Images in Hepatology

Fused PET/CT Images in Hepatocarcinoma

Ivan F. Vega-González; 1 Ernesto Roldán-Valadez; 1 Guillermo Valdiviezo-Cárdenas1

1 Unidad PET/CT. Fundación Clínica Médica Sur

Address for correspondence:
Ivan F. Vega-González
Unidad PET/CT. Puente de Piedra 150 Col. Toriello Guerra 14050 México, D.F. México.

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Figure 1.
75-years old hispanic female with history of liver cirrhosis. It has been reported that the $^{18}$F-FDG PET scan of the liver can depict false negative results particularly with history of liver cirrhosis (1, 2). In this case $^{18}$F-FDG PET/CT depicted a large tumoral mass in segment VI (15.6 x 12.4 cm), there is enlargement of the liver with medial displacement of the gall-bladder. Our first differential diagnosis was hepatocarcinoma, pathologic analysis of liver biopsy confirmed the diagnosis.

Figures A-C, sagittal, coronal and axial planes PET/CT fused images show a big lesion in segment VI of the liver with increased uptake of $^{18}$F-FDG, the maximun SUV was 14.5. The lesion presented two central zones of no uptake related with central necrosis. Figures D-F, oblique volumetric-3D fused PET/CT images depicting different aspects of the lesion.

References
