Search Strategies

Chapter 1: Information and support

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<th>NATIONAL COLLABORATING CENTRE FOR CANCER</th>
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<td>Cancer of the Upper Aero Digestive Tract Clinical Guideline</td>
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**Question title:** What are the specific information and support needs reported by patients with cancer of the upper aerodigestive tract and their carers?

**Question no:** Topic A

1. Literature search details

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Total References retrieved (after de-duplication): 880

**Medline search strategy** *(This search strategy is adapted to each database.)*

1. "head and neck neoplasms"/ or facial neoplasms/ or mouth neoplasms/ or otorhinolaryngologic neoplasms/
2. (("upper respiratory tract" or "upper airway* tract" or "upper aerodigestive tract" or "head and neck" or UAT or UADT or head or neck) adj3 (cancer* or neoplasm* or carcinoma* or tumo?r* or adenocarcinoma* or oncolog* or malignan* or lymphoma* or melanoma* or squamous)).ti.
3. exp Mouth Neoplasms/
4. ((oral or intra-oral or intraoral or mouth or lip* or tongue or cheek* or cheek lin* or gingiv* or gum* or palat* or "roof of mouth" or odontogenic or teeth or tooth or buccal or buccal mucosa or face or facial or maxilla*) adj3 (cancer* or neoplasm* or carcinoma* or tumo?r* or adenocarcinoma* or oncolog* or malignan* or lymphoma* or melanoma* or squamous)).ti.
5. exp Lip Neoplasms/
6. exp Gingival Neoplasms/
7. exp Palatal Neoplasms/
8. exp Tongue Neoplasms/
9. exp Tonsillar Neoplasms/
10. exp Mandibular Neoplasms/
11. exp Maxillary Neoplasms/
12. exp Odontogenic Tumors/
13. exp Oropharyngeal Neoplasms/
14. ((oropharyn* or tonsil* or retromolar*) adj3 (cancer* or neoplasm* or carcinoma* or tumo?r* or adenocarcinoma* or oncolog* or malignan* or lymphoma* or melanoma* or squamous)).tw.
15. exp Pharyngeal Neoplasms/
16. ((pharyn* or throat) adj3 (cancer* or neoplasm* or carcinoma* or tumo?r* or adenocarcinoma* or oncolog* or malignan*
or lymphoma* or melanoma* or squamous)).tw.
17. exp Nasopharyngeal Neoplasms/
18. (nasopharyn* adj3 (cancer* or neoplasm* or carcinoma* or tumo?r* or adenocarcinoma* or oncolog* or malignan* or lymphoma* or melanoma* or squamous)).tw.
19. exp Hypopharyngeal Neoplasms/
20. ((hypopharyn* or laryngopharyn*) adj3 (cancer* or neoplasm* or carcinoma* or tumo?r* or adenocarcinoma* or oncolog* or malignan* or lymphoma* or melanoma* or squamous)).tw.
21. exp Laryngeal Neoplasms/
22. ((laryn* or glotti* or epiglotti* or subglotti* or supraglotti* or vocal cord* or vocal fold* or voice box* or cordal) adj3 (cancer* or neoplasm* or carcinoma* or tumo?r* or adenocarcinoma* or oncolog* or malignan* or lymphoma* or melanoma* or squamous)).tw.
23. exp Paranasal Sinus Neoplasms/
24. (((nasal* or nose* or paranasal* or nasosinus* or sinonasal* or ((nasal* or frontal or ethmoidal or spheroid or maxillary) adj sinus*)) adj3 (cancer* or neoplasm* or carcinoma* or tumo?r* or adenocarcinoma* or oncolog* or malignan* or lymphoma* or melanoma* or squamous)).tw.
25. or/1-24
26. Choice Behavior/
27. Decision Making/
28. exp Decision Support Techniques/
29. (decision* adj3 (aid* or support*)).tw.
30. ((patient* or consumer*) adj3 (decision* or choic* or prefer* or participat*)).tw.
31. ((personal or interpersonal or individual) adj3 (decision* or choic* or prefer* or participat*)).tw.
32. Pamphlets/
33. pamphlet*.tw.
34. (leaflet* or diary or diaries or booklet* or guidebook* or sheet* or flyer* or flier*).tw.
35. (prompt* or coach*).tw.
36. (checklist* or check list*).tw.
37. (written or write).tw.
38. question*.tw.
39. (card* or helpcard*).tw.
40. (video* or tape* or cd* or film* or dvd* or telephone* or phone* or computer* or internet or electronic).tw.
41. exp Audiovisual Aids/
42. exp Internet/
43. Communication/
44. communicat*.tw.
45. (information adj3 need*).tw.
46. information material*.tw.
47. (patient* adj3 information).tw.
48. (information adj3 web*).tw.
49. (information adj3 print*).tw.
50. (information adj3 electronic*).tw.
51. ((inform* or support*) adj2 (tool* or method* or group*)).tw.
52. exp Self-Help Groups/
53. (support* adj2 (group* or meet*)).tw.
54. exp Patient Education/mt [Methods]
55. ((patient* or care*) adj pathway*).tw.
56. information deliver*.tw.
57. interactive session*.tw.
58. (face* adj face*).tw.
59. or/26-58
60. 25 and 59
2. **Health Economics Literature search details**
   This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on upper airways cancers.

3. **Any further comments**
   Basic exclusions filter only and no date limits applied. Any possibly relevant material selected.

---

### NATIONAL COLLABORATING CENTRE FOR CANCER

**Cancer of the Upper Aero Digestive Tract Clinical Guideline**

**Literature search summary**

**Question title:** Does smoking cessation affect outcomes for people with (undergoing treatment or post treatment) cancer of the upper aerodigestive tract?

**Question no:** Topic P

#### 1. Literature search details

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### Medline search strategy *(This search strategy is adapted to each database.)*

1. ("head and neck" or "upper aero-digestive" or "upper aerodigestive" or "upper airway**" or "upper respiratory" or UAT or UADT) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
2. exp Mouth Neoplasms/
3. exp Lip Neoplasms/
4. exp Gingival Neoplasms/
5. exp Palatal Neoplasms/
6. exp Tongue Neoplasms/
7. exp Tonsillar Neoplasms/
8. exp Maxillary Neoplasms/
9. ((mouth or oral or intra-oral or intraoral or oral mucos* or lip* or tongue or cheek* or gingiva* or gum* or palat* or buccal or buccal mucosa* or maxilla* or tisil* or mandib*)) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
10. exp Oropharyngeal Neoplasms/
11. ((opharyn* or retromolar trigone) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
12. exp Pharyngeal Neoplasms/
13. exp Tracheal Neoplasms/
14. ((pharyn* or throat or trachea* or paratrachea* or windpipe*) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
2. Health Economics Literature search details
This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on upper airways cancers.

3. Update Searches
For the update searches, the same search criteria/filters were applied as the initial search with a date limit of January 2014 onwards.

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1 additional reference identified in a high level search of Pubmed 15/06/2015

Total References retrieved (after de-duplication): 38
Chapter 2: Investigation

### Literature search summary

**Question title:** What is the most effective configuration of tests within a rapid access clinic for assessing neck lumps suspected of being cancer of the upper aerodigestive tract?

**Question no:** Topic B

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Total References retrieved (after de-duplication): 3497

**Medline search strategy** *(This search strategy is adapted to each database.)*

1. `exp "Head and Neck Neoplasms"`/

2. `(("head and neck" or "upper aerodigestive" or "upper aerodigestive" or "upper airway" or "upper respiratory" or UAT or UADT) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.`

3. `exp Mouth Neoplasms/`

4. `exp Lip Neoplasms/`

5. `exp Gingival Neoplasms/`

6. `exp Palatal Neoplasms/`

7. `exp Tongue Neoplasms/`

8. `exp Tonsillar Neoplasms/`

9. `exp Maxillary Neoplasms/`

10. `((mouth or oral or intra-oral or oral mucos* or lip* or tongue or cheek* or gingiva* or gum* or palat* or buccal or buccal mucosa* or maxilla* or tonsil*) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.`

11. `exp Oropharyngeal Neoplasms/`

12. `((oropharyn* or retromolar trigone) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.`

13. `exp Pharyngeal Neoplasms/`

14. `exp Tracheal Neoplasms/`

15. `((pharyn* or throat or trachea* or paratrachea* or windpipe*) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.`

16. `exp Nasopharyngeal Neoplasms/`

17. `((nasopharyn* adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.`

18. `exp Hypopharyngeal Neoplasms/`

19. `((hypopharyn* or laryngopharyn*) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.`

20. `exp Laryngeal Neoplasms/`

21. `((laryng* or glotti* or epiglotti* or subglotti* or supraglotti* or vocal cord* or vocal fold* or voice box* or cordal) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.`

22. `exp Paranasal Sinus Neoplasms/`
23. ((paranasal* or nasal* or nasosinus* or sinonasal* or ((nasal* or frontal or ethmoidal or spheroid or maxilla*) adj sinus*)) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolo?r or melanoma or squamous or teratoma or lymphoma or plasmacytoma* or neuroendocrine or neuroblastoma* or esthesioneuroblastoma*).tw.
24. or/1-22
25. (neck adj3 (lump* or mass* or bump* or lesion* or metasta*)).tw.
26. exp Neck/
27. exp Neoplasms/
28. exp Neoplasm Metastasis/
29. 27 or 28
30. 26 and 29
31. 25 or 30
32. 24 and 31
33. exp Biopsy, Fine-Needle/
34. (fine needle aspiration cytology or FNAC).tw.
35. exp Endoscopic Ultrasound-Guided Fine Needle Aspiration/
36. ultrasound*.tw.
37. exp Biopsy/
38. biops*.tw.
39. nasendoscop*.tw.
40. exp Esophagoscopy/
41. oesophagoscop*.tw.
42. exp Magnetic Resonance Imaging/
43. (magnetic resonance imag* or MRI).tw.
44. exp Tomography, X-Ray Computed/
45. (CT or CT scan* or comput* tomograph*).tw.
46. or/33-45
47. 32 and 46
48. letter.pt.
49. Letter/
50. letter$./
51. editorial.pt.
52. historical article.pt.
53. anecdote.pt.
54. commentary.pt.
55. note.pt.
56. Case Report/
57. case report$.pt.
58. Case Study/
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60. exp animal/ not human/
61. Nonhuman/
62. exp animal experiment/
63. exp Experimental Animal/
64. exp animal model/
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66. exp rodentia/
67. Animals, Laboratory/
68. exp rodent/
69. cr/48-68
70. 47 not 69

2. Health Economics Literature search details
This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on upper airways cancers
3. Update Searches

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Total References retrieved (after de-duplication): 53

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**NATIONAL COLLABORATING CENTRE FOR CANCER**

Cancer of the Upper Aero Digestive Tract Clinical Guideline

Literature search summary

**Question title:** What is the most effective investigative pathway for identifying the occult primary site in patients presenting with metastatic neck disease (squamous cell carcinoma)?

