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When and Why a Patient with Prostate Cancer Needs a PET/CT Scan?

A.-L. Grosu (Freiburg)

The goal of the presentation is to discuss the impact of PET/CT in treatment planning and monitoring in patients with prostate cancer. The presentation will be focused on choline, and acetate PET. Following topics will be considered:

1. Role of PET/CT in the development of treatment strategy in primary, local recurrent and metastatic prostate cancer
2. Role of PET/CT in target volume delineation for radiation therapy
3. Impact of PET/CT image fusion on the delivery of high precision radiation therapy
4. Role of PET/CT in the evaluation of tumor response after irradiation
5. Future directions, development of new treatment strategies based on PET/CT data