</b>	<b>14</b>	<b>48</b>	<b>420</b>

NOS: not otherwise specified.

### Treatment Method for the Cervical Lymph Nodes by Subsite

Treatment Method	Nasal cavity	Ethmoid sinus	Frontal sinus	Sphenoid sinus	Paranasal sinus, NOS	Total
Surgery						
without	164	50	6	8	33	261
with	42	15	1	2	6	66
unknown	64	15	0	4	9	92
Radiotherapy						
without	148	41	6	6	31	232
with	58	24	1	4	8	95
unknown	64	15	0	4	9	92
Chemotherapy						
without	145	41	5	5	30	226
with	61	24	2	5	9	101
unknown	64	15	0	4	9	92
<b>Total</b>	<b>14</b>	<b>80</b>	<b>7</b>	<b>270</b>	<b>48</b>	<b>419</b>

1 patients were no reported Treatment Method for the Cervical Lymph Nodes by Primary Site.

NOS: not otherwise specified.

### Sequence of Treatment Methods for the Primary Lesion by Subsite

Sequence of treatment methods	Nasal cavity	Ethmoid sinus	Frontal sinus	Sphenoid sinus	Paranasal sinus, NOS	Total
No treatment	3	3	0	1	3	10
A) Surg. alone	76	3	2	1	12	94
F)(Rad.+Chem.)	21	23	2	4	3	53
A)B) Surg.->Rad.	37	4	0	0	6	47
B) Rad. alone	28	7	0	3	6	44
A)F) Surg.->(Rad.+Chem.)	7	3	1	0	4	15
C)F) Chem. -> (Rad.+Chem.)	7	5	0	0	0	12
F)C)(Rad.+Chem.)->Chem.	6	5	0	0	0	11
C) Chem. alone	8	0	0	2	0	10
C)B) Chem.->Rad.	6	3	0	0	1	10
A)C) Surg. -> Chem	5	1	0	0	2	8
B)C) Rad.->Chem.	4	2	0	0	2	8
F)A)(Rad.+Chem.)->Surg.	1	3	0	0	1	5
+ Other	21	9	2	0	5	37
Unknown	41	9	0	3	3	56
<b>Total</b>	<b>271</b>	<b>80</b>	<b>7</b>	<b>14</b>	<b>48</b>	<b>420</b>

NOS: not otherwise specified.

Surg.: surgery.

Rad.: radiotherapy.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.

Carcinoma of the Nasal Cavity and Paranasal Sinuses -----420 Cases

## Surgical Methods for the Primary Lesion by Subsite

Surgical method	Nasal cavity	Ethmoid sinus	Frontal sinus	Sphenoid sinus	Paranasal sinus, NOS	Total
X0 No surgery	62	38	1	7	15	123
D9 Maxillectomy, other type	48	3	1	1	9	62
D1 Partial maxillectomy	17	2	0	0	5	24
D4 Skull base surgery	3	7	3	0	2	15
D5 Endoscopic skull base surgery	8	3	0	0	2	13
D2 Total maxillectomy	1	0	0	0	2	3
+ Others	60	4	1	0	6	71
V9 Unknown	72	23	1	6	7	109
Total	271	80	7	14	48	420

NOS: not otherwise specified.

## Reconstructive Surgery by Subsite

Reconstructive surgery	Nasal cavity	Ethmoid sinus	Frontal sinus	Sphenoid sinus	Paranasal sinus, NOS	Total
0) No reconstruction	196	55	4	11	37	303
E) Free ALT flap	2	2	2	0	3	9
2) Local skin flap	5	1	0	0	1	7
3) Mucosal flap	2	1	0	0	1	4
D) Free RA MC flap	3	0	1	0	0	4
1) Skin graft	1	0	0	0	1	2
C) Free FA flap	2	0	0	0	0	2
4) DP flap	1	0	0	0	0	1
G) Free fibular OC flap	1	0	0	0	0	1
8) Others	3	4	0	0	1	8
9) Unknown	55	17	0	3	4	79
Total	271	80	7	14	48	420

NOS: not otherwise specified.

