

## Positron Emission Tomography in Cervical Cancer

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The overall goal of this project is improved radiotherapy treatment of patients with cervical cancer with use of positron emission tomography (PET). PET with F-18 fluorodeoxyglucose (FDG) will be used to provide three-dimensional definition of the primary tumor volume and regional spread of disease to more accurately administer brachytherapy. PET-based prognostic indicators will be developed.