Medical Treatment for Patients from Remote Islands in the Department of Otolaryngology Tokyo Metropolitan Hospital

Takao Yabe, Yuka Nakamura and Kazunari Okada

Our Department is responsible for medical treatment in the Tokyo metropolitan area and Izu-Ogasawara islands. One hundred fifty nine referred patients from the medical institution of Izu-Ogasawara islands in the last five years were investigated based on their medical records. Thirty two patients a year visited our department, consisting of 66 females and 93 males aged 1 to 90 years with a mean of 56.4 years. Complications of lifestyle-related disease such as hypertension and diabetes mellitus were recognized in 43% and ear diseases were most frequent. Four cases (3%) were transported by emergency, which comprised 2 cases of acute epiglottitis, one case of severe massive epistaxis and one case of acute tonsillitis. Twenty seven cases (17%) were hospitalized immediately and 23 cases needed surgical treatments, comprising 4 tympanoplasties, 3 adenotonsillectomies, 3 tonsillectomies, 3 endoscopic sinus surgeries and 2 parotidectomies.

Keywords : emergent diseases in otolaryngology, medical image transmission system, medical treatment in a remote island, rural area medicine

References

- 1) 坂田 正 : 瀬戸内海島嶼の一農業部落に多発した聾啞とその家系について. 日耳鼻会報 59: 1803-1811, 1956.
- 2) 村島二郎, 西田裕明, 山口良二 : 離島における耳鼻咽喉科診療. 耳鼻咽喉 46: 191-194, 1974.
- 3) Shirabe S : The state of vertiginous lesions in Tsushima Island. Pract Otol (Kyoto) 76: 2211-2214, 1983.
- 4) 山口 隆, 坂口 寛, 中島成人, 他 : ティンパノメトリーを用いた園児滲出性中耳炎のスクリーニングについて—厳原町と長崎市での比較—. Otol Jpn 3: 162-167, 1993.
- 5) 高崎賢治, 寺門万里子, 高橋晴雄 : 長崎県離島におけるスギ花粉症の疫学調査—平戸市大島村全島民へのアンケート調査から—. 日鼻科会誌 49: 112-115, 2010.
- 6) Nobori T, Ohyama M, Katsuta K, et al. : Clinical and epidemiological studies of nasal allergy. Pract Otol (Kyoto) 77: 737-747, 1984.
- 7) 河野正樹 : 離島診療所で経験した耳鼻咽喉科疾患症例の検討. 日耳鼻会報 94: 203-207, 1991.
- 8) Nagano H : A case of epiglottitis associated with Tsutsugamushi disease. Pract Otol (Kyoto) 99: 955-959, 2006.
- 9) 永野広海, 吉福孝介, 大野郁夫, 他 : 離島における耳鼻咽喉科・頭頸部外科の役割と現状—鹿児島県奄美諸島の場合—. 地域医学 22: 628-633, 2008.
- 10) Nagano H and Kurono Y : The frequency and severity of subclinical hypogeusia in the general community. Pract Otol (Kyoto) 105: 33-40, 2012.
- 11) 長嶺功一 : ヘリ等, 航空機搬送患者資料. 沖縄那覇病誌 8: 52-54, 1998.
- 12) 石川浩太郎, 玉川雄也, 阿部弘一, 他 : 医療過疎地における総合医の耳鼻咽喉科診療. 日耳鼻会誌 99: 1758-1763, 1996.
- 13) 今道英秋 : 眼科・耳鼻咽喉科救急を考える 離島・へき地で対応すべき眼科・耳鼻咽喉科の救急疾患. 救急医療ジャーナル 16: 14-17, 2008.
- 14) 大平泰行, 矢部多加夫, 加我君孝, 他 : 職業潜水夫と耳科疾患について—耳科症状と耳管機能検査を中心に—. 耳鼻・頭頸外科 63: 13-17, 1991.

Islands the patients were referred from:

Numbers of the patients are shown in the order of their location, namely Nii-jima, Miyake-jima, Kouzu-jima, Hachijo-jima, Ogasawara islands, Oh-shima, To-shima and Mikura-jima.

Diseases

The disease sites are frequent in the order of ear, nose, neck, larynx, pharynx and other locations.