## Neck Dissection on the Ipsilateral Side by Subsite

Neck dissection	Nasal cavity	Ethmoid sinus	Frontal sinus	Sphenoid sinus	Paranasal sinus, NOS	Total
0) No N.D.	165	50	6	8	36	265
1) Total N.D.	3	3	0	0	2	8
2) Selective N.D.	10	3	0	0	1	14
8) Others	5	3	0	0	0	8
9) Unknown	88	21	1	6	9	125
Total	271	80	7	14	48	420

NOS: not otherwise specified.

N.D.: neck dissection.

Carcinoma of the Nasal Cavity and Paranasal Sinuses -----420 Cases

## Neck Dissection on the Contralateral Side by Subsite

Neck dissection	Nasal cavity	Ethmoid sinus	Frontal sinus	Sphenoid sinus	Paranasal sinus, NOS	Total
0) No N.D.	178	56	6	8	38	286
1) Total N.D.	1	0	0	0	1	2
2) Selective N.D.	1	1	0	0	0	2
8) Others	2	1	0	0	0	3
9) Unknown	89	22	1	6	9	127
<b>Total</b>	<b>271</b>	<b>80</b>	<b>7</b>	<b>14</b>	<b>48</b>	<b>420</b>

NOS: not otherwise specified.

N.D.: neck dissection.

## Radiotherapy by Subsite

Type of radiotherapy	Nasal cavity	Ethmoid sinus	Frontal sinus	Sphenoid sinus	Paranasal sinus, NOS	Total
0) No radiotherapy	75	7	2	4	13	101
1) X-ray (and/or electron beam)	115	55	5	6	21	202
2) Particle beam	21	6	0	1	5	33
3) B.T.	1	0	0	0	0	1
8) Others	0	1	0	0	0	1
9) Unknown	59	11	0	3	9	82
<b>Total</b>	<b>271</b>	<b>80</b>	<b>7</b>	<b>14</b>	<b>48</b>	<b>420</b>

NOS: not otherwise specified.

B.T.: brachytherapy.

## Chemotherapy by Subsite

Route of administration	Nasal cavity	Ethmoid sinus	Frontal sinus	Sphenoid sinus	Paranasal sinus, NOS	Total
0) No chemotherapy	137	16	2	5	23	183
1) I.V.	72	46	5	5	15	143
2) I.A.	5	3	0	0	0	8
3) Oral	1	1	0	0	0	2
5) I.V.+Oral	0	2	0	0	1	3
8) Others	1	0	0	1	0	2
9) Unknown	55	12	0	3	9	79
<b>Total</b>	<b>271</b>	<b>80</b>	<b>7</b>	<b>14</b>	<b>48</b>	<b>420</b>

NOS: not otherwise specified.

I.V.: intravenous.

I.A.: intraarterial.



Maxillary Sinus  
(2016)

467 Cases

## Age Distribution by Gender

Age	Male	Female	Total
0 - 9	0	0	0
10 - 19	0	0	0
20 - 29	2	0	2
30 - 39	10	4	14
40 - 49	21	8	29
50 - 59	48	21	69
60 - 69	146	42	188
70 - 79	91	30	121
80 - 89	24	12	36
90 - 99	3	5	8
100 - 109	0	0	0
<b>Total</b>	<b>345</b>	<b>122</b>	<b>467</b>