**Question no:** Topic C1

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**Medline search strategy** *(This search strategy is adapted to each database.)*

1. exp "Head and Neck Neoplasms"/
2. (("head and neck" or "upper aero-digestive" or "upper aerodigestive" or "upper airway" or "upper respiratory" or UAT or UADT) adj3 (cancer* or tumor?r* or neoplas* or malignan* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
3. exp Mouth Neoplasms/
4. exp Lip Neoplasms/
5. exp Gingival Neoplasms/
6. exp Palatal Neoplasms/
7. exp Tongue Neoplasms/
8. exp Tonsillar Neoplasms/
9. exp Maxillary Neoplasms/
10. ((mouth or oral or intra-oral or intraoral or oral mucos* or lip* or tongue or cheek* or gingiva* or gum* or palat* or buccal or buccal mucosa* or maxilla* or tonsil*) adj3 (cancer* or tumor?r* or neoplas* or malignan* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
11. exp Oropharyngeal Neoplasms/
12. ((oropharyn* or retromolar trigone) adj3 (cancer* or tumor?r* or neoplas* or malignan* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
13. exp Pharyngeal Neoplasms/
14. exp Tracheal Neoplasms/
15. ((pharyn* or throat or trachea* or paratrachea* or windpipe*) adj3 (cancer* or tumor?r* or neoplas* or malignan* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
16. exp Nasopharyngeal Neoplasms/
17. (nasopharyn* adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.

18. exp Hypopharyngeal Neoplasms/

19. ((hypopharyn* or laryngopharyn*) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.

20. exp Laryngeal Neoplasms/

21. ((laryng* or glotti* or epiglotti* or subglotti* or supraglotti* or vocal cord* or vocal fold* or voice box* or cordal) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.

22. exp Paranasal Sinus Neoplasms/

23. ((paranasal* or nasal* or nasosinus* or sinonasal* or ((nasal* or frontal or ethmoidal or spheroid or maxilla*) adj sinus*)) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma or plasmacytoma* or neuroendocrine or neuroblastoma* or esthesioneuroblastoma*)).tw.

24. exp Carcinoma, Squamous Cell/di [Diagnosis]

25. exp Lymph Nodes/di, su [Diagnosis, Surgery]

26. exp Lymphatic Metastasis/di, pa [Diagnosis, Pathology]

27. Neoplasms, Unknown Primary/di [Diagnosis]

28. or/1-27

29. exp Tomography, X-Ray Computed/

30. exp Diagnostic Imaging/

31. CT*.tw.

32. (ct adj scan*).tw.

33. exp Magnetic Resonance Imaging/

34. MRI*.tw.

35. magnetic resonance imag*.tw.

36. exp Positron-Emission Tomography/

37. (PET CT or PET-CT or PETCT).tw.

38. PET.tw.

39. panendoscopy.tw.

40. exp Biopsy/

41. biops*.tw.

42. exp Tonsillectomy/

43. tonsillectomy*.tw.

44. (transoral robotic surgery or TORS).tw.

45. (transoral laser microsurgery or TLM).tw.

46. exp Robotics/

47. exp Narrow Band Imaging/

48. narrow band imaging.tw.

49. nasendoscopy.tw.

50. or/29-49

51. exam*.tw.

52. exp Anesthesia, General/

53. an?esthe*.tw.

54. 52 or 53

55. 51 and 54

56. 50 or 55

57. (neck adj3 (lump* or mass* or bump* or lesion* or metasta*)).tw.

58. exp Neck/

59. exp Neoplasms/

60. exp Neoplasm Metastasis/

61. 59 or 60

62. 58 and 61

63. 57 or 62

64. 28 and 63

65. 64 and 56

66. limit 65 to yr="1995 -Current"
2. Health Economics Literature search details
This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on upper airways cancers.

3. Update Searches
For the update search, the same search criteria/filters were applied as initial search with a date limit of March 2014 onwards.

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Total References retrieved (after de-duplication): 87

NATIONAL COLLABORATING CENTRE FOR CANCER
Cancer of the Upper Aero Digestive Tract Clinical Guideline

Literature search summary

Question title: Which patients with cancer of the upper aerodigestive tract require systemic staging

Question no: Topic C2

1. Literature search details

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Total References retrieved (after databases combined, de-duplicated and sifted): 1931

Medline search strategy (*This search strategy is adapted to each database.)*

1. exp "Head and Neck Neoplasms"/
2. (("head and neck" adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)) or ("upper aerodigestive" or "upper airway"* or "upper respiratory" or UAT or UADT) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
3. exp mouth neoplasms/
4. exp lip neoplasms/
5. exp gingival neoplasms/
6. exp palatal neoplasms/
7. exp tongue neoplasms/
8. exp tonsillar neoplasms/
9. exp maxillary neoplasms/
10. ((mouth or oral or intra-oral or intraoral or oral mucos* or lip* or tongue or cheek* or gingiva* or gum* or palat* or buccal or buccal mucosa* or maxilla* or tonsil*)) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
11. exp oropharyngeal neoplasms/
12. ((oropharyn* or retromolar trigone) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
13. exp pharyngeal neoplasms/
14. exp tracheal neoplasms/
15. ((pharyn* or throat or trachea* or paratrachea* or windpipe*) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
16. exp nasopharyngeal neoplasms/
17. (nasopharyn* adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
18. exp hypopharyngeal neoplasms/
19. (hypopharyn* or laryngopharyn*) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
20. exp laryngeal neoplasms/
21. ((laryng* or glotti* or epiglotti* or subglotti* or supraglotti* or vocal cord* or vocal fold* or voice box* or cordal) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
22. exp paranasal sinus neoplasms/
23. ((paranasal* or nasal* or nasosinus* or sinonasal* or (nasal* or frontal or ethmoidal or spheroid or maxilla*) adj sinus*)) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma or plasmacytoma* or neuroendocrine or neuroblastoma* or esthesioneuroblastoma*).tw.
24. or/1-23
25. Tomography, Emission-computed/
26. Tomography, X-Ray Computed/
27. Tomography, Spiral Computed/
28. ((CT or CTS or CAT) adj (scan* or imag*)).tw.
29. comput* tomograph*.tw.
30. exp Positron-Emission Tomography/
31. ((positron emission or computed or computerised or computerized) and tomography*).tw.
32. (PET CT or PET-CT or PETCT).tw.
33. PET.tw.
34. Fluorodeoxyglucose F18/
35. F18.tw.
36. Fluorodeoxyglucose.tw.
37. FDG.tw.
38. Magnetic Resonance Imaging/
39. (Magnetic resonance imaging or MRI).tw.
40. (MR* adj (scan* or imag*)).tw.
41. Diagnostic Imaging/
42. (diagnos* adj (imag* or scan*)).tw.
43. or/25-42
44. 24 and 43
45. Neoplasm Staging/
46. (staging or stage or stages or staged or restaging or restaged or upstaging or upstaged or downstaging or downstaged or classif*).tw.
47. 45 or 46
48. 44 and 47

Notes
A general exclusions filter was applied.

2. Health Economics Literature search details
This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on upper airways cancers.
3. Update Search
For the update search, the same search criteria/filters were applied as the initial search with a date limit of January 2015 onwards.

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1 additional reference identified in a high level search of Pubmed 15/06/2015

Total References retrieved (after de-duplication): 13

NATIONAL COLLABORATING CENTRE FOR CANCER

Cancer of the Upper Aero Digestive Tract Clinical Guideline

Question title: What is the most effective systemic imaging strategy for investigating cancer of the upper aerodigestive tract?

