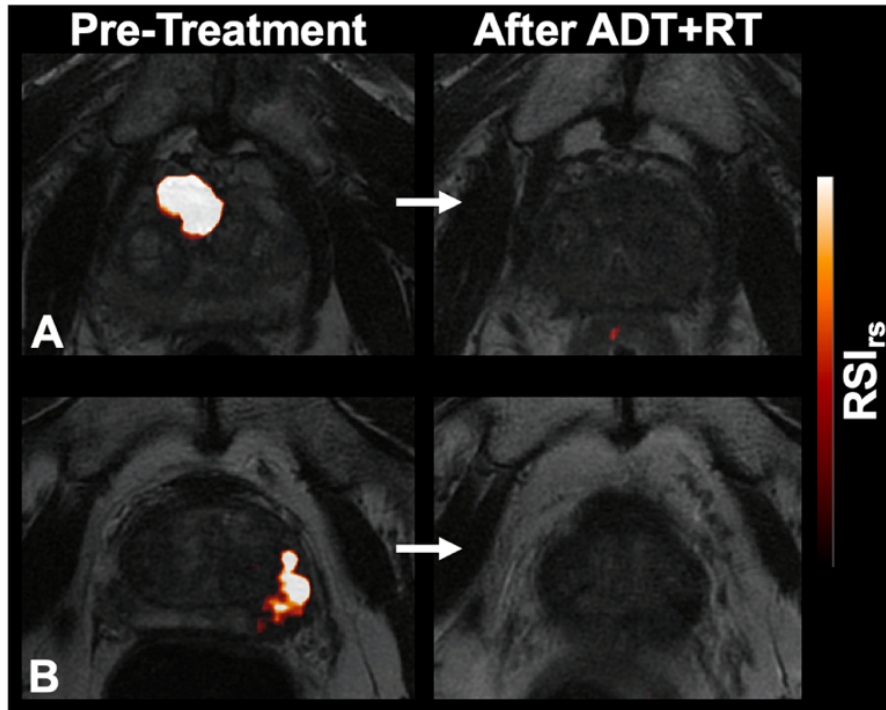


Measuring treatment response after prostate radiotherapy

“Is it working?” When patients with aggressive prostate cancer undergo radiation therapy and hormone therapy (androgen deprivation therapy, or ADT), they generally want to know how well it is working. The good news is this therapy is highly effective. On the other hand, assessing treatment response requires some patience. The standard of care is to obtain a blood test (PSA) several months after radiation therapy and then regularly for many years. Ideally, we would be able to measure whether the cancer is responding so that we could make decisions to escalate (or de-escalate) therapy early on, rather than only waiting years to see if the cancer recurs. Our ongoing clinical trial, PRO-RSI, is evaluating whether advanced MRI can be used for early treatment response assessment. Patients are scanned before treatment and at two early time points during treatment.



This is an ongoing clinical trial. Patients at UC San Diego are eligible to participate.