## Histological Distribution by Subsite

Histologic type	Numner of patients ( % )
Adenocarcinoma, NOS	4 ( 0.9 )
Adenoid cystic ca.	27 ( 5.8 )
Adenosquamous ca.	5 ( 1.1 )
Basaloid S.C.C.	3 ( 0.6 )
Ca., NOS	7 ( 1.5 )
Ca., undifferentiated, NOS	11 ( 2.4 )
Carcinosarcoma, NOS	1 ( 0.2 )
Large cell ca., NOS	1 ( 0.2 )
Leiomyosarcoma, NOS	2 ( 0.4 )
Lymphoepithelial ca.	3 ( 0.6 )
Malig. melanoma, NOS	11 ( 2.4 )
Mucoepidermoid ca.	3 ( 0.6 )
Neoplasm, malig.	2 ( 0.4 )
Osteosarcoma, NOS	4 ( 0.9 )
Rhabdomyosarcoma, NOS	2 ( 0.4 )
Small cell ca., NOS	9 ( 1.9 )
Spindle cell ca., NOS	7 ( 1.5 )
S.C.C. in situ, NOS	3 ( 0.6 )
S.C.C., kerat., NOS	10 ( 2.1 )
S.C.C., large cell, nonkerat., NOS	3 ( 0.6 )
S.C.C., microinvasive	2 ( 0.4 )
S.C.C., NOS	336 ( 71.9 )
S.C.C., small cell, nonkerat.	1 ( 0.2 )
S.C.C., spindle cell	1 ( 0.2 )
Transitional cell ca., NOS	2 ( 0.4 )
Verrucous ca., NOS	1 ( 0.2 )
Neuroendocrine ca., NOS	2 ( 0.4 )
Neurilemoma, malig.	1 ( 0.2 )
Ameloblastoma, NOS	1 ( 0.2 )
Malig. tumor, spindle cell type	1 ( 0.2 )
Malig. peripheral nerve sheath tumor	1 ( 0.2 )
<b>Total</b>	<b>467 ( 100.0 )</b>

ca., Ca.: carcinoma.  
kerat.: keratinaizing.

S.C.C.: squamous cell carcinoma.  
nonkerat.: nonkeratinizing.

malig., Malig.: malignant.

## T and N Status

	N0	N1	N2b	N2c	N3	NX	N-	Total
Tis	2	0	0	0	0	0	0	2
T1	4	0	0	0	0	0	0	4
T2	24(1)	1(1)	1	1	0	0	0	27
T3	66(1)	7	11	3	1	0	0	88
T4	9	3	4	0	0	0	0	16
T4a	160(1)	16	31(3)	18(3)	1	1	1	228
T4b	41(1)	7(3)	11(1)	7(2)	0	0	0	66
TX	1	0	0	0	0	4	0	5
T-	0	0	0	0	0	1	30	31
<b>Total</b>	<b>307</b>	<b>34</b>	<b>58</b>	<b>29</b>	<b>2</b>	<b>6</b>	<b>31</b>	<b>467</b>

M1:23 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

## Treatment Method for the Primary Lesion by Subsite

Treatment Method	Number of patients (%)	
Surgery		
without	<b>190</b>	<b>( 40.7 )</b>
with	222	( 47.5 )
unknown	55	( 11.8 )
Radiotherapy		
without	67	( 14.3 )
with	345	( 73.9 )
unknown	55	( 11.8 )
Chemotherapy		
without	96	( 20.6 )
with	316	( 67.7 )
unknown	55	( 11.8 )
<b>Total</b>	<b>467</b>	<b>( 100.0 )</b>

### Treatment Method for the Cervical Lymph Nodes by Subsite

Treatment Method	Nunner of patients ( % )	
Surgery		
without	244	( 53.4 )
with	131	( 28.7 )
unknown	82	( 17.9 )
Radiotherapy		
without	216	( 47.3 )
with	159	( 34.8 )
unknown	82	( 17.9 )
Chemotherapy		
without	214	( 46.8 )
with	161	( 35.2 )
unknown	82	( 17.9 )
Total	457	( 100.0 )

10 patiens were no reported Treatment Method for the Cervical Lymph Nodes by SubSite.

Sequence of Treatment Methods for the Primary Lesion by Subsite

Sequence of treatment methods	Numner of patients ( % )
No treatment	11 ( 2.4 )
F)(Rad.+Chem.)	138 ( 29.6 )
A) Surg. alone	46 ( 9.9 )
A)B) Surg.->Rad.	28 ( 6 )
B) Rad. alone	28 ( 6 )
F)A)(Rad.+Chem.)->Surg.	25 ( 5.4 )
A)F) Surg.->(Rad.+Chem.)	19 ( 4.1 )
C)F) Chem. -> (Rad.+Chem.)	17 ( 3.6 )
F)C)(Rad.+Chem.)->Chem.	15 ( 3.2 )
C) Chem. alone	13 ( 2.8 )
C)A)F) Chem.->Surg.->(Rad.+Chem.)	8 ( 1.7 )
C)F)A) Chem.-> (Rad.+Chem.)->Surg.	5 ( 1.1 )
C)A) Chem.->Surg.	4 ( 0.9 )
C)A)B) Chem.->Surg.->Rad.	4 ( 0.9 )
C)B) Chem.->Rad.	4 ( 0.9 )
F)A)C)(Rad.+Chem.)->Surg->Chem.	4 ( 0.9 )
+ Other	43 ( 9.2 )
Unknown	55 ( 11.8 )
<b>Total</b>	<b>467 ( 100 )</b>

Surg.: surgery.