Question no: Topic C3

1. Literature search details

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Total References retrieved (after de-duplication): 273

Medline search strategy (This search strategy is adapted to each database.)
1. exp "Head and Neck Neoplasms"/
2. ("head and neck" adj3 (cancer* or tumor* or neoplas* or malignant* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)) or ("upper aerodigestive" or "upper airway" or "upper respiratory" or UAT or UADT) adj3 (cancer* or tumor* or neoplas* or malignant* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
3. exp mouth neoplasms/
4. exp lip neoplasms/
5. exp gingival neoplasms/
6. exp palatal neoplasms/
7. exp tongue neoplasms/
8. exp tonsillar neoplasms/
9. exp maxillary neoplasms/
10. ((mouth or oral or intra-oral or intraoral or oral mucos* or lip* or tongue or cheek* or gingiva* or gum* or palat* or buccal or buccal mucosa* or maxilla* or tonsil*) adj3 (cancer* or tumor* or neoplas* or malignant* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
11. exp oropharyngeal neoplasms/
12. ((oropharynx* or retromolar trigone) adj3 (cancer* or tumor* or neoplas* or malignant* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
13. exp pharyngeal neoplasms/
14. exp tracheal neoplasms/
15. ((pharyn* or throat or trachea* or paratrachea* or windpipe*) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metast* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
16. exp nasopharyngeal neoplasms/
17. (nasopharyn* adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metast* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
18. exp hypopharyngeal neoplasms/
19. ((hypopharyn* or laryngopharyn*) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metast* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
20. exp laryngeal neoplasms/
21. ((laryng* or glottis* or epiglottis* or subglottis* or supraglottis* or vocal cord* or vocal fold* or voice box* or cordal) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metast* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
22. exp paranasal sinus neoplasms/
23. ((paranasal* or nasal* or nasosinus* or sinonasal* or ((nasal* or frontal or ethmoidal or spheroid or maxilla*)) adj sinus*)) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metast* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma or plasmacytoma* or neuroendocrine or neuroblastoma* or esthesioneuroblastoma*)).tw.
24. or/1-23
25. Tomography, Emission-computed/
26. Tomography, X-Ray Computed/
27. Tomography, Spiral Computed/
28. ((CT or CTS or CAT) adj (scan* or imag*)).tw.
29. comput* tomograph*.tw.
30. exp Positron-Emission Tomography/
31. ((positron emission or computed or computerised or computerized) and tomography*).tw.
32. (PET CT or PET-CT or PETCT).tw.
33. PET.tw.
34. Fluorodeoxyglucose F18/
35. F18.tw.
36. Fluorodeoxyglucose.tw.
37. FDG.tw.
38. Magnetic Resonance Imaging/
39. (Magnetic resonance imaging or MRI).tw.
40. (MR* adj (scan* or imag*)).tw.
41. exp Ultrasonography/
42. (ultraso* or sonogra*).tw.
43. (chest* adj2 (x-ray or xray or radiogra*)).tw.
44. CXR.tw.
45. (bone* adj3 (scan* or scintigraph* or scintiscan*)).tw.
46. Tomography, X-Ray/
47. Diagnostic Imaging/
48. (diagnos* adj (imag* or scan*)).tw.
49. or/25-48
50. 24 and 49
51. limit 50 to english language
52. limit 51 to yr="1994 -Current"

2. Notes
Due to the volume of results, a systematic reviews filter was applied. The search was also limited to the English language with a date of 1994 onwards applied.

3. Health Economics Literature search details
This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on upper airways cancers.
4. Update Search
For the update search, the same search criteria/filters were applied as initial search with a date limit of February 2015 onwards.

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1 additional reference identified in a high level search of Pubmed 15/06/2015

Total References retrieved (after de-duplication): 8
Chapter 3: Treatment of early stage disease

### NATIONAL COLLABORATING CENTRE FOR CANCER

<table>
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<th>Cancer of the Upper Aero Digestive Tract Clinical Guideline</th>
<th>Literature search summary</th>
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#### Question title: What is the most effective treatment for newly diagnosed T1 or T2 carcinoma of the larynx?

#### Question no: Topic D1

1. **Literature search details**

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Total References retrieved (after de-duplication): 539

**Medline search strategy** *(This search strategy is adapted to each database.)*

1. exp Laryngeal Neoplasms/
2. ((laryng* or glotti* or epiglotti* or subglotti* or supraglotti* or vocal cord* or vocal fold* or voice box* or cordal) adj (cancer* or tumor* or neoplas* or malignan* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
3. 1 OR 2
4. exp Early Diagnosis/ or exp "Early Detection of Cancer"/
5. (T1 or T2 or NO).tw.
6. (early adj stage).tw.
7. 4 OR 5 OR 6
8. 3 AND 7
9. exp Radiotherapy/
10. (radiotherap* or radiat* or irradiat*).tw.
11. radical chemoradiation*.tw.
13. exp Laryngectomy/
14. laryngectomy.tw.
15. transoral robotic surgery.tw.
16. transoral laser microsurgery.tw.
17. 10 OR 11 OR 12 OR 13 OR 14 OR 15 OR 16
18. 8 AND 17

Note: A general exclusion filter was added to the search.

2. **Health Economics Literature search details**

This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on upper airways cancers.

3. **Update Searches**

For the update search, the same search criteria/filters were applied as the initial search with a date limit of March 2014 onwards.

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Page 14 of 45
Question title: What is the most effective management strategy for the clinically and radiologically N0 neck in patients with early squamous cell carcinoma of the oral cavity?

Question no: Topic F

1. Literature search details

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Total References retrieved (after de-duplication): 1259

**Medline search strategy** *(This search strategy is adapted to each database.)*

1. exp Mouth Neoplasms/
2. exp Lip Neoplasms/
3. exp Gingival Neoplasms/
4. exp Palatal Neoplasms/
5. exp Tongue Neoplasms/
6. exp Tonsillar Neoplasms/
7. exp Maxillary Neoplasms/
8. ((mouth or oral or intra-oral or intraoral or oral mucos* or lip* or tongue or cheek* or gingiva* or gum* or palat* or buccal or buccal mucosa* or maxilla* or tonsil*) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncololog* or melanoma or squamous or teratoma or lymphoma)).tw.
9. or/1-8
10. exp Radiotherapy/
11. (radiotherap* or irradiat* or radiat*).tw.
12. chemotherap*.tw.
13. exp Chemoradiotherapy/
14. (chemoradiotherap* or chemoradiat*).tw.
15. exp Neck Dissection/
16. (neck adj3 (dissect* or surg*)).tw.
17. exp Sentinel Lymph Node Biopsy/
18. ((sentinel lymph node or sentinel node) adj3 biops*).tw.
19. (active adj1 surveillance).tw.
20. (active adj1 monitoring).tw.
21. watchful wait*.tw.
22. exp Watchful Waiting/
23. (watch* adj2 wait*).tw.
24. (watchful adj2 (observation or surveillance or monitoring)).tw.
25. (active adj2 (surveillance or monitoring)).tw.
26. (expectant adj2 (monitoring or surveillance)).tw.
27. ((deferred or delayed) adj2 (therap* or treatment*)).tw.
28. conservative monitoring.tw.
29. or/10-28
30. 9 and 29
31. letter.pt.
32. Letter/
33. letter$/
34. editorial.pt.
35. historical article.pt.
36. anecdote.pt.
37. commentary.pt.
38. note.pt.
39. Case Report/
40. case report$.pt.
41. Case Study/
42. case study.pt.
43. exp animal/ not human/
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45. exp animal experiment/
46. exp Experimental Animal/
47. exp animal model/
48. exp rodent/
49. exp rodentia/
50. Animals, Laboratory/
51. exp rodent/
52. or/31-51
53. 30 not 52

2. Any further comments
The search was conducted from 1994 onwards. According to the GDG, this is the date of publication for the earliest evidence on this topic. RCTs, Systematic Reviews and Observational Studies filters were applied.

3. Health Economics Literature search details
This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on upper airways cancers.

4. Update Search
For the update search, the same search criteria/filters were applied as initial search with a date limit of September 2014 onwards.

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Total References retrieved (after de-duplication): 59

NATIONAL COLLABORATING CENTRE FOR CANCER
Cancer of the Upper Aero Digestive Tract Clinical Guideline

Question title: What is the optimal management of T1-2, N0 squamous cell carcinoma of the oropharynx?
Question no: Topic I

1. Literature search details

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Total References retrieved (after sifting and de-duplication): 1780

Medline search strategy (*This search strategy is adapted to each database.*)
1. exp Oropharyngeal Neoplasms/
2. ((oropharyn* or retromolar trigone) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
3. 1 or 2
4. Carcinoma, Squamous Cell/
5. squamous cell.tw.
6. 4 or 5
7. 3 and 6
8. exp Radiotherapy/
9. (radiotherap* or irradiat* or radiat* or brachytherap*).tw.
10. (hyperfractionate* or hyper-fractionate*).tw.
11. (chemotherap* or (cytotoxi* adj (therap* or treatment* or intervention*)>).tw.
12. exp Chemoradiotherapy/
13. (chemoradiotherap* or chemoradiat* or chemo-irradiat*).tw.
15. Chemotherapy, Adjuvant/
16. exp Antineoplastic Agents/
17. (adriamycin* or bleomycin or carboplatin or cetuximab or cisplatin* or docetaxel* or doxorubicin* or fluorouracil or hydroxyurea or methotrex* or paclitaxel or vinblastine).tw.
18. ((epidermal growth factor receptor or EGFR) adj (inhibit* or antagonist* or antibod*)).tw.
19. Surgical Procedures, Operative/
20. Robotics/ and Surgical Procedures, Operative/
21. Laser Therapy/
22. Glossectomy/
23. Pharyngectomy/
24. Lymph Node Excision/
25. (surg* or resect* or dissect* or excis* or glossectom* or pharyngectom* or oropharyngectom* or lymphadenectom*).tw.
26. Combined Modality Therapy/
27. or/8-26
28. 7 and 27
29. limit 28 to yr="1994 -Current"

2. Notes
The search was conducted from 1994 onwards. According to the GDG, this is the date of publication for the earliest evidence on this topic.
A general exclusions filter was also applied.

3. Health Economics Literature search details
This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on upper airways cancers.
4. **Update Search**

For the update search, the same search criteria/filters were applied as initial search with a date limit of December 2014 onwards.

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4 additional references identified in a high level search of Pubmed 15/06/2015

**Total References retrieved (after de-duplication): 32**
Chapter 4: Treatment of advanced disease

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Question title: What is the most effective treatment for newly diagnosed T3 and T4 squamous cell carcinoma of the larynx?

