

# Supplemental Table S1: Search strategy

Search conducted on October 10, 2022

<p>PubMed: ("Oropharyngeal Neoplasms"[Mesh] OR Oropharyngeal Neoplasm* OR "oropharyngeal cancer"[tiab] OR "OPSCC"[tiab] OR "oropharyngeal squamous cell carcinoma "[tiab] OR "oropharyngeal carcinoma"[tiab] OR "tonsillar squamous cell carcinoma"[tiab] OR "tongue squamous cell carcinoma"[tiab]) AND ("Locoregional Recurrence"[tiab] OR Relapse* OR "Recurrent"[tiab] OR "recurrence"[tiab] OR "distant"[tiab] OR "metastatic"[tiab] OR "metastases"[tiab] OR "survival"[tiab] ) AND ("Oropharyngeal Neoplasms/virology"[MeSH] OR "Carcinoma, Squamous Cell/virology"[Mesh] OR "Carcinoma, Squamous Cell/pathology"[Mesh] OR "human papilloma virus"[tw] OR "Neoplasm Recurrence, Local/virology"[Mesh] OR "HPV"[tiab] OR Human Papillomavirus OR P16-positive OR P16 status OR P16 OR "Cyclin-Dependent Kinase Inhibitor p16/genetics"[Mesh] OR human papillomavirus-positive OR human papillomavirus-associated OR HPV-associated [tiab] OR HPV-positive[tiab] OR "Papillomavirus Infections/complications"[Mesh]) OR "Papillomavirus Infections/complications"[Majr] AND ("Salvage Therapy"[Mesh] OR "Salvage Therapy/methods"[MeSH] OR "Neoplasm Recurrence, Local/surgery"[MAJR] OR "Oropharyngeal Neoplasms/surgery"[MAJR] OR "Oropharyngeal Neoplasms/therapy"[Mesh] OR "Salvage Surgery "[tiab] OR "Surgical salvage "[tiab] OR "Neck dissection "[tiab] OR "Neck Dissection/methods"[Mesh] OR "TORS"[tiab] OR "Transoral surgery"[tiab] OR "Transoral Robotic Surgery "[tiab] OR "failure"[tiab])</p>	<p>English filtered: 1708</p>
<p>SCOPUS: ( TITLE-ABS-KEY ( ( oropharyngeal AND neoplasm OR oropharyngeal AND cancer OR opsc OR oropharyngeal AND squamous AND cell AND carcinoma OR oropharyngeal AND carcinoma ) ) AND TITLE-ABS-KEY ( ( relapse OR recurrent OR recurrence OR distant OR metastatic OR metastases OR survival ) ) AND TITLE-ABS-KEY ( ( hpv OR p16 OR human AND papillomavirus OR virology ) ) AND TITLE-ABS-KEY ( ( salvage OR surgery OR neck AND dissection OR surgical AND salvage OR cancer AND surgery ) ) )</p>	<p>English filtered: 305</p>
<p>Cinahl: ( oropharyngeal neoplasm OR oropharyngeal cancer OR opsc OR oropharyngeal squamous cell carcinoma OR oropharyngeal carcinoma ) AND (relapse OR recurrent OR recurrence OR distant OR metastatic OR metastases OR survival ) AND (hpv OR p16 OR human papillomavirus OR virology ) AND (salvage OR surgery OR neck dissection OR surgical salvage OR cancer surgery)</p>	<p>English filtered: 249</p>

Supplemental Table S2: Table of study characteristics

\*Other refers to the following countries  $\leq 1$  article: France, Australia, Sweden, Germany, Japan, International

	Percent (%)
United States	65.6
Canada	9.4
United Kingdom	6.2
Other*	18.8
Total	100
Retrospective Chart	62.5
Retrospective Cohort	12.5
Case Series	3.1
Database	6.3
Single arm clinical trial	3.1
Case control	3.1
Analysis of clinical trial	9.4
Total	100