Rad.: radiotherapy.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.

## Surgical Methods for the Primary Lesion by Subsite

Surgical method	Numner of patients ( % )
X0 No surgery	154 ( 33.0 )
D2 Total maxillectomy	94 ( 20.1 )
D1 Partial maxillectomy	39 ( 8.4 )
D3 Extended maxillectomy	13 ( 2.8 )
D9 Maxillectomy, other type	11 ( 2.4 )
D4 Skull base surgery	3 ( 0.6 )
B1 Marginal mandibulectomy	2 ( 0.4 )
B2 Segmental mandibulectomy	2 ( 0.4 )
Others	6 ( 1.3 )
V9 Unknown	143 ( 30.6 )
<b>Total</b>	<b>467 ( 100.0 )</b>

## Reconstructive Surgery by Subsite

Recontstructive surgery	Numner of patients ( % )
0) No reconstruction	294 ( 63.0 )
D) Free RA MC flap	55 ( 11.8 )
E) Free ALT flap	17 ( 3.6 )
C) Free FA flap	7 ( 1.5 )
G) Free fibular OC flap	5 ( 1.1 )
1) Skin graft	3 ( 0.6 )
F) Free scapular OC flap	2 ( 0.4 )
3) Mucosal flap	1 ( 0.2 )
5) PM MC flap	1 ( 0.2 )
+ Others	6 ( 1.3 )
9) Unknown	76 ( 16.3 )
<b>Total</b>	<b>467 ( 100.0 )</b>

RA: rectus abdominis.

MC: musclocutaneous.

ALT: anterolateral thigh.

FA: forearm.

PM: pectoralis major.

OC: osteocutaneous.

DP: deltopectoral

## Neck Dissection on the Ipsilateral Side by Subsite

Neck dissection	Numner of patients ( % )
0) No N.D.	237 ( 50.7 )
1) Total N.D.	22 ( 4.7 )
2) Selective N.D.	62 ( 13.3 )
3) Lymph node excision	2 ( 0.4 )
8) Others	4 ( 0.9 )
9) Unknown	140 ( 30.0 )
Total	467 ( 100.0 )

N.D.: neck dissection.

## Neck Dissection on the Contralateral Side by Subsite

Neck dissection	Numner of patients ( % )
0) No N.D.	311 ( 66.6 )
1) Total N.D.	5 ( 1.1 )
2) Selective N.D.	8 ( 1.7 )
8) Others	2 ( 0.4 )
9) Unknown	141 ( 30.2 )
Total	467 ( 100.0 )

N.D.: neck dissection.



## Radiotherapy by Subsite

Type of radiotherapy	Number of patients ( % )
0) No radiotherapy	60 ( 12.8 )
1) X-ray (and/or electron beam)	319 ( 68.3 )
2) Particle beam	14 ( 3.0 )
8) Others	1 ( 0.2 )
9) Unknown	73 ( 15.6 )
Total	467 ( 100.0 )

B.T.: brachytherapy.

## Chemotherapy by Subsite

Route of administration	Number of patients ( % )
0) No chemotherapy	106 ( 22.7 )
1) I.V.	124 ( 26.6 )
2) I.A.	117 ( 25.1 )
3) Oral	9 ( 1.9 )
4) I.V.+I.A.	24 ( 5.1 )
5) I.V.+Oral	7 ( 1.5 )
6) I.A.+Oral	3 ( 0.6 )
7) I.V.+I.A.+Oral	1 ( 0.2 )
8) Others	0 ( 0 )
9) Unknown	76 ( 16.3 )
Total	467 ( 100 )

I.V.: intravenous.

I.A.: intraarterial.