Question no: Topic D2

1. Literature search details

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Total References retrieved (after de-duplication): 978

Medline search strategy (This search strategy is adapted to each database.)

1. exp laryngeal neoplasms/
2. ((laryng* or glott* or epiglott* or subglott* or supraglott* or vocal cord* or vocal fold* or voice box* or cordal) adj (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
3. 1 or 2
4. Carcinoma, Squamous Cell/
5. squamous cell.tw.
6. (OPSCC or HNSCC).tw.
7. or/4-6
8. 3 and 7
9. exp Radiotherapy/
10. (.radiotherap* or irradiat* or radiat* or brachytherap*).tw.
11. (hyperfractionat* or hyper-fractionat* or altered-fractionat* or altered fractionat*).tw.
12. chemotherap*.tw.
13. exp Chemoradiation /
14. (chemoradiotherap* or chemoradiat* or chemoirradiat*).tw.
15. Antineoplastic Combined Chemotherapy Protocols/
16. Chemotherapy, Adjuvant/
17. Induction Chemotherapy/
18. Neoadjuvant Therapy/
19. exp Antineoplastic Agents/
20. (bleomycin* or carboplatin* or cisplatin* or docetaxel* or taxotere or fluorouracil or 5FU or Ifosfamide or methotrex* or paclitaxel or abraxane or taxol).tw.
21. (epidermal growth factor receptor or EGFR) adj (inhibit* or antagonist*or antibod*).tw.
22. (lapatinib or tyverb or tykerb).tw.
23. (cetuximab or erbitux).tw.
24. Surgical Procedures, Operative/
25. Robotics/ and Surgical Procedures, Operative/
26. Laser Therapy/
27. Lymph Node Excision/
28. Laryngectomy/
29. (transoral adj2 (microsurg* or resect* or surg*)).tw.
30. (TLM or TORL).tw.
31. (endoscop* adj (surg* or resect* or microsurg*)).tw.
2. Any further comments
The search was conducted from 1991 onwards. According to the GDG, this is the date of publication for the earliest evidence on this topic. RCTs, Systematic Reviews and Observational Studies filters were applied.

3. Health Economics Literature search details
This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on upper airways cancers.

4. UPDATE SEARCH
For the update search, the same search criteria/filters were applied as initial search with a date limit of February 2015 onwards.

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5 additional references identified in a high level search of Pubmed 15/06/2015

Total References retrieved (after de-duplication): 13

NATIONAL COLLABORATING CENTRE FOR CANCER
Cancer of the Upper Aero Digestive Tract Clinical Guideline Literature search summary

Question title: What is the most effective treatment for newly diagnosed locally advanced squamous cell carcinoma of the hypopharynx (for example, surgery, radiotherapy, chemoradiotherapy, chemotherapy or other systemic therapies)?

Question no: Topic E

1. Literature search details

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Total References retrieved (after de-duplication):

Medline search strategy *(This search strategy is adapted to each database.)*
1. exp Hypopharyngeal Neoplasms/
2. ((hypopharyn* or laryngopharyn*) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metastas* or
adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
3. 1 or 2
4. (surg* or dissect* or resect* or excis* or reconstruct*).tw.
5. exp Reconstructive Surgical Procedures/
6. exp Radiotherapy/
7. (radiotherap* or irradiat* or radiat*).tw.
8. chemotherap*.tw.
9. exp Chemoradiotherapy/
10. chemoradiotherap*.tw.
11. or/4-10
12. 3 and 11
14. Letter/
15. letter$/
17. historical article.pt.
18. anecdote.pt.
19. commentary.pt.
20. note.pt.
21. Case Report/
22. case report$.pt.
23. Case Study/
24. case study.pt.
25. exp animal/ not human/
26. Nonhuman/
27. exp animal experiment/
28. exp Experimental Animal/
29. exp animal model/
30. exp rodent/
31. exp rodentia/
32. Animals, Laboratory/
33. exp rodent/
34. or/13-33
35. 12 not 34

2. Health Economics Literature search details
This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on upper airways cancers.

3. Update Searches

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1 additional reference identified in a high level search of Pubmed 15/06/2015

Total References retrieved (after de-duplication): 68

NATIONAL COLLABORATING CENTRE FOR CANCER
Cancer of the Upper Aero Digestive Tract Clinical Guideline Literature search summary
Question title: What are the most effective palliative treatments for people with incurable upper aerodigestive tract cancer experiencing breathing difficulties?

Question no: Topic N

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Total References retrieved (after de-duplication): 293

**Medline search strategy** *(This search strategy is adapted to each database.)*

1. exp "Head and Neck Neoplasms"/
2. (("head and neck" or "upper aero-digestive" or "upper aerodigestive" or "upper airway" or "upper respiratory" or UAT or UADT) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
3. exp Mouth Neoplasms/
4. exp Lip Neoplasms/
5. exp Gingival Neoplasms/
6. exp Palatal Neoplasms/
7. exp Tongue Neoplasms/
8. exp Tonsillar Neoplasms/
9. exp Maxillary Neoplasms/
10. ((mouth or oral or intra-oral or intraoral or oral mucos* or lip* or tongue or cheek* or gingiva* or gum* or palat* or buccal or buccal mucosa* or maxilla* or tonsil*)) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
11. exp Oropharyngeal Neoplasms/
12. ((oropharyn* or retromolar trigone) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
13. exp Pharyngeal Neoplasms/
14. exp Tracheal Neoplasms/
15. ((pharyn* or throat or trachea* or paratrachea* or windpipe*) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
16. exp Nasopharyngeal Neoplasms/
17. ((nasopharyn* adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
18. exp Hypopharyngeal Neoplasms/
19. ((hypopharyn* or laryngopharyn*) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
20. exp Laryngeal Neoplasms/
21. ((laryng* or glotti* or epiglotti* or subglotti* or supraglotti* or vocal cord* or vocal fold* or voice box* or cordal) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
22. exp ParanasalSinus Neoplasms/
23. ((paranasal* or nasal* or nasosinus* or sinonasal* or ((nasal* or frontal or ethmoidal or spheroid or maxilla*)) adj sinus*)) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma or plasmacytoma* or neuroendocrine or neuroblastoma* or esthesioneuroblastoma*)).tw.
24. or/1-22
25. exp Dyspnea/
26. dyspnea*.tw.
27. stridor*.tw.
28. (breath* adj3 (difficult* or impair* or shortness)).tw.
29. breathless*.tw.
30. exp Airway Obstruction/
31. (airway* adj3 (obstruct*or narrow*)).tw.
32. or/25-31
33. 24 and 32
34. letter.pt.
35. Letter/
36. letter$/
37. editorial.pt.
38. historical article.pt.
39. anecdote.pt.
40. commentary.pt.
41. note.pt.
42. Case Report/
43. case report$.pt.
44. Case Study/
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46. exp animal/ not human/
47. Nonhuman/
48. exp animal experiment/
49. exp Experimental Animal/
50. exp animal model/
51. exp rodent/
52. exp rodentia/
53. Animals, Laboratory/
54. exp rodent/
55. or/34-54
56. 33 not 55

2. Health Economics Literature search details
This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on upper airways cancers.

3. Update Searches
For the update search, the same search criteria/filters were applied as initial search with a date limit of December 2014 onwards.

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4. Total References retrieved (after de-duplication): 5
Chapter 5: HPV-related disease

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**Question title:** What is the most effective test to identify an HPV positive tumour in people with cancer of the upper aerodigestive tract?

**Question no:** Topic K2

**1. Literature search details**

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**Total References retrieved (after databases combined, de-duplicated and sifted): 983**

**Medline search strategy** *(This search strategy is adapted to each database)*

1. exp "Head and Neck Neoplasms"/
2. ("head and neck" adj3 (cancer* or tumo?r* or neoplas* or malignant* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)) or ("upper aerodigestive" or "upper airway*" or "upper respiratory" or UAT or UADT) adj3 (cancer* or tumo?r* or neoplas* or malignant* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
3. exp mouth neoplasms/
4. exp lip neoplasms/
5. exp gingival neoplasms/
6. exp palatal neoplasms/
7. exp tongue neoplasms/
8. exp tonsillar neoplasms/
9. exp maxillary neoplasms/
10. (moutth or oral or intra-oral or intraoral or oral mucos* or lip* or tongue or cheek* or gingiva* or gum* or palat* or buccal or buccal mucosa* or maxilla* or tonsil*) adj3 (cancer* or tumo?r* or neoplas* or malignant* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
11. exp oropharyngeal neoplasms/
12. ((oropharynx* or retromolar trigone) adj3 (cancer* or tumo?r* or neoplas* or malignant* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
13. exp pharyngeal neoplasms/
14. exp tracheal neoplasms/
15. (pharynx* or throat or trachea* or paratrachea* or windpipe*) adj3 (cancer* or tumo?r* or neoplas* or malignant* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
16. exp nasopharyngeal neoplasms/
17. (nasopharynx* adj3 (cancer* or tumo?r* or neoplas* or malignant* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
18. exp hypopharyngeal neoplasms/
19. ((hypopharynx* or laryngopharyn*) adj3 (cancer* or tumo?r* or neoplas* or malignant* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
20. exp laryngeal neoplasms/
21. (larynx* or glott* or epiglott* or subglott* or supraglott* or vocal cord* or vocal fold* or voice box* or cordal) adj3 (cancer* or tumo?r* or neoplas* or malignant* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
22. exp paranasal sinus neoplasms/
23. ((paranasal* or nasal* or nasosinus* or sinonasal* or ((nasal* or frontal or ethmoidal or spheroid or maxilla*) adj sinuses*)) adj3 (cancer* or tumour* or neoplasm* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma or plasmacytoma* or neuroendocrine or neuroblastoma* or esthesioneuropoblastoma*)).tw.
24. or/1-23
25. exp Carcinoma, Squamous Cell/di, pa, vi
26. exp Papillomavirus Infections/di, pa, vi
27. HPV positive.tw.
29. (OPSCC or HNSCC).tw.
30. or/25-29
31. 24 and 30
32. (HPV16 adj2 (test* or investigat*)).tw.
33. Immunohistochemistry/
34. (immunohistochem* or immunolabel* or immunogold* or immunocytochem*).tw.
35. 33 or 34
36. exp Polymerase Chain Reaction/
37. ((polymerase adj chain) or (polymerase adj reaction) or pcr or qpcr).tw.
38. 36 or 37
39. exp RNA/ or exp DNA/
40. (RNA or DNA).tw.
41. (ribonucleic acid or deoxyribonucleic acid).tw.
42. or/39-41
43. 38 and 42
44. exp In Situ Hybridization/
45. ("in situ" adj hybridization*).tw.
46. (nucleic acid adj hybridization*).tw.
47. or/44-46
48. Gene Expression Profiling/
49. (transcript* adj (profiling* or monitor* or analysis*)).tw.
50. (gene expression adj (profiling* or monitor* or analysis*)).tw.
51. (mrna and differential and display*).tw.
52. or/48-51
53. 32 or 35 or 38 or 43 or 47 or 52
54. 31 and 53
55. limit 54 to yr="2000 – Current

