



*This study measures blood flow and metabolism with oxygen-15 labeled water and carbon-11-labeled acetate in a heart attack patient treated with tissue plasminogen activator (TPA), a drug that dissolves blood clots. Flow and metabolism increase in the affected area with time, although the recovery of metabolism is slower than that of flow. (Mallinckrodt Institute of Radiology at Washington University)*

*In the past, successfully imaging estrogen receptors in primary and metastatic breast tumors was only possible in excised tissue. This PET scan shows a transverse slice taken at the level of the diaphragm of a 62-year-old female with breast cancer. The red-centered pattern (top) is the primary cancer. The white-centered pattern is the liver, where the fluorine-18 estrogen analogue collects before being cleared from the body. The small green spot is a metastatic tumor in a lymph node. (Mallinckrodt Institute of Radiology at Washington University)*

