



UNIVERSITY OF LEEDS

This is a repository copy of *Incidence and patterns of retropharyngeal lymph node involvement in oropharyngeal carcinoma*.

White Rose Research Online URL for this paper:
<http://eprints.whiterose.ac.uk/150241/>

Version: Accepted Version

Article:

Iyizoba-Ebozue, Z, Murray, LJ orcid.org/0000-0003-0658-6455, Arunsingh, M et al. (3 more authors) (2020) Incidence and patterns of retropharyngeal lymph node involvement in oropharyngeal carcinoma. *Radiotherapy and Oncology*, 142. pp. 92-99. ISSN 0167-8140

<https://doi.org/10.1016/j.radonc.2019.07.021>

© 2019, Elsevier BV. This manuscript version is made available under the CC-BY-NC-ND 4.0 license <http://creativecommons.org/licenses/by-nc-nd/4.0/>.

Reuse

This article is distributed under the terms of the Creative Commons Attribution-NonCommercial-NoDerivs (CC BY-NC-ND) licence. This licence only allows you to download this work and share it with others as long as you credit the authors, but you can't change the article in any way or use it commercially. More information and the full terms of the licence here: <https://creativecommons.org/licenses/>

Takedown

If you consider content in White Rose Research Online to be in breach of UK law, please notify us by emailing eprints@whiterose.ac.uk including the URL of the record and the reason for the withdrawal request.



eprints@whiterose.ac.uk
<https://eprints.whiterose.ac.uk/>

Table 2: Factors associated with retropharyngeal lymph nodes: univariate and multivariate backwards logistic regression

Variable	Univariate analyses		Multivariate model	
	OR (95% CI)	p	OR (95% CI)	p
Gender	-	0.395	-	-
Tumour subsite*		0.006	-	-
- For soft palate/post.pharyngeal wall versus BOT	6.00 (1.89-19.08)	0.002	10.13 (2.29-19.08)	0.002
- For tonsil versus BOT		0.790		
T classification	-	0.206	-	-
Histological grade	-	0.065	-	-
Smoking	-	0.969	-	-
p16 status	-	0.271	-	-
Ipsilateral level 1 LN	-	0.337	-	-
Ipsilateral level 2 LN	-	0.104	-	-
Ipsilateral level 3 LN	3.38 (1.52-6.08)	0.002	-	-
Ipsilateral level 4 LN	2.35 (1.08-5.13)	0.032	-	-
Ipsilateral level 5a/b LN	-	0.344	-	-
Contralateral lymph LN	3.81 (1.53-7.51)	<0.001	2.26 (1.05-4.86)	0.036
Diameter largest LN [§]		0.045	-	-
- For 3+ cm versus <1	5.63 (0.73-43.50)	0.097		

Significant p values highlighted in bold.

LN=lymph node; BOT=base of tongue

*Tumour subsite analysis according to 3 groups: 1) tonsil, 2) base of tongue/vallecula, 3) soft palate/posterior pharyngeal wall (soft palate/posterior pharyngeal wall grouped together due to small numbers).

[§]Diameter of largest LN analysed in groups <1, ≥1<2, ≥2<3, ≥3cm.

All variables with $p < 0.2$ were included in the multivariate analysis.