2. Any further comments
The search was conducted from 2000 onwards. According to the GDG, this is the date of publication for the earliest evidence on this topic.
A general exclusions filter was also applied.

3. Health Economics Literature search details
This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on upper airways cancers

4. Update Searches
For the update searches, the same search criteria/filters were applied as the initial searches with a date limit of July 2014 onwards.

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Total References retrieved (after de-duplication): 41
# Literature search summary

**Question title:** Is there a role for de-intensification of treatment in patients with HPV positive upper aerodigestive tract tumours?

**Question no:** Topic K3

## 1. Literature search details

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Total References retrieved (after de-duplication): 662

**Medline search strategy** *(This search strategy is adapted to each database.)*

1. exp "Head and Neck Neoplasms"/
2. exp Palatal Neoplasms/
3. exp Tongue Neoplasms/
4. exp Tonsillar Neoplasms/
5. exp Oropharyngeal Neoplasms/
6. exp Pharyngeal Neoplasms/
7. (upper aerodigestive tract adj (cancer or neoplasm* or tumor or carcinoma)).tw.
8. (Orophary* adj (cancer or neoplasm* or tumor or carcinoma)).tw.
9. or/1-8
10. exp Carcinoma, Squamous Cell/
11. exp Papillomavirus Infections/
12. HPV positive.tw.
14. (OPSCC or HNSCC).tw.
15. 10 or 11 or 12 or 13 or 14
16. 9 and 15
17. (standard therapy or standard treatment).tw.
18. radiation therapy.tw.
19. exp Radiotherapy/ or exp Radiotherapy Dosage/
20. exp Drug Therapy/
21. exp Antineoplastic Combined Chemotherapy Protocols/tu [Therapeutic Use]
22. exp Cisplatin/tu [Therapeutic Use]
23. cetuximab.tw.
24. (concomitant adj chemotherapy).tw.
27. ((trans-oral adj surgery) or (transoral adj surgery) or (Neck adj dissection)).tw.
28. reconstruction.tw.
29. Lapatinib.tw.
30. EGFR.tw.
31. ((post operative or adjuvant) adj radiotherapy).tw.
32. chemoradiotherapy.tw.
33. (systemic adj (treatment or therapy)).tw.
34. or/17-33
35. deintensification.tw.
36. de-intensification.tw.
37. de-escalat*.tw.
38. (dose adj3 reduc*).tw.
39. (alteration or modification or modify or optimi*).tw.
40. (altered adj fractionation*).tw.
41. treatment volume.tw.
42. (treatment adj (response or assessment)).tw.
43. (decreas* or overtreatment or undertreatment).tw.
44. intensity modulated.tw.
45. response rate*.tw.
46. relapse.tw.
47. patient management.tw.
48. exp "Quality of Life"/
49. exp Risk Assessment/
50. risk stratification.tw.
51. exp Prognosis/
52. (toxicity or local control or locoregional recurrence or survival).tw.
53. or/35-52
54. 34 and 53
55. 16 and 54

Note:
As advised by the GDG he following filters were applied: Randomised controlled trials and observational studies filter. The search was conducted from 2000 onwards. According to the GDG, this is the date of publication for the earliest evidence on this topic.

2. Health Economics Literature search details
This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on upper airways cancers

3. Update Searches
For the update searches, the same search criteria/filters were applied as the initial searches with a date limit of June 2014 onwards.

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Total References retrieved (after de-duplication): 85
Chapter 6: Less-common UADT cancers

NATIONAL COLLABORATING CENTRE FOR CANCER

Cancer of the Upper Aero Digestive Tract Clinical Guideline

Literature search summary

Question title: What is the most effective curative treatment for carcinoma of the nasopharynx?

Question no: Topic G

1. Literature search details

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Total References retrieved (after de-duplication): 1351

Medline search strategy (This search strategy is adapted to each database.)

1. exp Nasopharyngeal Neoplasms/
2. (nasopharyn* adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or meta sta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
3. 1 or 2
4. exp Radiotherapy/
5. (radiotherap* or radiat* or irradiat* or radiosurger*).tw.
6. exp Brachytherapy/
7. brachytherap*.tw.
8. exp Chemoradiotherapy/
9. (chemoradiotherap* or chemoradiat* or chemo irradiat*).tw.
10. chemotherap*.tw.
11. (cytotoxi* adj (therap* or treatment* or intervention*)).tw.
12. (bleomycin or carboplatin or paralatin or cetuximab or cisplatin or docetaxel or taxotere or doxorubicin or Adriamycin or fluorouracil or 5FU or gemcitabine or gemzar or methotrexate or matrex or paclitaxel or taxol).tw.
13. Surgical Procedures, Operative/
14. (surg* or resect* or dissect* or excis* or nasopharyngectom*).tw.
15. ((epidermal growth factor receptor or EGFR) adj (inhibit* or antagonist*or antibod*)).tw.
16. (lapatinib or tyverb).tw.
17. (Cetuximab or Erbitux).tw.
18. *Combined Modality Therapy/
19. or/4-18
20. 3 and 19

2. NOTES

The search was limited to the English language and with a date of 1994 onwards at the advice of the GDG. Search filters for systematic reviews, randomised controlled trials and observational studies were applied.
3. Health Economics Literature search details
This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on upper airways cancers

4. Update Searches

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4 additional references identified from a high level search of Pubmed 15/06/2015

Total References retrieved (after de-duplication): 32

NATIONAL COLLABORATING CENTRE FOR CANCER

Cancer of the Upper Aero Digestive Tract Clinical Guideline

Literature search summary

Question title: What is the optimal role and timing (in relation to other treatments) of surgery in the management of paranasal sinus carcinoma?

Question no: Topic H

1. Literature search details

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Total References retrieved (after de-duplication): 1288

Medline search strategy (This search strategy is adapted to each database.)
1. exp Paranasal Sinus Neoplasms/
2. ((paranasal* or nasal* or nasosinus* or sinonasal* or nose or ((nasal* or frontal or ethmoidal or spheroid or maxilla*) adj (sinus*)) adj3 (cancer* or tumo?r* or antibod* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or squamous or teratoma or lymphoma or plasmacytoma* or neuroendocrine or sarcoma*or chondrosarcoma* or haemangiopericytoma* or hemangiopericytoma*)),tw.
3. 1 or 2
4. Combined Modality Therapy/
5. exp Chemoradiotherapy/
6.(chemoradiotherap* or radiochemotherap* or chemoradiat*).tw.
7. 5 or 6
8. exp Radiotherapy/
9. (29ntibody29apy* or radiat* or irradiat*).tw.
10. 8 or 9
11. Surgical Procedures, Operative/
12. exp Nasal Surgical Procedures/
13. exp Reconstructive Surgical Procedures/
14. (surg* or resect* or dissec* or excis* or reconstruct* or obturat* or maxillectom* or nasopharyngectom*).tw.
15. or/11-14
16. Antineoplastic Combined Chemotherapy Protocols/
17. Chemotherapy, Adjuvant/
18. Consolidation Chemotherapy/
19. Induction Chemotherapy/
20. Maintenance Chemotherapy/
21. 30ntibody30apy*.tw.
22. or/16-21
23. ((epidermal growth factor receptor or EGFR) adj2 (inhibit* or antagonist*or 30ntibody*)).tw.
24. (lapatinib or tykerb or tyverb).tw.
25. (tyrosine kinase adj (inhibit* or antagonist*)).tw.
27. (sunitinib or sutent).tw.
28. (sorafenib or nexavar).tw.
29. (nimotuzumab or theraloc or theracim).tw.
30. or/23-29
31. 4 or 7 or 10 or 15 or 22 or 30
32. 3 and 31

2. Any further comments
The search was conducted from 1994 onwards. According to the GDG, this is the date of publication for the earliest evidence on this topic.
RCTs, Systematic Reviews and Observational Studies filters were applied.

3. Health Economics Literature search details
This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on upper airways cancers

4. Update Search
For the update search, the same search criteria/filters were applied as initial search with a date limit of July 2014 onwards.