Major Salivary Glands  
(2016)

661 Cases

## Primary Site

Site	Number of patients	(%)
Parotid gland	471	( 71.3 )
Submandibular gland	163	( 24.7 )
Sublingual gland	22	( 3.3 )
Majorsalivary gland,NOS	5	( 0.8 )
<b>Total</b>	<b>661</b>	<b>( 100.0 )</b>

NOS: not otherwise specified.

## Age Distribution by Gender

Age	Male	Female	Total
0 - 9	0	0	0
10 - 19	4	2	6
20 - 29	4	17	21
30 - 39	10	20	30
40 - 49	49	38	87
50 - 59	65	37	102
60 - 69	110	61	171
70 - 79	89	62	151
80 - 89	42	43	85
90 - 99	3	5	8
100 - 109	0	0	0
<b>Total</b>	<b>376</b>	<b>285</b>	<b>661</b>

NOS: not otherwise specified.

## Parotid gland

### Age Distribution by Gender

Age	Male	Female	Total
0 - 9	0	0	0
10 - 19	2	2	4
20 - 29	4	11	15
30 - 39	9	17	26
40 - 49	33	31	64
50 - 59	45	24	69
60 - 69	78	42	120
70 - 79	65	41	106
80 - 89	31	31	62
90 - 99	3	2	5
100 - 109	0	0	0
<b>Total</b>	<b>270</b>	<b>201</b>	<b>471</b>

## Submandibular gland

### Age Distribution by Gender

Age	Male	Female	Total
0 - 9	0	0	0
10 - 19	2	0	2
20 - 29	0	4	4
30 - 39	1	3	4
40 - 49	16	6	22
50 - 59	19	11	30
60 - 69	24	15	39
70 - 79	22	17	39
80 - 89	10	10	20
90 - 99	0	3	3
100 - 109	0	0	0
<b>Total</b>	<b>94</b>	<b>69</b>	<b>163</b>

## Sublingual gland

### Age Distribution by Gender

Age	Male	Female	Total
0 - 9	0	0	0
10 - 19	0	0	0
20 - 29	0	2	2
30 - 39	0	0	0
40 - 49	0	1	1
50 - 59	1	2	3
60 - 69	5	3	8
70 - 79	2	3	5
80 - 89	1	2	3
90 - 99	0	0	0
100 - 109	0	0	0
Total	9	13	22

## Major salivary gland, 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	0	0	0
60 - 69	3	1	4
70 - 79	0	1	1
80 - 89	0	0	0
90 - 99	0	0	0
100 - 109	0	0	0
Total	3	2	5

Carcinoma of the Major Salivary Glands -----661 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
Acinar cell ca.	30	0	0	0	30
Adenocarcinoma, NOS	28	13	1	0	42
Adenoid cystic ca.	39	52	14	1	106
Adenosquamous ca.	0	1	0	0	1
Basal cell adenocarcinoma	8	1	1	0	10
Basal cell ca., NOS	1	0	0	0	1
Ca. ex pleomorphic adenoma	46	15	0	1	62
Ca., NOS	11	4	0	1	16
Ca., undifferentiated, NOS	1	0	0	0	1
Carcinosarcoma, NOS	4	1	0	0	5
Chondrosarcoma, NOS	1	0	0	0	1
Cystadenocarcinoma	6	0	1	0	7
Epithelial-myoepithelial ca.	24	5	0	0	29
Large cell ca., NOS	2	1	0	0	3
Lymphoepithelial ca.	4	1	0	0	5
Malig. lymphoma, NOS	12	4	0	0	16
Metastasizing pleomorphic adenoma	1	0	0	0	1
Mixed tumor, malig., NOS	2	2	0	0	4
Mucinous adenocarcinoma	1	0	0	0	1
Mucoepidermoid ca.	87	9	1	0	97
Myoepithelial ca.	13	3	0	0	16
Neoplasm, Malig.	9	3	1	0	13
Oncocytic ca.	2	0	0	0	2
Papillary S.C.C	1	0	0	0	1
Polymorphous low grade adenocarcinoma	0	1	0	0	1
Salivary duct ca.	90	31	0	2	123
Sebaceous ca.	0	1	0	0	1
Small cell ca., NOS	1	1	0	0	2
Spindle cell ca., NOS	1	0	0	0	1
S.C.C, kerat., NOS	1	1	0	0	2
S.C.C, large cell, nonkerat., NOS	2	0	0	0	2
S.C.C, NOS	41	9	3	0	53
Neuroendocrine ca., NOS	0	1	0	0	1
Malig. lymphoma, large B-cell, diffuse, NOS	0	1	0	0	1
Marginal zone B-cell lymphoma, NOS	0	1	0	0	1
Pleomorphic adenoma	1	0	0	0	1
Malig. peripheral nerve sheath tumor	1	0	0	0	1
Basaloid ca.	0	1	0	0	1
Total	471	163	22	5	661

