

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Staging and Post-Therapy Assessment of Head and Neck Cancer**

Literature Search Performed on: 05/10/2022

Beginning Date: January 1995

End Date: April 2022

Database: Ovid MEDLINE(R) ALL <1946 to May 09, 2022>

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**Search Strategy**

- 1 (ultrasound in staging or 18F-FDG PET can replace conventional work of screening for distant metastases or Imaging of salivary gland tumours or Comparison of fluorine-18-fluorodeoxyglucose).tw. (62)
- 2 Nose neoplasms/ and paranasal sinus neoplasm/ and nasal cavity/ and carcinoma/ (38)
- 3 ((Limited utility of routine surveillance MRI or Role of neck ultrasound).tw. or Brachytherapy/) and Radiopharmaceuticals/ and Nasopharyngeal Neoplasms/ (5)
- 4 (Nasopharyngeal neoplasms/ and diagnostic imaging/ and neoplasm staging/) or (Neoplasm Recurrence, Local/ and Outcome Assessment, Health Care/ and Practice Patterns, Physicians/) (24)
- 5 Risk factors/ and papillomaviridae/ and papillomavirus infections/ and prognosis/ and prevalence/ (41)
- 6 (Limited utility of routine surveillance MRI or Role of neck ultrasound during follow-up or Cancer Staging Manual or MRI as a single-step imaging modality in the staging).tw. (299)
- 7 (Preventive zinc supplementation or cell carcinoma tumor thickness or Invasion in Oral Tongue Cancer or Recurrence in Malignant Salivary Gland).tw. (32)
- 8 (Screening for distant metastases or PET can replace conventional work or Efficacy of radiologic screening or The role of thorax imaging).tw. (42)
- 9 (MR imaging of patterns or untreated nasopharyngeal carcinoma or recurrence of squamous cell carcinoma or patients with carcinoma of the sinus).tw. (230)
- 10 (Lymphatic Metastasis/ and Nasopharyngeal Neoplasms/ and Radiopharmaceuticals/) or (Randomized Controlled Trials as Topic/ and Carcinoma, Squamous Cell/ and Combined Modality Therapy/ and prognosis/) (55)
- 11 Carcinoma, Squamous Cell/ and Hypopharyngeal Neoplasms/ and Neoplasm Recurrence, Local/ and Tomography, X-Ray Computed/ (18)
- 12 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 (846)
- 13 limit 12 to yr="1995 -Current" (785)

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Literature Search Performed on: 01/04/2022

Beginning Date: January 1995

End Date: December 2021

Database: Ovid MEDLINE(R) ALL <1946 to January 03, 2022>

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**Search Strategy**

- 1 (Papillomaviridae/ and Papillomavirus Infections/ and prognosis/ and Risk Factors/) or (Radiography, Thoracic/ and Pharyngeal Neoplasms/) (200)
  - 2 (Neoplasms, Multiple Primary/ and Bone Neoplasms/ and Liver Neoplasms/) or (Neoplasms, Second Primary/ and Liver/ and Carcinoma, Squamous Cell/) (62)
  - 3 (Carcinoma/ and Nasopharyngeal Neoplasms/ and Neoplasm Recurrence, Local/ and Magnetic Resonance Imaging/) or (Fluorine Radioisotopes/ and Hypopharyngeal Neoplasms/ and Lymphatic Metastasis/) (54)
  - 4 (Nasopharyngeal Neoplasms/ and Radiopharmaceuticals/ and Neoplasm Recurrence, Local/) or CT surveillance for primary site recurrence.tw. (50)
  - 5 (Nasopharyngeal Carcinoma/ and Tomography, X-Ray Computed/ and Neoplasm Recurrence, Local/) or (Carcinoma, Squamous Cell/ and Thyroid Neoplasms/ and Positron-Emission Tomography/) or Staging of untreated nasopharyngeal.tw. (28)
  - 6 (Outcome Assessment, Health Care/ and Neoplasm Recurrence, Local/ and Radiopharmaceuticals/) or staging of nonkeratinizing.tw. or therapy be used to detect local failure.tw. or Efficacy of radiologic screening.tw. (15)
  - 7 (Neoplasms, Second Primary/ and Neoplasm, Residual/) or Posttreatment imaging in head.tw. or Value of F-18 FDG PET for Planning Treatment.tw. (106)
  - 8 1 or 2 or 3 or 4 or 5 or 6 or 7 (503)
  - 9 limit 8 to yr="1995 -Current" (469)
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**Literature Search**  
**ACR Appropriateness Criteria®**  
**Staging and Post-Therapy Assessment of Head and Neck**  
**Cancer**

