

Prostate Specific Membrane Antigen (PSMA) is an enzyme expressed by prostate cells, particularly in cancerous prostate cells. Gallium-68 PSMA imaging is used to image this in patients with known or suspected prostate cancer. This enzyme is also expressed by other cells in the body, in the kidney, small intestine, nervous system and neovasculature of some cancers. This presentation will discuss the PSMA enzyme, uptake and biodistribution in non-prostatic cells, and discuss a case study performed at QLD Xray's Saint Andrews PET/CT centre that showed PSMA avidity in Renal Cell Carcinoma.