Positron Emission Tomography (PET) and Combined Positron Emission Tomography-Computed Tomography (PET-CT) for detection of recurrent ovarian cancer

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Authors' conclusions
Positron emission tomography (PET) is a three-dimensional (3D) imaging technique that evaluates the level of physiological and biochemical activity within tissue cells by measuring the distribution of an injected or inhaled radiotracer. Due to differences in metabolic rates, the concentration of radiotracers within cancerous cells differs from the concentration in the surrounding normal tissue cells. Positron emission tomography-computed tomography (PET-CT) combines PET technology with computed tomography (CT). CT differentiates tissue by measuring variation in attenuation of x-rays after they pass through the body. PET and PET-CT have been proposed as tools for diagnosing and staging patients suspected of having recurrent ovarian cancer.

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