Key Advantages

Diagnostic tests currently rely on expensive and invasive biopsies and unreliable prostate specific antigen (PSA) tests. Our technique of predictive mapping of prostate cancer grade will allow clinicians to determine tumor stage quantitatively and noninvasively. Our algorithm relies on a single MRI scan that takes only ten minutes to acquire. We expect this technology to improve diagnostic accuracy of biopsies by providing viable targets, as well as improve radiation therapy guidance. We expect this to ultimately improve patient prognosis and reduce the number of unnecessary biopsy and surgical procedures.