

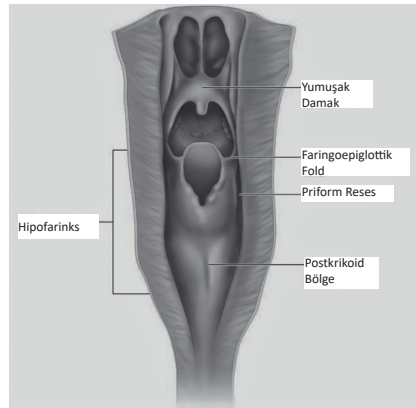
# BÖLÜM 11

## HİPOFARİNKS KANSERLERİ

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### ANATOMİ

Farinks kafa tabanından servikal özefagusu kadar uzanan, nazofarinks, orofarinks ve hipofarinks olarak üç ayrı anatomik bölümden oluşan bir yapıdır. Hipofarinks, epiglottun üst kenarından başlayıp krikoid kıkırdağın alt kenarına kadar uzanım göstererek inferiora servikal özefagus ile devam eder. Servikal özefagus ise hipofarinksten torasik girişe kadar uzanan özefagus kısmıdır(1). Hipofarinks superiora radyolojik olarak hyoid kemik seviyesinden veya faringoepiglottik fold seviyesinden başlar. Inferiora krikofaringeal kas hizasında özefagus girişine doğru incelerek ön tarafta larinks, arkada ise retrofaringeal alan ile komşu olan üçgen şeklinde bir yapıdır (Resim 1).



*Resim 1. Hipofarinks Anatomisi*

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## BAŞ BOYUN KANSERLERİ

davisi primer bölgenin tedavisine göre planlanabilir. Böylelikle tek tedavi modelitesi ile komplikasyonların azaltılması hedeflenir. Multiple lenfnodu olan hastalarda (N2b) Boyun diseksiyonu Level I-V'i içermelidir. Ameliyat sonrasında ekstra nodal uzanım olursa radyoterapiye ek olarak kemoterapide eklenmektedir.

### KAYNAKLAR

1. Cummings Otolaryngology: Head and Neck Surgery, 7th Edition Chapter 101,pages 1503-1518.
2. P.J.Bradley Epidemiology of hypopharyngeal cancer Adv Otorhinolaryngol,83 (2019), pp. 1-14.
3. Hall SF, Groome PA, Irish J, et al: The natural history of patients with squamous cell carcinoma of the hypopharynx, Laryngoscope (2008)118:1362–1371.
4. 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.
5. 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.
6. T.M. Jones, M. De, B. Foran, et al. Laryngeal cancer: United Kingdom National Multidisciplinary guidelines J Laryngol Otol, 130 (S2) (2016), pp. S75-S82.
7. Lefebvre J, Chevalier D. Cancer del'hypopharynx. *Otorhinolaryngologie*. 2004;1:274–289.
8. Galli J, Cammarota G, De Corso E, et al. Biliary laryngopharyngeal reflux: A new pathological entity. *Curr Opin Otolaryngol Head Neck Surg*. 2006;14:128–132.
9. Sasaki CT, Issaeva N, Vageli DP. In vitro model for gastroduodenal reflux-induced nuclear factor-kappaB activation and its role in hypopharyngeal carcinogenesis. *Head Neck*. 2016;38(Suppl 1):E1381–E1391.
10. Sasaki CT, Doukas SG, Costa J, et al. Biliary reflux as a causal factor in hypopharyngeal carcinoma: New clinical evidence and implications. *Cancer*. 2019;125:3554–3565.
11. Vageli DP, Kasle D, Doukas SG, et al. The temporal effects of topical NF-1κB inhibition, in the in vivo prevention of bile-related oncogenic mRNA and miRNA phenotypes in murine hypopharyngeal mucosa: A preclinical model. *Oncotarget*. 2020;11:3303–3314. doi: 10.18632/oncotarget.27706
12. Doukas PG, Vageli DP, Doukas SG, et al. Temporal characteristics of NF-κB inhibition in blocking bile-induced oncogenic molecular events in hypopharyngeal cells. *Oncotarget*. 2019;10:3339–3351. doi: 10.18632/oncotarget.26917
13. Jones RF: The Paterson-Brown-Kelly syndrome. Its relationship to iron deficiency and postcricoid carcinoma. II, *J Laryngol Otol*; 1961; 75:529–561.
14. Wahlberg PCG, Andersson KEH, Biorklund AT, et al. Carcinoma of the hypopharynx: analysis of incidence and survival in Sweden over a 30-year period, *Head Neck* 20:714–719, 199.
15. Buckley JG, MacLennan K. Cervical node metastases in laryngeal and hypopharyngeal cancer: a prospective analysis of prevalence and distribution. *Head Neck*. 2000;22(4):380–385.
16. Hoffman HT, Karnell LH, Shah JP, et al. Hypopharyngeal cancer patient care evaluation, *Laryngoscope*; 1997;107:1005–1017.
17. Sanders O, Pathak S. Hypopharyngeal Cancer 2022 Sep 26. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2023 Jan–. PMID: 33620797
18. Becker M, Monnier Y, de Vito C MR Imaging of Laryngeal and Hypopharyngeal Cancer. *Magn Reson Imaging Clin N Am*. 2022 Feb;30(1):53-72. doi: 10.1016/j.mric.2021.08.002.PMID: 34802581
19. Becker M: Larynx and hypopharynx, *Radiol Clin North Am*; 1998; 36:891–920.
20. Schmalfluss IM: Imaging of the hypopharynx and cervical esophagus, *Magn Reson Imaging Clin North Am* 2002 ; 10:495–509,.

