

BÖLÜM 11

HİPOFARİNK KANSERLERİNE YAKLAŞIM



Şükrü AYDIN¹

GİRİŞ

Hipofarinks, üst aerodigestif sistemin orofarenksten sonraki kısmıdır. Aerodigestif sistem, laringeal yapı ile alt solunum yollarına özofagus ile sindirim sistemine geçiş yapar. Hipofarinks, laringeal çatı ile beraber bu fizyolojik ayrışmayı sağlar. Orofarinks ile özofagus arasında, laringeal çatı dışında kalan alan hipofarinks olarak adlandırılır. Bu bölgenin malignitelerinden en sık skuamöz hücreli karsinom görülür, bazaloid skuamöz hücreli karsinom, iğsi hücreli karsinom ve minör tükürük bezi karsinomu da görülebilen diğer kanser histopatolojik alt tipleridir. Hastalar solunum zorluğu ve disfaji gibi uyarıcı şikayetlerle doktora başvurduğunda genellikle ileri evre haline dönüşmüş olur ve prognozu genellikle kötüdür. Tanı anında en az %65'i bölgesel lenf nodlarına yayılım gösterir (1-5).

Disfaji, odinofaji, sekonder otalji, dispne, globus hissi, boğaz ağrısı, kilo kaybı, ses kısıklığı ve boyunda kitle en sık doktora başvuru sebepleri arasındadır. Şüpheli durumunda endoskopik muayene ve erken tanı, tedaviyi yönlendirmede en önemli faktörlerdir. Erken evre ve ileri evre hipofarinks kanserlerinin tanı ve tedavisi bu bölüm içeriğinde tartışılacaktır.

¹ Dr. Öğr. Üyesi, İnönü Üniversitesi, Tıp Fakültesi, Kulak Burun Boğaz Hastalıkları AD.,
dr.sukruaydin@gmail.com



Erken evre tümörlerde temel olarak RT ve organ koruyucu cerrahiler ile kısmen sağlanabilmektedir, ileri evre tümörlerde organ korunması her zaman mümkün olmamaktadır. İleri evrelerde öncelikle organ koruyucu multimodal protokollerin planlanması, gereklilik halinde salvaj müdahaleler düşünmek gerekir. Hipofarinks kanserli hastaların multidisipliner bir ekip tarafından takip ve tedavisi hastalara optimum sonuç vereceği her zaman akılda tutulmalıdır.

KAYNAKLAR

1. Gatta G, Botta L, Sánchez MJ, et al. Prognoses and improvement for head and neck cancers diagnosed in Europe in early 2000s: The EURO CARE-5 population-based study. *European journal of cancer*. 2015;51 (15):2130-2143.
2. Gourin CG, Terris DJ. Carcinoma of the hypopharynx. *Surgical Oncology Clinics*. 2004;13 (1):81-98.
3. Buckley JG, MacLennan K. Cervical node metastases in laryngeal and hypopharyngeal cancer: a prospective analysis of prevalence and distribution. *Head & Neck: Journal for the Sciences and Specialties of the Head and Neck*. 2000;22 (4):380-385.
4. Lefebvre J, Castelain B, De Torre JL, et al. Lymph node invasion in hypopharynx and lateral epilynx carcinoma: a prognostic factor. *Head & Neck Surgery*. 1987;10 (1):14-18.
5. Ferlito A, Shaha AR, Buckley JG, et al. Selective neck dissection for hypopharyngeal cancer in the clinically negative neck: should it be bilateral? *Acta oto-laryngologica*. 2001;121 (3):329-335.
6. Petersen JF, Timmermans AJ, van Dijk BA, et al. Trends in treatment, incidence and survival of hypopharynx cancer: a 20-year population-based study in the Netherlands. *European Archives of Oto-Rhino-Laryngology*. 2018;275 (1):181-189.
7. Carvalho AL, Nishimoto IN, Califano JA, et al. Trends in incidence and prognosis for head and neck cancer in the United States: a site-specific analysis of the SEER database. *International journal of cancer*. 2005;114 (5):806-816.
8. Curado MP, Hashibe M. Recent changes in the epidemiology of head and neck cancer. *Current opinion in oncology*. 2009;21 (3):194-200.
9. Blot WJ, McLaughlin JK, Winn DM, et al. Smoking and drinking in relation to oral and pharyngeal cancer. *Cancer research*. 1988;48 (11):3282-3287.
10. Gandini S, Botteri E, Iodice S, et al. Tobacco smoking and cancer: a meta-analysis. *International journal of cancer*. 2008;122 (1):155-164.
11. Sapkota A, Gajalakshmi V, Jetly DH, et al. Smokeless tobacco and increased risk of hypopharyngeal and laryngeal cancers: a multicentric case-control study from India. *International journal of cancer*. 2007;121 (8):1793-1798.
12. Laforest L, Luce D, Goldberg P, et al. Laryngeal and hypopharyngeal cancers and occupational exposure to formaldehyde and various dusts: a case-control study in France. *Occupational and Environmental Medicine*. 2000;57 (11):767-773.
13. Galli J, Cammarota G, Calo L, et al. The role of acid and alkaline reflux in laryngeal squamous cell carcinoma. *The Laryngoscope*. 2002;112 (10):1861-1865.
14. Wahlberg PC, Andersson KH, Biörklund AT, et al. Carcinoma of the hypopharynx: analysis of incidence and survival in Sweden over a 30-year period. *Head & Neck: Journal for the Sciences and Specialties of the Head and Neck*. 1998;20 (8):714-719.
15. Lydiatt W, Ridge J, Patel S, et al. Oropharynx (p16-) and hypopharynx. *AJCC cancer staging*



