



ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Otorhinolaryngology

ESPS manuscript NO: 22308

Title: Positron-emission tomography/computed tomography imaging in head and neck oncology: An update

Reviewer's code: 00503711

Reviewer's country: India

Science editor: Jin-Xin Kong

Date sent for review: 2015-08-27 16:09

Date reviewed: 2015-08-27 19:06

Table with 4 columns: CLASSIFICATION, LANGUAGE EVALUATION, SCIENTIFIC MISCONDUCT, CONCLUSION. It contains checkboxes for various review criteria like 'Grade A: Excellent', 'Priority publishing', 'Google Search', etc.

COMMENTS TO AUTHORS

Good review presenting up-to-date and concise information on the utility of PET in HNSCC. There are a few clarifications that I have sought- Title would be better with head and neck oncology rather than oncologic surgery Introduction - Advances in PET/CT imaging have allowed it to emerge as a superior imaging modality compared to both CT and MRI - "in select situations,such as" - would be better Intro- para 3 - line 4 - "regional" -not local More info on comparison of PET with CT/MRI on regional staging would be useful i.e., data on ability to identify extracapsular spread, assess resectability based on relationship to carotid, prevertebral muscle. What is the role of PET in cases that have undergone thorough physical exam and CT/MRI and staged clinically as early stage (T1-2 N0) disease ? Is there any data on PET upstaging these tumors? Figure 4 - mentioned right instead of left node Is there any data to support routine use of PET 6 months after curative treatment in order to detect occult recurrent/metastatic disease ?



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## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Otorhinolaryngology

**ESPS manuscript NO:** 22308

**Title:** Positron-emission tomography/computed tomography imaging in head and neck oncology: An update

**Reviewer's code:** 00503898

**Reviewer's country:** Israel

**Science editor:** Jin-Xin Kong

**Date sent for review:** 2015-08-27 16:09

**Date reviewed:** 2015-08-30 03:29

| CLASSIFICATION                              | LANGUAGE EVALUATION  | SCIENTIFIC MISCONDUCT                          | CONCLUSION   |
|---|--|--|--|
| <input type="checkbox"/> Grade A: Excellent | <input type="checkbox"/> Grade A: Priority publishing                | Google Search:                                 | <input type="checkbox"/> [ Y] Accept                       |
| <input type="checkbox"/> Grade B: Very good | <input type="checkbox"/> [ Y] Grade B: Minor language polishing      | <input type="checkbox"/> The same title        | <input type="checkbox"/> [ ] High priority for publication |
| <input type="checkbox"/> [ Y] Grade C: Good | <input type="checkbox"/> Grade C: A great deal of language polishing | <input type="checkbox"/> Duplicate publication | <input type="checkbox"/> [ ] Rejection                     |
| <input type="checkbox"/> Grade D: Fair      | <input type="checkbox"/> Grade D: Rejected                           | <input type="checkbox"/> Plagiarism            | <input type="checkbox"/> [ ] Minor revision                |
| <input type="checkbox"/> Grade E: Poor      |  | <input type="checkbox"/> [ Y] No               | <input type="checkbox"/> [ ] Major revision                |
|   |  | BPG Search:                                    |  |
|   |  | <input type="checkbox"/> The same title        |  |
|   |  | <input type="checkbox"/> Duplicate publication |  |
|   |  | <input type="checkbox"/> Plagiarism            |  |
|   |  | <input type="checkbox"/> [ Y] No               |  |

### COMMENTS TO AUTHORS

Comments to Authors - manuscript: 22308 Title: "PET/CT Imaging in Head and Neck Oncologic Surgery: An Update". The authors have provided an excellent and detailed manuscript on the role of PET-CT in head and neck cancer. However, after careful consideration of the manuscript, I think that there is a weak point: 1. Title: I suggest the authors to modify the title to PET/CT Imaging in Head and Neck Cancer Patients: An Update".

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**Name of journal:** World Journal of Otorhinolaryngology

