Clinical summary

- Male 71 year-old with squamous cell carcinoma of the oropharynx treated with concurrent chemoradiation.

- Presents for therapeutic response assessment.
PET/CT findings

Baseline

Post-treatment

Complete metabolic response to treatment

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Clinical summary

- Male 77 year-old with squamous cell carcinoma of the right vocal cord treated with chemoradiotherapy.

- Presents for therapeutic response assessment.
Complete metabolic response to treatment
Symmetrical physiologic activity in the vocal cords on post-treatment scan
Clinical summary

- Male 50 year-old who underwent radiation therapy for carcinoma of the base tongue extending along the lateral border.

- CT image shows distortion of normal anatomy in the region of the oral & base tongue.

- For assessment of residual disease 3 months post-treatment.
PET/CT findings

PET/CT shows uptake in the left lateral border of the tongue consistent with residual disease
Teaching points

• FDG PET/CT is appropriate in response evaluation if performed 8-10 weeks after treatment.

• PET is accurate in detecting residual disease after chemotherapy alone or combined with radiotherapy.

• If performed earlier, false positive results secondary to inflammatory changes are possible.


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