

## Tilmelding af Foredrag

### Foredragets titel

The value of FDG-PET/CT in surveillance of head and neck cancer patients after curative intended treatment

### Forfatter(e)

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### Afdeling/praksis

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### Uddannelsesniveau

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### Introduktion

The objective was to evaluate the diagnostic value of [18F]fluorodeoxyglucose (FDG) positron emission tomography combined with computed tomography (PET/CT) for head and neck cancer (HNC) patients in post-treatment surveillance.

### Materiale/metode

The retrospective study cohort included patients treated curative-intended for HNC referred to FDG-PET/CT due to suspected N-site recurrence. The FDG-PET/CT results were compared with the pathological results. We evaluated if patients suspected for N-site recurrence avoided salvage surgery due to the result of the FDG-PET/CT and remained free of recurrent disease. Sensitivity, specificity, PPV, and NPV was calculated for FDG-PET/CT.

### Resultater

172 patients were included. Suspected N-site malignancy was identified in 102 (59,3%) scans. In contrast, 69 (40,1%) scans exhibited no indications of N-site malignancy. In 51 cases where N-site malignancy was suspected the histological results confirmed the suspicion, in 8 cases histology revealed benign findings despite initial suspicions of N-site malignancy, in 4 cases where scans did not raise concerns about N-site malignancy histological examinations detected malignancy. The sensitivity for FDG-PET/CT was 0.92, specificity 0.56, PPV 0.86, and NPV 0.71.

### Diskussion

In terms of diagnostic references 54 (31%) patients lacked pathological results. Within this subgroup 37 patients had undergone FDG-PET/CT scan that yielded no suspicious findings. One patient had undergone follow-up FDG-PET/CT scan within 3 months revealing no N-site relapse. Though 36 patients did not have pathological nor imaging follow-up within 3 months and did not die. Regarding these cases salvage surgery was spared due to the FDG-PET/CT result with no recurrent disease in follow-up.

### Unavngivet

- Ønsker kun præsentation af poster

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