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2 additional references identified from a high level search of Pubmed 15/06/2015

Total References retrieved (after de-duplication): 33
1. Literature search details

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Total References retrieved (after de-duplication): 521

Medline search strategy *(This search strategy is adapted to each database.)*

1. exp "Head and Neck Neoplasms"/
2. (("head and neck" or "upper aero-digestive" or "upper aerodigestive" or "upper airway" or "upper respiratory" or UAT or UADT) adj3 (cancer* or tumo?r* or neoplas* or malignant* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
3. exp Mouth Neoplasms/
4. exp Lip Neoplasms/
5. exp Gingival Neoplasms/
6. exp Palatal Neoplasms/
7. exp Tongue Neoplasms/
8. exp Tonsillar Neoplasms/
9. exp Maxillary Neoplasms/
10. ((mouth or oral or intra-oral or intraoral or oral mucos* or lip* or tongue or cheek* or gingiva* or gum* or palat* or buccal or buccal mucosa* or maxilla* or tonsil*) adj3 (cancer* or tumo?r* or neoplas* or malignant* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
11. exp Oropharyngeal Neoplasms/
12. ((oropharyn* or retromolar trigone) adj3 (cancer* or tumo?r* or neoplas* or malignant* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
13. exp Pharyngeal Neoplasms/
14. exp Tracheal Neoplasms/
15. ((pharyn* or throat or trachea* or paratrachea* or windpipe*) adj3 (cancer* or tumo?r* or neoplas* or malignant* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
16. exp Nasopharyngeal Neoplasms/
17. (nasopharyn* adj3 (cancer* or tumo?r* or neoplas* or malignant* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
18. exp Hypopharyngeal Neoplasms/
19. ((hypopharyn* or laryngopharyn*) adj3 (cancer* or tumo?r* or neoplas* or malignant* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
20. exp Laryngeal Neoplasms/
21. ((laryng* or glott* or epiglott* or subglott* or supraglott* or vocal cord* or vocal fold* or voice box* or cordal) adj3 (cancer* or tumo?r* or neoplas* or malignant* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
22. exp Paranasal Sinus Neoplasms/
23. ((paranasal* or nasal* or nasosinus* or sinonasal* or ((nasal* or frontal or ethmoidal or spheroid or maxilla*) adj sinus*)) adj3 (cancer* or tumo?r* or neoplas* or malignant* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma or plasmacytoma* or neuroendocrine or neuroblastoma* or esthesioneuroblastoma*)).tw.
24. or/1-23
25. exp Neoplasms, Unknown Primary/
26. (unknown primar* and (cancer* or neoplas* or tumo?r* or carcinoma* or adenocarcinoma* or metasta* or micrometasta* or malignant* or lymphoma*)).tw.
27. (unknown origin and (cancer* or neoplas* or tumo?r* or carcinoma* or adenocarcinoma* or metasta* or micrometasta* or malignant* or lymphoma*)).tw.
28. (occult adj2 (cancer* or neoplas* or tumo?r* or carcinoma* or adenocarcinoma* or metasta* or micrometasta* or malignant* or lymphoma*)).tw.
29. (undetermined origin and (cancer* or neoplas* or tumo?r* or carcinoma* or adenocarcinoma* or metasta* or
micrometasta* or malignan* or lymphoma*).tw.
30. (undetermined primar* and (cancer* or neoplas* or tumo?r* or carcinoma* or adenocarcinoma* or metasta* or micrometasta* or malignan* or lymphoma*).tw.
31. (unidentifi* origin and (cancer* or neoplas* or tumo?r* or carcinoma* or adenocarcinoma* or metasta* or micrometasta* or malignan* or lymphoma*).tw.
32. (unidentifi* primar* and (cancer* or neoplas* or tumo?r* or carcinoma* or adenocarcinoma* or metasta* or micrometasta* or malignan* or lymphoma*).tw.
33. or/25-32
34. 24 and 33

2. Health Economics Literature search details
This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on upper airways cancers.

3. Any further comments
Basic exclusions filter only and date limit of 1994 onwards applied by GDG due to earliest evidence on this topic. Any possibly relevant material selected.

4. Update Search
For the update search, the same search criteria/filters were applied as initial search with a date limit of 2014 onwards.

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Total References retrieved (after de-duplication): 39

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NATIONAL COLLABORATING CENTRE FOR CANCER

Cancer of the Upper Aero Digestive Tract Clinical Guideline  Literature search summary

Question title: What is the optimal locoregional treatment for newly diagnosed upper airways tract mucosal melanoma in the absence of systemic metastases?

Question no: Topic L

1. Literature search details

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Total References retrieved (after de-duplication): 574

Medline search strategy * (This search strategy is adapted to each database.)
1. exp "Head and Neck Neoplasms"/
2. (*"head and neck" or "upper aero-digestive" or "upper aerodigestive" or "upper airway" or "upper respiratory" or UAT or UADT).tw.
3. exp Mouth Neoplasms/
4. exp Lip Neoplasms/
5. exp Gingival Neoplasms/
6. exp Palatal Neoplasms/
7. exp Tongue Neoplasms/
8. exp Tonsillar Neoplasms/
9. exp Maxillary Neoplasms/
10. (mouth or oral or intra-oral or intraoral or oral mucos* or lip* or tongue or cheek* or gingiva* or gum* or palat* or buccal or buccal mucosa* or maxilla* or tonsil*).tw.
11. exp Oropharyngeal Neoplasms/
12. (oropharyn* or retromolar trigone).tw.
13. exp Pharyngeal Neoplasms/
14. exp Tracheal Neoplasms/
15. (pharyn* or throat or trachea* or paratrachea* or windpipe*).tw.
16. exp Nasopharyngeal Neoplasms/
17. nasopharyn*.tw.
18. exp Hypopharyngeal Neoplasms/
19. (hypopharynx* or laryngopharynx*).tw.
20. exp Laryngeal Neoplasms/
21. (laryng* or glottis* or epiglottis* or subglottis* or supraglottis* or vocal cord* or vocal fold* or voice box* or cordal).tw.
22. exp Paranasal Sinus Neoplasms/
23. (paranasal* or nasal* or nasosinus* or sinonasal* or nose).tw.
24. ((nasal* or frontal or ethmoidal or spheroid or maxilla*) adj sinus*).tw.
25. or/1-22
26. mucosal melanoma.tw.
27. ((muco* membrane* or muco*) adj3 melanoma*).tw.
28. 26 or 27
29. 25 and 28
30. exp Melanoma/rt, su, th [Radiotherapy, Surgery, Therapy]
32. 22 or 23 or 31
33. 30 and 32
34. 29 or 33
35. letter.pt.
36. Letter/
37. letter$/
38. editorial.pt.
39. historical article.pt.
40. anecdote.pt.
41. commentary.pt.
42. note.pt.
43. Case Report/
44. case report$.pt.
45. Case Study/
46. case study.pt.
47. exp animal/ not human/
48. Nonhuman/
49. exp animal experiment/
50. exp Experimental Animal/
51. exp animal model/
52. exp rodent/
53. exp rodentia/
54. Animals, Laboratory/
55. exp rodent/
56. or/35-55
57. 34 not 56
2. **Health Economics Literature search details**
This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on upper airways cancers.

3. **Update searches**
For the update search, the same search criteria/filters were applied as initial search with a date limit of February 2014 onwards.

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1 additional reference identified in a high level search of Pubmed 15/06/2015

**Total References retrieved (after de-duplication): 26**
Chapter 7: Optimising function and rehabilitation

NATIONAL COLLABORATING CENTRE FOR CANCER

Cancer of the Upper Aero Digestive Tract Clinical Guideline

| Question title: What criteria should be used at the point of diagnosis to select patients requiring enteral nutritional support during curative treatment? |

| Question no: Topic Q1 |

1. Literature search details

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Total References retrieved (after de-duplication): 1211