NOS: not otherwise specified.

ca., Ca.: carcinoma.

S.C.C.: squamous cell carcinoma.

malig., Malig.: malignant.

kerat.: keratinizing.

nonkerat.: nonkeratinizing.

## T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	3(1)	0	0	0	0	0	0	0	0	3
T1	69	2	0	0	4(1)	1	0	0	0	76
T2	138(4)	11	0	0	27(2)	1	0	3	2	182
T3	84(1)	22(4)	0	2(2)	30(3)	3(1)	0	1	0	142
T4	7	0	0	0	2(1)	0	0	0	1	10
T4a	70(1)	23(4)	1	1	49(12)	2	0	1	0	147
T4b	9	2(1)	0	0	2	1(1)	0	0	0	14
TX	2	0	0	0	2	0	0	19	0	23
T-	1	0	0	0	1	0	0	0	62	64
<b>Total</b>	<b>383</b>	<b>60</b>	<b>1</b>	<b>3</b>	<b>117</b>	<b>8</b>	<b>0</b>	<b>24</b>	<b>65</b>	<b>661</b>

M1:39 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

## Parotid gland

## T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	2	0	0	0	0	0	0	0	0	2
T1	47	1	0	0	2(1)	0	0	0	0	50
T2	93(1)	8	0	0	10	1	0	1	1	114
T3	67	16(3)	0	1(1)	11	2	0	1	0	98
T4	7	0	0	0	2(1)	0	0	0	0	9
T4a	59(1)	21(3)	1	1	38(7)	2	0	0	0	122
T4b	8	1	0	0	1	1(1)	0	0	0	11
TX	0	0	0	0	0	0	0	16	0	16
T-	1	0	0	0	0	0	0	0	48	49
<b>Total</b>	<b>284</b>	<b>47</b>	<b>1</b>	<b>2</b>	<b>64</b>	<b>6</b>	<b>0</b>	<b>18</b>	<b>49</b>	<b>471</b>

M1:19 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

## Submandibular gland

### T and N Status

	N0	N1	N2	N2a	N2b	N2c	N3	NX	N-	Total
T0	1(1)	0	0	0	0	0	0	0	0	1
T1	20	1	0	0	2	1	0	0	0	24
T2	38(2)	3	0	0	15(2)	0	0	2	1	59
T3	14(1)	6(1)	0	0	18(3)	0	0	0	0	38
T4	0	0	0	0	0	0	0	0	0	0
T4a	9	2(1)	0	0	9(4)	0	0	1	0	21
T4b	1	1(1)	0	0	1	0	0	0	0	3
TX	1	0	0	0	1	0	0	3	0	5
T-	0	0	0	0	1	0	0	0	11	12
Total	84	13	0	0	47	1	0	6	12	163

M1:16cases. 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

## 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	2	0	0	0	0	0	0	0	0	2
T2	6	0	0	0	2	0	0	0	0	8
T3	3	0	0	1(1)	1	1(1)	0	0	0	6
T4	0	0	0	0	0	0	0	0	0	0
T4a	2	0	0	0	2(1)	0	0	0	0	4
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	2	2	2
Total	13	0	0	1	5	1	0	2	2	22

M1:3 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



# Majorsalivary gland,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	0	0	0	0	0	0	0	0	0	0
T2	1(1)	0	0	0	0	0	0	0	0	1
T3	0	0	0	0	0	0	0	0	0	0
T4	0	0	0	0	0	0	0	0	1	1
T4a	0	0	0	0	0	0	0	0	0	0
T4b	0	0	0	0	0	0	0	0	0	0
TX	1	0	0	0	1	0	0	0	0	2
T-	0	0	0	0	0	0	0	0	1	1
Total	2	0	0	0	1	0	0	0	0	5

