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Observational Study

Multimodality imaging using proton magnetic resonance spectroscopy imaging (^{1}H-MRSI) and ^{18}F-FDG-positron emission tomography (^{18}F-FDG-PET) in local prostate cancer

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Abstract

AIM: To assess the relationship using multimodality imaging between intermediary citrate/choline metabolism as seen on ^{1}H-MRSI and glycolysis as observed on ^{18}F-FDG-PET/CT in prostate cancer patients.

METHODS: The study included 22 patients with local prostate cancer who were referred for endorectal MRI/^{1}H-MRSI (April 2002 to July 2007) and ^{18}F-FDG-PET/CT and then underwent prostatectomy as primary or salvage treatment. Whole-mount step-section pathology was used as the standard of reference. We assessed the

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