21. Wycliffe ND, Grover RS, Kim PD, et al. Hypopharyngeal cancer, *Top Magn Reson Imaging* 2007;18:243–258.
22. Ferlito A, Altavilla G, Rinaldo A, et al. Basaloid squamous cell carcinoma of the larynx and hypopharynx, *Ann Otol Rhinol Laryngol* 1997;106:1024–1035.
23. Sanderson RJ, Rivron RP, Wallace WA: Adenosquamous carcinoma of the hypopharynx, *J Laryngol Otol* 105:678–680, 1991.
24. Pisani P, Krengli M, Ramponi A, et al. Angiosarcoma of the hypopharynx, *J Laryngol Otol* 108:905–908, 1994. 48.
25. Dei Tos AP, Dal Cin P, Sciot R, et al. Synovial sarcoma of the larynx and hypopharynx, *Ann Otol Rhinol Laryngol* 107:1080–1085, 1998.
26. Ferlito A, Weiss LM, Rinaldo A, et al. Clinicopathological consultation. Lymphoepithelial carcinoma of the larynx hypopharynx, and trachea, *Ann Otol Rhinol Laryngol* 1997; 106:437–444, 1997.
27. Wenzel C, Fiebigler W, Dieckmann K, et al. Extranodal marginal zone B-cell lymphoma of mucosa-associated lymphoid tissue of the head and neck area: high rate of disease recurrence following local therapy, *Cancer* 97:2236–2241, 2003.
28. Shapiro AL, Shechtman FG, Guida RA, et al. Head and neck lymphoma in patients with the acquired immune deficiency syndrome, *Otolaryngol Head Neck Surg* 1992;106:258–260.
29. Kirchner JA: Pyriform sinus cancer: a clinical and laboratory study, *Ann Otol Rhinol Laryngol* 1975;84:793–803.
30. Ho CM, Ng WF, Lam KH, et al. Radial clearance in resection of hypopharyngeal cancer: an independent prognostic factor, *Head Neck* 2002;24:181–190.
31. American Joint Committee on Cancer AJCC Cancer Staging Manual. 8th ed New York, NY: Springer International Publishing; 2017.
32. Piccirillo JF: Purposes, problems, and proposals for progress in cancer staging, *Arch Otolaryngol Head Neck Surg* 1995;121:145–149.
33. Chen AY, Hudgins PA: Pitfalls in the staging squamous cell carcinoma of the hypopharynx, *Neuroimaging Clin N Am* 23:67–79, 2013.
34. Hochfelder CG, Mehta V, Kabarriti R, et al. Survival analysis of patients with advanced hypopharyngeal cancer comparing patients who received primary surgery to those who received chemoradiation: An analysis of the NCCDB. *Oral Oncol.* 2021 Oct;121:105470. doi: 10.1016/j.oraloncology.2021.105470.
35. Hong WK, Hillman R, Spaulding M, et al. Induction chemotherapy plus radiation compared with surgery plus radiation in patients with advanced laryngeal cancer. Department of Veterans Affairs Laryngeal Cancer Study Group; Wolf GT, Fisher SG, *N Engl J Med.* 1991 Jun 13;324(24):1685–90. doi: 10.1056/NEJM199106133242402.
36. J-L Lefebvre, G Andry, D Chevalier, e; Laryngeal preservation with induction chemotherapy for hypopharyngeal squamous cell carcinoma: 10-year results of EORTC trial 24891 EORTC Head and Neck Cancer Group *Ann Oncol* 2012 Oct;23(10):2708-2714. doi: 10.1093/annonc/mds065. Epub 2012 Apr 6.