Medline search strategy (This search strategy is adapted to each database.)
1. "head and neck neoplasms"/ or facial neoplasms/ or mouth neoplasms/ or otorhinolaryngologic neoplasms/
2. ("upper respiratory tract" or "upper airway" tract" or "upper aerodigestive tract" or "head and neck" or UAT or UADT or head or neck) adj3 (cancer* or neoplasm* or carcinoma* or tumo?r* or adenocarcinoma* or oncolog* or malignant* or lymphoma* or melanoma* or squamous or teratoma* or keratini?* or non-keratini?* or non keratini?* or differentiat* or undifferentiat* or basaloid* or neuroendocrin* or adenoid cystic or plasmacytoma* or esthesioneuroblastoma*).tw.
3. exp Mouth Neoplasms/
4. (oral or intra-oral or intraoral or mouth or lip* or tongue or cheek* or cheek lin* or gingiv* or gum* or palat* or "roof of mouth" or odontogenic or teeth or tooth or buccal or buccal mucosa or face or facial or maxilla*) adj3 (cancer* or neoplasm* or carcinoma* or tumo?r* or adenocarcinoma* or oncolog* or malignant* or lymphoma* or melanoma* or squamous or teratoma* or keratini?* or non-keratini?* or non keratini?* or differentiat* or undifferentiat* or basaloid* or neuroendocrin* or adenoid cystic or plasmacytoma* or esthesioneuroblastoma*).tw.
5. exp Lip Neoplasms/
6. exp Gingival Neoplasms/
7. exp Palatal Neoplasms/
8. exp Tongue Neoplasms/
9. exp Tonsillar Neoplasms/
10. exp Mandibular Neoplasms/
11. exp Maxillary Neoplasms/
12. exp Odontogenic Tumors/
13. exp Oropharyngeal Neoplasms/
14. ("(oropharyn* or tonsil* or retromolar") adj3 (cancer* or neoplasm* or carcinoma* or tumo?r* or adenocarcinoma* or oncolog* or malignant* or lymphoma* or melanoma* or squamous or teratoma* or keratini?* or non-keratini?* or non keratini?* or differentiat* or undifferentiat* or basaloid* or neuroendocrin* or adenoid cystic or plasmacytoma* or esthesioneuroblastoma*)).tw.
15. exp Pharyngeal Neoplasms/
16. ("(pharyn* or throat) adj3 (cancer* or neoplasm* or carcinoma* or tumo?r* or adenocarcinoma* or oncolog* or malignant* or lymphoma* or melanoma* or squamous or teratoma* or keratini?* or non-keratini?* or non keratini?* or differentiat* or undifferentiat* or basaloid* or neuroendocrin* or adenoid cystic or plasmacytoma* or esthesioneuroblastoma*)).tw.
17. exp Nasopharyngeal Neoplasms/
18. ("nasopharyn* adj3 (cancer* or neoplasm* or carcinoma* or tumo?r* or adenocarcinoma* or oncolog* or malignant* or lymphoma* or melanoma* or squamous or teratoma* or keratini?* or non-keratini?* or non keratini?* or differentiat* or undifferentiat* or basaloid* or neuroendocrin* or adenoid cystic or plasmacytoma* or esthesioneuroblastoma*)).tw.
19. exp Hypopharyngeal Neoplasms/
20. (hypopharynx or laryngopharynx) adj3 (cancer* or neoplasm* or carcinoma* or tumor?* or adenocarcinoma* or oncolog* or malignant* or lymphoma* or melanoma* or squamous or teratoma* or keratin?* or non-keratin?* or non keratin?* or differentiat* or undifferentiat* or basaloid* or neuroendocrin* or adenoid cystic or plasmacytoma* or esthesioneuroblastoma*).tw.
21. exp Laryngeal Neoplasms/
22. ((larynx or glottis* or epiglottis* or subglottis* or supraglottis* or vocal cord* or vocal fold* or voice box* or cordal) adj3 (cancer* or neoplasm* or carcinoma* or tumor?* or adenocarcinoma* or oncolog* or malignant* or lymphoma* or melanoma* or squamous or teratoma* or keratin?* or non-keratin?* or non keratin?* or differentiat* or undifferentiat* or basaloid* or neuroendocrin* or adenoid cystic or plasmacytoma* or esthesioneuroblastoma*).tw.
23. exp Paranasal Sinus Neoplasms/
24. ((nasal* or nose* or paranasal* or nasosinus* or sinonasal* or ((nasal* or frontal or ethmoidal or spheroid or maxillary) adj sinus*)) adj3 (cancer* or neoplasm* or carcinoma* or tumor?* or adenocarcinoma* or oncolog* or malignant* or lymphoma* or melanoma* or squamous or teratoma* or keratin?* or non-keratin?* or non keratin?* or differentiat* or undifferentiat* or basaloid* or neuroendocrin* or adenoid cystic or plasmacytoma* or esthesioneuroblastoma*).tw.
25. or/1-24
26. exp Nutritional Support/
27. ((nutrition* or diet*) adj2 (support* or therap* or manage* or intervent*)).tw.
28. ((enter* or tube or parenteral or intravenous*) adj2 (nutrition* or feed* or nutrient* or nourish*)).tw.
29. exp Feeding Methods/
30. or/26-29
31. 25 and 30
32. nutrition*.ti.
33. 32 and 25
34. 31 or 33
35. 25 and 34

2. Health Economics Literature search details
This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on upper airways cancers.

3. Any further comments
Basic exclusions filter only and date limit of 1999 onwards applied by GDG due to earliest evidence on this topic. Any possibly relevant material selected.

4. Update Search
For the update search, the same search criteria/filters were applied as initial search with a date limit of 2014 onwards.

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Medline search strategy (This search strategy is adapted to each database.)

1. exp "Head and Neck Neoplasms"
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3. exp mouth neoplasms/
4. exp lip neoplasms/
5. exp gingival neoplasms/
6. exp palatal neoplasms/
7. exp tongue neoplasms/
8. exp tonsillar neoplasms/
9. exp maxillary neoplasms/
10. "mouth or oral or intra-oral or oral mucos* or lip* or tongue or cheek* or gingiva* or gum* or palat* or buccal or buccal mucosa* or maxilla* or tonsil") adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
11. exp oropharyngeal neoplasms/
12. ("oropharyn* or retromolar trigone") adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
13. exp pharyngeal neoplasms/
14. exp tracheal neoplasms/
15. ("pharyn* or throat or trachea* or parotrachea* or windpipe") adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
16. exp nasopharyngeal neoplasms/
17. ("nasopharyn* adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
18. exp hypopharyngeal neoplasms/
19. ("hypopharyn* or laryngopharyn") adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
20. exp laryngeal neoplasms/
21. ("laryng* or glotti* or epiglotti* or subglotti* or supraglotti* or vocal cord* or vocal fold* or voice box* or cordal) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
22. exp paranasal sinus neoplasms/
23. ("paranasal* or nasai* or nasosinus* or sinonasal* or ((nasal* or frontal or ethmoidal or spheroid or maxilla*) adj sinus") adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or
melanoma or squamous or teratoma or lymphoma or plasmacytoma* or neuroendocrine or neuroblastoma* or esthesioneuroblastoma*).tw.
24. or/1-23
25. exp Language Therapy/ or exp Speech Therapy/
26. ((speech or speak* or language or voice or vocal*) adj3 (therap* or rehabilitat* or exercise* or intervention* or support*)).tw.
27. exp "rehabilitation of speech and language disorders"/
28. Voice Training/
29. Voice Disorders/rh
30. Voice/rh
31. exp Fluoroscopy/
32. videofluoroscopy*.tw.
33. fluoroscopy*.tw.
34. barium swallow.tw.
35. functional endoscopic evaluation of swallow*.tw.
36. (((swallow* or motion* or dysphag* or deglutit*) adj3 (exercise* or therap* or rehabilitat* or technique* or strateg*)).tw.
37. pharyngocis*.tw.
38. (lingual exercis* or effortful swallow* or supraglottic swallow or supra glottic swallow* or supra glottic swallow*).tw.
39. exp Deglutition Disorders/rh, th
40. Trismus/rh, th
41. or/25-40
42. 24 and 41
43. limit 42 to yr="2000 -Current"
44. limit 43 to english language
45. letter.pt.
46. Letter/
47. editorial.pt.
48. historical article.pt.
49. Case Report/
50. case reports.pt.
51. Case Study/
52. exp animal/ not human/
53. exp animal experiment/
54. exp animal model/
55. exp rodent/
56. exp rodentia/
57. Animals, Laboratory/
58. or/45-57
59. 44 not 58

2. Health Economics Literature search details
This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on upper airways cancers

3. NOTES
The search was conducted from 2000 onwards. According to the GDG, this is the date of publication for the earliest evidence on this topic. At the advice of the GDG, studies were also limited to the English language. Medline records were excluded in the search of CINAHL

4. Update Searches
For the update searches, the same search criteria/filters were applied as initial search with a date limit of November 2014 onwards.

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1 additional reference identified 24/11/14

**Medline search strategy** *(This search strategy is adapted to each database.)*

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2. (("head and neck" adj3 (cancer* or tumo?r* or neoplas* or malignant* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)) or ("upper aerodigestive" or "upper airway"* or "upper respiratory" or UAT or UADT) adj3 (cancer* or tumo?r* or neoplas* or malignant* or carcinoma* or metastas* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
3. exp mouth neoplasms/
4. exp lip neoplasms/
5. exp gingival neoplasms/
6. exp palatal neoplasms/
7. exp tongue neoplasms/
8. exp tonsillar neoplasms/
9. exp maxillary neoplasms/
10. ((mouth or oral or intra-oral or intraoral or oral mucos* or lip* or tongue or cheek* or gingiva* or gum* or palat* or buccal or buccal mucosa* or maxilla* or tonsil*)) adj3 (cancer* or tumo?r* or neoplas* or malignant* or carcinoma* or metastas* or
adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
11. exp oropharyngeal neoplasms/
12. ((oropharyn* or retromolar trigone) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
13. exp pharyngeal neoplasms/
14. exp tracheal neoplasms/
15. (pharyn* or throat or trachea* or paratrachea* or windpipe*) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
16. exp nasopharyngeal neoplasms/
17. ((nasopharyn* adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
18. exp hypopharyngeal neoplasms/
19. ((hypopharyn* or laryngopharyn*) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
20. exp laryngeal neoplasms/
21. ((laryng* or glotti* or epiglotti* or subglotti* or supraglotti* or vocal cord* or vocal fold* or voice box* or cordal) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
22. exp paranasal sinus neoplasms/
23. ((paranasal* or nasal* or nasosinus* or sinonasal* or (nasal* or frontal or ethmoidal or spheroid or maxilla*) adj sinus*)) adj3 (cancer* or tumo?r* or neoplas* or malignan* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma or plasmacytoma* or neuroendocrine or neuroblastoma* or esthesioneuroblastoma*)).tw.
24. or/1-23
25. exp neck dissection/
26. ((neck and dissect*) or hnscc).tw.
27. neck surger*.tw.
28. or/25-27
29. 24 and 28
30. exp Shoulder/
31. shoulder pain/
32. (shoulder* or scapul* or trapezius or glenohumeral or (adhesive and capsulitis) or (accessory and nerve*) or ((11th or eleventh) and nerve*)).tw.
33. (morbidit* or disabilit* or function* or dysfunction* or pain* or syndrome or droop* or lesion*or impair*or injur*).tw.
34. 32 and 33
35. (neuropraxi* or axonotmes*).tw.
36. 30 or 31 or 34 or 35
37. 29 and 36
38. neck dissection/rh [Rehabilitation]
39. exp Rehabilitation/
40. exp Physical Therapy Modalities/
41. exp Manipulative Medicine/
42. exp exercise/
43. ((physical and therap*) or physio* or exercise* or movement* or aerobic* or pilates or stretch* or tai or yoga or (resistance and training) or rehab*).tw.
44. (nerve and (repair* or explor*)).tw.
45. or/38-44
46. 37 and 45
47. limit 46 to yr="1994 -Current"

2. NOTES
The search was conducted from 1994 onwards. According to the GDG, this is the date of publication for the earliest evidence on this topic.
Medline records were excluded in the search of CINAHL.