M1:1 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

## Treatment Method for the Primary Lesion by Subsite

Treatment Method	Parotid gland (C07.9)	Sub-mandibular gland (C08.0)	Sub-lingual gland (C08.1)	Major salivary gland, NOS (C08.9)	Total
Surgery					
without	25	12	2	1	40
with	371	135	15	3	524
unknown	74	16	5	1	96
Radiotherapy					
without	160	73	9	2	244
with	236	74	8	2	320
unknown	74	16	5	1	96
Chemotherapy					
without	258	97	14	2	371
with	138	50	3	2	193
unknown	74	16	5	1	96
Total	470	163	22	5	660

1patients were no reported Treatment Method for the Primary Lesion by Subsite

NOS: not otherwise specified.

Carcinoma of the Major Salivary Glands -----661 Cases

### Treatment Method for the Cervical Lymph Nodes by Subsite

Treatment Method	Parotid gland (C07.9)	Sub-mandibular gland (C08.0)	Sub-lingual gland (C08.1)	Major salivary gland, NOS (C08.9)	Total
Surgery					
without	142	25	4	1	172
with	234	117	12	2	365
unknown	89	20	5	2	116
Radiotherapy					
without	211	72	10	1	294
with	165	70	6	2	243
unknown	89	20	5	2	116
Chemotherapy					
without	262	95	13	1	371
with	114	47	3	2	166
unknown	89	20	5	2	116
<b>Total</b>	<b>465</b>	<b>162</b>	<b>21</b>	<b>5</b>	<b>653</b>

8 patients were no reported Treatment Method for the Cervical Lymph Node by Subsite.

NOS: not otherwise specified.

### Sequence of Treatment Methods for the Primary Lesion by Subsite

Sequence of treatment methods	Parotid gland (C07.9)	Sub-mandibular gland (C08.0)	Sub-lingual gland (C08.1)	Major salivary gland, NOS (C08.9)	Total
No treatment	7	2	0	1	10
A) Surg. alone	182	77	9	2	270
A)B) Surg.->Rad.	116	31	5	0	152
A)F) Surg.->(Rad.+Chem.)	34	15	0	1	50
B) Rad. alone	15	6	1	0	22
C) Chem. alone	6	5	1	0	12
A)B)C) Surg.->Rad.->Chem.	7	0	0	0	7
F)(Rad.+Chem.)	3	1	1	0	5
A)A) Surg.->Surg.	4	0	0	0	4
A)C) Surg. -> Chem	1	2	0	0	3
C)F) Chem. -> (Rad.+Chem.)	3	0	0	0	3
+ Other	19	8	0	0	27
Unknown	73	16	5	1	95
<b>Total</b>	<b>470</b>	<b>163</b>	<b>22</b>	<b>5</b>	<b>660</b>

1 patients were no reported Sequence of Treatment Methods for the Primary Lesion by Subsite

Surg.: surgery.

Rad.: radiotherapy.

Chem.: chemotherapy.

Treatment methods in parentheses were given concurrently.

NOS: not otherwise specified.

Carcinoma of the Major Salivary Glands -----661 Cases

## Surgical Methods for the Primary Lesion by Subsite

Surgical method	Parotid gland (C07.9)	Sub-mandibular gland (C08.0)	Sub-lingual gland (C08.1)	Major salivary gland, NOS (C08.9)	Total
X0 No surgery	23	9	2	2	36
H4 Total parotidectomy	134	0	0	0	134
H6 Submandibulectomy	0	127	1	0	128
H2 Superficial parotidectomy	102	0	0	0	102
H5 Extended total parotidectomy	54	0	0	0	54
H1 Partial parotidectomy	34	0	0	0	34
H3 Deep lobe resection of the parotid gland	28	0	0	1	29
H7 Resection of the sublingual gland	0	0	6	0	6
H9 Paroticectomy,NOS	1	1	1	1	4
Others	2	2	6	0	10
V9 Unknown	93	24	6	1	124
Total	471	163	22	5	661

NOS: not otherwise specified.

