PHOTO QUIZ

An old male with multiple hotspots on ^{18}F-FDG PET-CT

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CASE REPORT

A 61-year-old man was referred to our hospital with a four-month history of dysphagia. These complaints were caused by a distal squamous cell carcinoma of the oesophagus. For staging of the oesophageal carcinoma the patient underwent ^{18}F-fluorodeoxyglucose (^{18}F-FDG) positron emission tomography (PET) computed tomography (CT), performed one hour after administration of 192 Mbq ^{18}F-FDG with a blood glucose level just prior to administration of 3.9 mmol/l. The ^{18}F-FDG PET-CT revealed increased ^{18}F-FDG uptake in the primary oesophageal carcinoma without evidence of (loco-regional) lymph node or distant metastases. The PET-CT also showed increased ^{18}F-FDG uptake at several other areas (*figure 1*).

WHAT IS YOUR DIAGNOSIS?

See page 44 for the answer to this photo quiz.

Figure 1. *18F-FDG PET-CT of a 61-year old male with multiple hotspots. Left: coronal image of 18F-FDG PET-CT. Right: three transverse images of 18F-FDG PET-CT (from the top down: 18F-FDG PET, combined 18F-FDG PET-CT and CT). Arrows indicate some of the hotspots which are located cranially of the trapezius muscle and at multiple paravertebral locations*