Literature Search Performed on: 07/12/2021

Beginning Date: January 2011

End Date: June 2021

Database: Ovid MEDLINE(R) ALL <1946 to July 09, 2021>

**Search Strategy**

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- 1 "Head and Neck Neoplasms"/dg [Diagnostic Imaging] (4875)
- 2 Oropharyngeal neoplasms/dg [Diagnostic Imaging] (427)
- 3 Mouth Neoplasms/dg [Diagnostic Imaging] (925)
- 4 Hypopharyngeal neoplasms/dg [Diagnostic Imaging] (237)
- 5 Laryngeal neoplasms/dg [Diagnostic Imaging] (1299)
- 6 Neoplasms, unknown Primary/dg [Diagnostic Imaging] (425)
- 7 Nasopharyngeal Neoplasms/dg [Diagnostic Imaging] (1360)
- 8 Paranasal Sinus Neoplasms/dg [Diagnostic Imaging] (1216)
- 9 Salivary Gland Neoplasms/dg [Diagnostic Imaging] (480)
- 10 Parotid Neoplasms/dg [Diagnostic Imaging] (883)
- 11 "Head and Neck Neoplasms"/di [diagnosis] (7073)
- 12 Oropharyngeal neoplasms/di [diagnosis] (705)
- 13 Mouth Neoplasms/di [diagnosis] (5053)
- 14 Hypopharyngeal neoplasms/di [diagnosis] (360)
- 15 Laryngeal neoplasms/di [diagnosis] (3236)
- 16 Neoplasms, unknown Primary/di [diagnosis] (1111)
- 17 Nasopharyngeal Neoplasms/di [diagnosis] (2218)
- 18 Paranasal Sinus Neoplasms/di [diagnosis] (1668)
- 19 Salivary Gland Neoplasms/di [diagnosis] (1562)
- 20 Parotid Neoplasms/di [diagnosis] (1833)
- 21 Radiography/ or Magnetic Resonance Imaging/ or Tomography, X-Ray Computed/ or Positron-Emission Tomography/ or Ultrasonography/ or Magnetic Resonance Angiography/ or Computed Tomography Angiography/ (1264255)
- 22 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 (11201)
- 23 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 (23216)
- 24 21 and 23 (5365)
- 25 21 and 22 (7852)
- 26 24 or 25 (12290)
- 27 limit 26 to (abstracts and english language and humans and yr="2011 -Current") (3310)
- 28 limit 27 to "all child (0 to 18 years)" (464)
- 29 27 not 28 (2846)
- 30 limit 29 to case reports (715)
- 31 29 not 30 (2131)

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Literature Search Performed on: 05/20/2021

Beginning Date: January 2011

End Date: April 2021

Database: Ovid MEDLINE(R) ALL <1946 to May 19, 2021>

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**Search Strategy**

- 1 Surveillance/ or staging/ or diagnostic imaging/ or imaging/ or radiology/ or MR/ or CT/ or Ultrasound/ or CT Angiography/ or MR Angiography/ or PET/ (79189)
- 2 (Carcinoma, Squamous Cell/ and Paranasal Sinus Neoplasms/) or (Carcinoma/ and (Nasopharyngeal Neoplasms/ or Salivary Gland/)) (6481)
- 3 Submandibular gland/ or neoplasm/ or Nodal Metastasis/ or adenopathy/ or unknown primary/ or Lymphatic Metastasis/ or (Nasal Cavity/ and Esthesioneuroblastoma,Olfactory/) (543175)
- 4 Larynx cancer/ or carcinoma/ or neoplasm/ or squamous cell carcinoma/ or (Parotid Diseases/ and Parotid Neoplasms/) (666032)
- 5 Hypopharynx cancer/ or neoplasm/ or (Oropharyngeal Neoplasms/ and Carcinoma, Squamous Cell/) or (Paranasal Sinus Neoplasms/ and Paranasal Sinuses/) (444730)
- 6 Oral cavity cancer/ or (Nasal Cavity/ and Esthesioneuroblastoma,Olfactory/) or neoplasm/ or (Carcinoma, Squamous Cell/ and Paranasal Sinus Neoplasms/) (442433)
- 7 Head.mp. and (neck neoplasm/ or neck cancer/ or neck tumor/) (56876)
- 8 2 or 3 or 4 or 5 or 6 or 7 (781989)
- 9 1 and 8 (3497)
- 10 limit 9 to (abstracts and english language and humans and yr="2011 -Current") (1228)
- 11 limit 10 to "all child (0 to 18 years)" (69)
- 12 10 not 11 (1159)
- 13 limit 12 to case reports (55)
- 14 12 not 13 (1104)
- 15 limit 7 to (guideline or practice guideline) (115)

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16 limit 15 to (abstracts and english language and humans and yr="2017 -Current") (20)  
 17 14 or 16 (1123)

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**Summary**

Source	#Unique Refs	#Retained Refs
Old bibliography	0	0
Literature Search(es)	4048	149
Author Added	6	1
Supporting Docs	6	5
Total		155

References from the literature search that were not retained had a poor study design, were not relevant to the topic, or had unclear or biased results.