## Reconstructive Surgery by Subsite

Reconstuctive surgery	Parotid gland (C07.9)	Sub-mandibular gland (C08.0)	Sub-lingual gland (C08.1)	Major salivary gland, NOS (C08.9)	Total
0) No reconstruction	281	136	11	5	433
I) Free nerve graft	40	0	0	0	40
E) Free ALT flap	23	0	2	0	25
D) Free RA MC flap	7	1	1	0	9
5) PM MC flap	7	1	0	0	8
1) Skin graft	5	0	1	0	6
2) Local skin flap	4	0	1	0	5
4) DP flap	5	0	0	0	5
C) Free FA flap	3	1	1	0	5
G) Free fibular OC flap	0	1	1	0	2
3) Mucosal flap	0	0	1	0	1
+ Others	7	0	0	0	7
9) Unknown	89	23	3	0	115
Total	471	163	22	5	661

RA: rectus abdominis.

MC: musclocutaneous.

ALT: anterolateral thigh.

FA: forearm.

PM: pectoralis major.

OC: osteocutaneous.

DP: deltopectoral.

NOS: not otherwise specified.

Carcinoma of the Major Salivary Glands -----661 Cases

### Neck Dissection on the Ipsilateral Side by Subsite

Treatment Method	Parotid gland (C07.9)	Sub-mandibular gland (C08.0)	Sub-lingual gland (C08.1)	Major salivary gland, NOS (C08.9)	Total
0) No N.D.	161	27	5	2	195
1) Total N.D.	58	41	3	1	103
2) Selective N.D.	124	66	8	1	199
3) Lymph node excision	8	1	0	0	9
8) Others	9	2	0	0	11
9) Unknown	111	26	6	1	144
<b>Total</b>	<b>471</b>	<b>163</b>	<b>22</b>	<b>5</b>	<b>661</b>

N.D.: neck dissection.

NOS: not otherwise specified.

### Neck Dissection on the Contralateral Side by Subsite

Neck dissection	Parotid gland (C07.9)	Sub-mandibular gland (C08.0)	Sub-lingual gland (C08.1)	Major salivary gland, NOS (C08.9)	Total
0) No N.D.	345	131	14	4	494
1) Total N.D.	2	1	0	0	3
2) Selective N.D.	1	3	2	0	6
3) Lymph node excision	2	0	0	0	2
8) Others	7	1	0	0	8
9) Unknown	114	27	6	1	148
<b>Total</b>	<b>471</b>	<b>163</b>	<b>22</b>	<b>5</b>	<b>661</b>

N.D.: neck dissection.

NOS: not otherwise specified.

Carcinoma of the Major Salivary Glands -----661 Cases

## Radiotherapy by Subsite

Type of radiotherapy	Parotid gland (C07.9)	Sub- mandibular gland (C08.0)	Sub- lingual gland (C08.1)	Major salivary gland, NOS (C08.9)	Total
0) No radiotherapy	167	70	9	1	247
1) X-ray (and/or electron beam)	187	56	7	2	252
2) Particle beam	10	2	0	0	12
4) X-ray + Particle beam	0	1	0	0	1
9) Unknown	107	34	6	2	149
<b>Total</b>	<b>471</b>	<b>163</b>	<b>22</b>	<b>5</b>	<b>661</b>

NOS: not otherwise specified.

## Chemotherapy by Primary site

Route of administration	Posterioricoid (C13.0)	Pyriiform sinus (C12.9) (C13.1)	Pyriiform sinus (C13.2)	Hypopharynx, NOS (C13.9)	Total
0) No chemotherapy	300	110	15	2	427
1) I.V.	60	25	2	2	89
2) I.A.	3	0	0	0	3
3) Oral	7	2	0	0	9
5) I.V.+Oral	3	1	0	0	4
9) Unknown	98	25	5	1	129
<b>Total</b>	<b>471</b>	<b>163</b>	<b>22</b>	<b>5</b>	<b>661</b>

NOS: not otherwise specified.

I.V.: intravenous.

I.A.: intraarterial.