

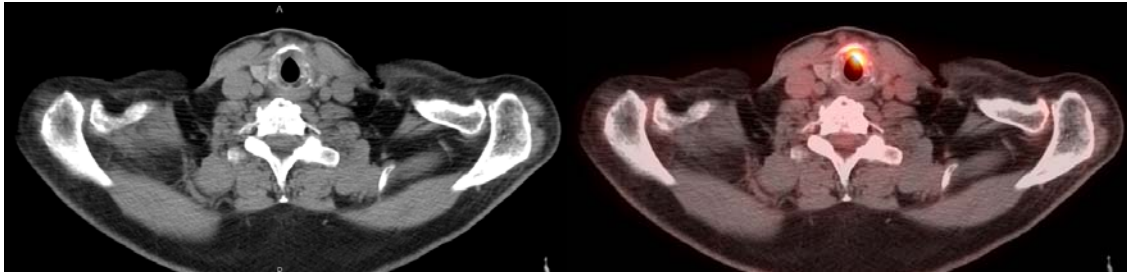
# PETIMAGING

## INTEGRATED PET/CT SCANNING CASE STUDY N<sup>o</sup> 100

### Recurrent Glottic Squamous Cell Carcinoma

An 82 year old male is diagnosed with laryngeal cancer recurrence at which time he undergoes endoscopic CO<sub>2</sub> laser resection of the glottic tumor. Pathology confirms invasive moderately differentiated squamous cell carcinoma with necrosis extending to the tissue edges.

One month later, clinical examination reveals no signs or symptoms of locally or regionally recurrent disease. PET/CT ordered four and a half months post surgery demonstrates soft tissue thickening of the left false vocal cord measuring approximately 3.5 cm with intense FDG uptake. No regional lymph nodes are identified.



In addition to local disease recurrence, PET/CT identifies enlargement of the prostate gland with focal intense FDG uptake in the right lateral aspect (SUV 26.22), and an intensely hypermetabolic focus is also identified in the anorectal region (SUV 12.68), both of which are highly suspicious for malignancy.

