Tilmelding af Foredrag

Foredragets titel

Factors affecting lymph node yield in surgery for oral cavity cancer

Forfatter(e)

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Afdeling/praksis

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Uddannelsesniveau

MD, PhD, Introduktionsstilling

Introduktion

Sufficient lymph node yield for patients with head and neck cancer undergoing neck dissection is associated with improved overall survival and lower rates of local-regional failure. However, variables to affect the lymph node yield in neck dissection remain unknown. The aim of this study was to determine factors affecting the yield of lymph nodes.

Materiale/metode

Two hundred and twenty-one patients surgical treated for oral cavity carcinoma with additional level 1-3 neck dissection (from 2017-2022) were included. The total number of lymph nodes identified in the excised specimen was recorded in each case. A univariate analysis was performed to ascertain whether this number was significantly influenced by any of several variables.

Resultater

No correlation between number of yielded lymph nodes and sex (P=.97), weight (P=.06), BMI (P=.10), age (P=.85), current smoking (P=.89), alcohol abuse (P=.86), tumor staging (P=0.99), or lymph node metastasis (P=.73) were found. However, excluding patients with severe obesity defined as BMI>35, increasing BMI (P=.04, coef=0.36) and weight (P=.03, coef=0.10) were correlated with increasing number of yielded lymph nodes. Furthermore, previous radiation therapy of the neck was associated with a significant lower number of yielded lymph nodes (P=0.02, coef=-4.74).

Diskussion

Only previous radiation therapy of the neck was associated with a reduced number of yielded lymph nodes during level 1-3 neck dissection. A tendency toward a positive correlation between increasing weight and BMI and number of yielded lymph nodes was found. However, it was only significant if patients with severe obesity were excluded.

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