3. Health Economics Literature search details
This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on upper airways cancers
4. Update Searches
For the update search, the same search criteria/filters were applied as initial search with a date limit of November 2014 onwards.

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Chapter 8: Follow-up and management of ORN

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**Question title:** In people who are clinically disease free and who have undergone treatment for squamous cell cancer of the upper aerodigestive tract with curative intent, what is the optimal method(s), frequency, and duration of follow-up?

**Question no:** Topic M

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**Total References retrieved (after de-duplication): 416**

**Medline search strategy** *(This search strategy is adapted to each database.)*

1. "head and neck neoplasms"/ or facial neoplasms/ or mouth neoplasms/ or otorhinolaryngologic neoplasms/
2. ("upper respiratory tract" or "upper airway" tract" or "upper aerodigestive tract" or "head and neck" or UAT or UADT or head or neck) adj3 (cancer* or neoplasm* or carcinoma* or tumo?r* or adenocarcinoma* or oncolg* or malignan* or lymphoma* or melanoma* or squamous or teratoma* or keratini?* or non-keratini?* or non keratini?* or differentiat* or undifferentiat* or basaloid* or neuroendocrin* or adenoid cystic or plasmacytoma* or esthesioneuroblastoma*).tw.
3. exp Mouth Neoplasms/
4. ((oral or intra-oral or intraoral or mouth or lip* or tongue or cheek* or cheek lin* or gingiv* or gum* or palat* or "roof of mouth" or odontogenic or teeth or tooth or buccal or buccal mucosa or face or facial or maxilla*) adj3 (cancer* or neoplasm* or carcinoma* or tumo?r* or adenocarcinoma* or oncolg* or malignan* or lymphoma* or melanoma* or squamous or teratoma* or keratini?* or non-keratini?* or non keratini?* or differentiat* or undifferentiat* or basaloid* or neuroendocrin* or adenoid cystic or plasmacytoma* or esthesioneuroblastoma*).tw.
5. exp Lip Neoplasms/
6. exp Gingival Neoplasms/
7. exp Palatal Neoplasms/
8. exp Tongue Neoplasms/
9. exp Tonsillar Neoplasms/
10. exp Mandibular Neoplasms/
11. exp Maxillary Neoplasms/
12. exp Odontogenic Tumors/
13. exp Oropharyngeal Neoplasms/
14. (oropharyn* or tonsil* or retromolar*) adj3 (cancer* or neoplasm* or carcinoma* or tumo?r* or adenocarcinoma* or oncolg* or malignan* or lymphoma* or melanoma* or squamous or teratoma* or keratini?* or non-keratini?* or non keratini?* or differentiat* or undifferentiat* or basaloid* or neuroendocrin* or adenoid cystic or plasmacytoma* or esthesioneuroblastoma*).tw.
15. exp Pharyngeal Neoplasms/
16. ((pharyn* or throat) adj3 (cancer* or neoplasm* or carcinoma* or tumo?r* or adenocarcinoma* or oncolg* or malignan* or lymphoma* or melanoma* or squamous or teratoma* or keratini?* or non-keratini?* or non keratini?* or differentiat* or undifferentiat* or basaloid* or neuroendocrin* or adenoid cystic or plasmacytoma* or esthesioneuroblastoma*).tw.
17. exp Nasopharyngeal Neoplasms/
18. (nasopharyn* adj3 (cancer* or neoplasm* or carcinoma* or tumo?r* or adenocarcinoma* or oncolg* or malignan* or lymphoma* or melanoma* or squamous or teratoma* or keratini?* or non-keratini?* or non keratini?* or differentiat* or undifferentiat* or basaloid* or neuroendocrin* or adenoid cystic or plasmacytoma* or esthesioneuroblastoma*).tw.
19. exp Hypopharyngeal Neoplasms/
20. ((hypopharyn* or laryngopharyn*) adj3 (cancer* or neoplasm* or carcinoma* or tumo?r* or adenocarcinoma* or oncolog* or malignan* or lymphoma* or melanoma* or squamous or teratoma* or keratin?* or non-keratin?* or non keratin?* or differentiat* or undifferentiat* or basaloid* or neuroendocrin* or adenoid cystic or plasmacytoma* or esthesioneuroblastoma*)).tw.
21. exp Laryngeal Neoplasms/
22. ((laryn* or glotti* or epiglotti* or subglotti* or supraglotti* or vocal cord* or vocal fold* or voice box* or cordal) adj3 (cancer* or neoplasm* or carcinoma* or tumo?r* or adenocarcinoma* or oncolog* or malignan* or lymphoma* or melanoma* or squamous or teratoma* or keratin?* or non-keratin?* or non keratin?* or differentiat* or undifferentiat* or basaloid* or neuroendocrin* or adenoid cystic or plasmacytoma* or esthesioneuroblastoma*)).tw.
23. exp Paranasal Sinus Neoplasms/
24. ((nasal* or nose* or paranasal* or nasosinus* or sinonasal* or ((nasal* or frontal or ethmoidal or spheroid or maxillary) adj sinus*)) adj3 (cancer* or neoplasm* or carcinoma* or tumo?r* or adenocarcinoma* or oncolog* or malignan* or lymphoma* or melanoma* or squamous or teratoma* or keratin?* or non-keratin?* or non keratin?* or differentiat* or undifferentiat* or basaloid* or neuroendocrin* or adenoid cystic or plasmacytoma* or esthesioneuroblastoma*)).tw.
25. or/1-24
26. exp Aftercare/
27. ((follow up or followup or follow-up or surveillance or after-care or after care or aftercare) .ti.
28. ((post treatment or post-treatment or posttreatment) adj2 (evaluat* or monitor* or care* or follow up or followup or follow-up or surveillance or after care or after-care or aftercare)).tw.
29. or/26-28
30. 25 and 29

2. Health Economics Literature search details
This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on upper airways cancer.

3. Any further comments
Basic exclusions filter only and no date limits applied. Any possibly relevant material selected.

4. Update Search
For the update search, the same search criteria/filters were applied as initial search with a date limit of 2014 onwards.

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Total References retrieved (after de-duplication): 55
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Total References retrieved (after de-duplication): 1090

**Medline search strategy** *(This search strategy is adapted to each database.)*

1. exp "Head and Neck Neoplasms"/
2. ("head and neck" or "upper aero-digestive" or "upper aerodigestive" or "upper airway" or "upper respiratory") adj3 (cancer* or tumo*r* or neoplas* or malignant* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma).tw.
3. exp Mouth Neoplasms/
4. exp Lip Neoplasms/
5. exp Gingival Neoplasms/
6. exp Palatal Neoplasms/
7. exp Tongue Neoplasms/
8. exp Tonsillar Neoplasms/
9. exp Maxillary Neoplasms/
10. ((mouth or oral or intra-oral or intraoral or oral mucos* or lip* or tongue or cheek* or gingiva* or gum* or palat* or buccal or buccal mucosa* or maxilla* or tonsil*) adj3 (cancer* or tumo*r* or neoplas* or malignant* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
11. exp Oropharyngeal Neoplasms/
12. ((oropharyn* or retromolar trigone) adj3 (cancer* or tumo*r* or neoplas* or malignant* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
13. exp Pharyngeal Neoplasms/
14. exp Tracheal Neoplasms/
15. ((pharyn* or throat or trachea* or paratrachea* or windpipe*) adj3 (cancer* or tumo*r* or neoplas* or malignant* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
16. exp Nasopharyngeal Neoplasms/
17. (nasopharyn* adj3 (cancer* or tumo*r* or neoplas* or malignant* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
18. exp Hypopharyngeal Neoplasms/
19. ((hypopharyn* or laryngopharyn*) adj3 (cancer* or tumo*r* or neoplas* or malignant* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
20. exp Laryngeal Neoplasms/
21. ((laryng* or glotti* or epiglotti* or subglotti* or supraglotti* or vocal cord* or vocal fold* or voice box* or cordal) adj3 (cancer* or tumo*r* or neoplas* or malignant* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma)).tw.
22. exp Paranasal Sinus Neoplasms/
23. ((paranasal* or nasal* or nasosinus* or sinonasal* or (nasal* or frontal or ethmoidal or spheroid or maxilla*) adj sinus*) adj3 (cancer* or tumo*r* or neoplas* or malignant* or carcinoma* or metasta* or adenocarcinoma* or oncolog* or melanoma or squamous or teratoma or lymphoma or plasmacytoma* or neuroendocrine or neuroblastoma* or esthesioneuroblastoma*)).tw.
24. or/1-23
25. exp Osteoradionecrosis/
26. osteoradionecrosis *.tw.
27. ((postradiation or postradiotherap* or radiation or radiotherap*) adj2 osteonecros*).tw.
28. radionecros*.tw.
29. Osteonecrosis/
30. osteonecros*.tw.
2. **Health Economics Literature search details**
This topic was not selected for health economic modelling. The health economics search undertaken across the population identified any general health economics papers on upper airways cancers.

3. **Any further comments**
Basic exclusions filter only and no date limits applied. Any possibly relevant material selected.

4. **Update Search**
For the update search, the same search criteria/filters were applied as initial search with a date limit of 2014 onwards.

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Total References retrieved (after de-duplication): 51