- manual, Amin M, Editor. 2017:123.
16. Cho SJ, Lee JH, Suh CH, et al. Comparison of diagnostic performance between CT and MRI for detection of cartilage invasion for primary tumor staging in patients with laryngo-hypopharyngeal cancer: a systematic review and meta-analysis. *European Radiology*. 2020;30 (7):3803-3812.
 17. Ng S-H, Chan S-C, Liao C-T, et al. Distant metastases and synchronous second primary tumors in patients with newly diagnosed oropharyngeal and hypopharyngeal carcinomas: evaluation of 18F-FDG PET and extended-field multi-detector row CT. *Neuroradiology*. 2008;50 (11):969-979.
 18. Takes RP, Strojan P, Silver CE, et al. Current trends in initial management of hypopharyngeal cancer: the declining use of open surgery. *Head & neck*. 2012;34 (2):270-281.
 19. Hall SF, Groome PA, Irish J, et al. Radiotherapy or surgery for head and neck squamous cell cancer: establishing the baseline for hypopharyngeal carcinoma? *Cancer: Interdisciplinary International Journal of the American Cancer Society*. 2009;115 (24):5711-5722.
 20. Holsinger FC, Motamed M, Garcia D, et al. Resection of selected invasive squamous cell carcinoma of the pyriform sinus by means of the lateral pharyngotomy approach: the partial lateral pharyngectomy. *Head & Neck: Journal for the Sciences and Specialties of the Head and Neck*. 2006;28 (8):705-711.
 21. Chevalier D, Watelet JB, Darras JA, et al. Supraglottic hemilaryngopharyngectomy plus radiation for the treatment of early lateral margin and pyriform sinus carcinoma. *Head & neck*. 1997;19 (1):1-5.
 22. Laccourreye O, Garcia D, Ishoo E, et al. Supracricoid hemilaryngopharyngectomy in patients with invasive squamous cell carcinoma of the pyriform sinus: part I: technique, complications, and long-term functional outcome. *Annals of Otolaryngology & Laryngology*. 2005;114 (1):25-34.
 23. Kania R, Hans S, Garcia D, et al. Supracricoid hemilaryngopharyngectomy in patients with invasive squamous cell carcinoma of the pyriform sinus. Part II: Incidence and consequences of local recurrence. *The Annals of otology, rhinology, and laryngology*. 2005;114 (2):95-104.
 24. De Virgilio A, Iocca O, Malvezzi L, et al. The emerging role of robotic surgery among minimally invasive surgical approaches in the treatment of hypopharyngeal carcinoma: systematic review and meta-analysis. *Journal of Clinical Medicine*. 2019;8 (2):256.
 25. Biau J, Lapeyre M, Troussier I, et al. Selection of lymph node target volumes for definitive head and neck radiation therapy: a 2019 Update. *Radiotherapy and Oncology*. 2019;134:1-9.
 26. Rabbani A, Amdur RJ, Mancuso AA, et al. Definitive radiotherapy for T1-T2 squamous cell carcinoma of pyriform sinus. *International Journal of Radiation Oncology* Biology* Physics*. 2008;72 (2):351-355.
 27. Wuthrick EJ, Zhang Q, Machtay M, et al. Institutional clinical trial accrual volume and survival of patients with head and neck cancer. *Journal of Clinical Oncology*. 2015;33 (2):156.
 28. Forastiere AA, Ismaila N, Lewin JS, et al. Use of larynx-preservation strategies in the treatment of laryngeal cancer: American Society of Clinical Oncology clinical practice guideline update. *Journal of Clinical Oncology*. 2018;36 (11):1143-1169.
 29. Lefebvre J-L, Andry G, Chevalier D, et al. Laryngeal preservation with induction chemotherapy for hypopharyngeal squamous cell carcinoma: 10-year results of EORTC trial 24891. *Annals of oncology*. 2012;23 (10):2708-2714.
 30. Kutter J, Lang F, Monnier P, et al. Transoral laser surgery for pharyngeal and pharyngolaryngeal carcinomas. *Archives of Otolaryngology-Head & Neck Surgery*. 2007;133 (2):139-144.



31. Vilaseca I, Blanch JL, Bernal-Sprekelsen M, et al. CO2 laser surgery: a larynx preservation alternative for selected hypopharyngeal carcinomas. *Head & neck*. 2004;26 (11):953-959.
32. Chung EJ, Kim GW, Cho BK, et al. Pattern of lymph node metastasis in hypopharyngeal squamous cell carcinoma and indications for level VI lymph node dissection. *Head & neck*. 2016;38 (S1):E1969-E1973.
33. Breda E, Catarino R, Monteiro E. Transoral laser microsurgery as standard approach to hypopharyngeal cancer survival analysis in a hospital based population. *Acta Otorrinolaringologica (English Edition)*. 2018;69 (1):1-7.
34. Molina MA, Cheung MC, Perez EA, et al. African American and poor patients have a dramatically worse prognosis for head and neck cancer: an examination of 20,915 patients. *Cancer*. 2008;113 (10):2797-2806.
35. Homma A, Sakashita T, Oridate N, et al. Importance of comorbidity in hypopharyngeal cancer. *Head & Neck: Journal for the Sciences and Specialties of the Head and Neck*. 2010;32 (2):148-153.