

How Can We Predict pT3a Kidney Cancer and What Does It Mean?

Commentary for the article "Radiological Correlates of pT3a Kidney Cancer: Importance of Irregular Tumor Sinus Border"

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mary tumor upfront can be helpful It is important to note, however, to note, as future applications of this to guide prognostic counseling and that not all pT3a RCC are created work would be presumably couched hold implications for both surgical equal. First, focal microscopic local in machine learning and radiomapproach and multimodal therapeu- invasion constituting pT3a acts dif- ic approaches to predicting pT3a tic strategies. Herein, the investi- ferent clinically compared to gross stage. gators undertook a comprehensive invasion constituting pT3a tumors. assessment of radiographic features Furthermore, the pT3a category is predictive of pT3a stage by query- quite broad and includes (1) renal erative systemic therapy in reducing ing 11 radiological findings across sinus fat invasion, (2) perirenal fat RFS among select, high-risk patients a robust retrospective cohort of painvasion, or (3) invasion of the renal tients with RCC. They found that an vein or segmental branches. The contemporary interest. The adjuirregular tumor-sinus border (ITSB) location and pattern of local invacorrelated most strongly with pT3a sion warrants additional attention stage and recurrence-free survival biologically to elucidate how similar inhibitor pembrolizumab based on (RFS).

gated in the present study, predictors for pathological upstaging of tion has been used by some to help the question of whether one modal- others.

ically advanced renal cell car- surveillance and for or against a interpreting radiographic paramecinoma (RCC) within the pri- nephron-sparing surgical approach. ters such as ITSB. This is important While not explicitly investition of the pT3a stage is needed.

The ability to predict patholog-dictate the role for or against active ity is more reliable than the other in

Finally, the role for periophas been a topic of considerable vant space has enjoyed recent FDA approval of the immune checkpoint these subcategories of pT3a truly are the results of the KEYNOTE-564 and whether further sub-stratifica- trial. However, the ability to more accurately predict aggressive, locally advanced disease upfront may lend The cohort investigated no- support to neoadjuvant strategies in small renal masses (cT1a) to pT3a at tably consisted of either CT or MRI select patients with RCC, and in this surgical resection have been inves- to determine radiographic cor- context we eagerly await the results tigated previously. This informa- relates of pT3a. This naturally begs of the PROSPER-RCC trial among

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