**ESPS manuscript NO:** 22308

**Title:** Positron-emission tomography/computed tomography imaging in head and neck oncology: An update

**Reviewer's code:** 00667415

**Reviewer's country:** South Korea

**Science editor:** Jin-Xin Kong

**Date sent for review:** 2015-08-27 16:09

**Date reviewed:** 2015-08-30 13:18

| CLASSIFICATION   | LANGUAGE EVALUATION  | SCIENTIFIC MISCONDUCT                          | CONCLUSION  |
|--|--|--|---|
| <input type="checkbox"/> Grade A: Excellent            | <input checked="" type="checkbox"/> Grade A: Priority publishing     | Google Search:                                 | <input type="checkbox"/> Accept                                   |
| <input checked="" type="checkbox"/> Grade B: Very good | <input type="checkbox"/> Grade B: Minor language polishing           | <input type="checkbox"/> The same title        | <input checked="" type="checkbox"/> High priority for publication |
| <input type="checkbox"/> Grade C: Good                 | <input type="checkbox"/> Grade C: A great deal of language polishing | <input type="checkbox"/> Duplicate publication | <input type="checkbox"/> Rejection                                |
| <input type="checkbox"/> Grade D: Fair                 | <input type="checkbox"/> Grade D: Rejected                           | <input checked="" type="checkbox"/> No         | <input type="checkbox"/> Minor revision                           |
| <input checked="" type="checkbox"/> Grade E: Poor      |  | BPG Search:                                    | <input type="checkbox"/> Major revision                           |
|  |  | <input type="checkbox"/> The same title        |   |
|  |  | <input type="checkbox"/> Duplicate publication |   |
|  |  | <input type="checkbox"/> Plagiarism            |   |
|  |  | <input checked="" type="checkbox"/> No         |   |

### COMMENTS TO AUTHORS

RE: PET/CT imaging in Head and Neck Oncologic Surgery: An Update The authors summarized the current practice and application of PET/CT in the management of head and neck cancer, highlighting the strength and weakness of PET/CT. I think this review is helpful for readers, particularly clinicians responsible for managing head and neck cancer patients. I made a few suggestions to improve it. 1) Title: I don't understand the reason why the authors used the term 'surgery', cause the paper dealt with all fields of head and neck cancer management through PET/CT application. I recommend the correction of title, PET/CT imaging in Head and Neck Oncology, instead of Oncologic Surgery. 2) Pre-treatment evaluation 2nd paragraph, 9th line. with precise tumor volumetric measurements should be changed to with precise metabolic tumor volumetric measurements. 3) Pre-treatment evaluation 3rd paragraph, 3rd sentence. Additional limitations unique to PET/CT include imaging artifacts, lower osseous and soft tissue contrast/resolution as compared to CT and MRI, respectively. Add more explanations and insert relevant references cited. 4) Long-term surveillance and recurrent tumor identification 1st paragraph, 3rd sentence. Close



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interval follow-up in the first tow --, while the risk of SPM is higher than recurrence beyond three years. Insert references cited. 5) Prognosis After MTV paragraph, add some explanations about the concept of total lesion glycolysis and PET heterogeneity, which has been tried in the metabolic measurements of cancer tissues.



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**Name of journal:** World Journal of Otorhinolaryngology

**ESPS manuscript NO:** 22308

**Title:** Positron-emission tomography/computed tomography imaging in head and neck oncology: An update

**Reviewer's code:** 02517857

**Reviewer's country:** Japan

**Science editor:** Jin-Xin Kong

**Date sent for review:** 2015-08-27 16:09

**Date reviewed:** 2015-09-08 16:18

| CLASSIFICATION                              | LANGUAGE EVALUATION  | SCIENTIFIC MISCONDUCT                          | CONCLUSION   |
|---|--|--|--|
| <input type="checkbox"/> Grade A: Excellent | <input type="checkbox"/> Grade A: Priority publishing                | Google Search:                                 | <input type="checkbox"/> Accept                        |
| <input type="checkbox"/> Grade B: Very good | <input type="checkbox"/> Grade B: Minor language polishing           | <input type="checkbox"/> The same title        | <input type="checkbox"/> High priority for publication |
| <input type="checkbox"/> Grade C: Good      | <input type="checkbox"/> Grade C: A great deal of language polishing | <input type="checkbox"/> Duplicate publication | <input type="checkbox"/> Rejection                     |
| <input type="checkbox"/> Grade D: Fair      | <input type="checkbox"/> Grade D: Rejected                           | <input type="checkbox"/> Plagiarism            | <input type="checkbox"/> Minor revision                |
| <input type="checkbox"/> Grade E: Poor      |  | <input type="checkbox"/> No                    | <input type="checkbox"/> Major revision                |
|   |  | BPG Search:                                    |  |
|   |  | <input type="checkbox"/> The same title        |  |
|   |  | <input type="checkbox"/> Duplicate publication |  |
|   |  | <input type="checkbox"/> Plagiarism            |  |
|   |  | <input type="checkbox"/> No                    |  |

### COMMENTS TO AUTHORS

This manuscript is a well written review article concerning PET/CT on head and neck cancer (most of the part is written for HNSCC). However, I am wondering that how do the radiologists determine the abnormal view from PET/CT as malignant-tumor related lesion? They might have their own criteria for diagnosis, probably by the structural abnormality from CT and SUV from PET. Especially in the pre-treatment evaluation part, I am very interested in a cut-off value of SUV to discriminate metastasized lymph nodes from non-metastasized lymph nodes. (Minor points) 1. PPV and NPV should be full-spelled. 2. Followup should be "follow up".