

Patient:
Date of Birth:
Scan Date:
Scan Location: Nuada Medical 3T
Referrer:
Reported By:
Report Date:

MRI Report

Indication: ? prostatitis. symptoms improved with antibiotics.

Technique: T2, diffusion-weighted & dynamic contrast-enhanced images of the prostate.

Findings: The prostate volume is 39cc. Restricted diffusion is seen on both sides:

i) on the left, 1cc in the anterior transition zone from apex (abutting but not involving external sphincter, to just above mid gland). No visible extracapsular tumour, 4/5.

ii) 5cc on the right, involving the transition zone and posterolateral prostate at the base, and extending to the apex laterally, again abutting but not apparently involving the uppermost sphincter. 4/5, with a slight lateral bulge (the likelihood of microscopic breach of the capsule depends on the histology: likely if there is Gleason 4 tumour).

0.2cc of enhancement in the posterior L peripheral zone at the base is equivocal (3/5).

No evidence of seminal vesicle disease or pelvic lymphadenopathy.

Conclusion: Extensive change in the prostate which is positive on all sequences. We have scored 4/5 rather than 5/5 because prostatitis (in particular granulomatous) can produce a similar appearance and there are certain features (ill-defined margins, homogenous change crossing TZ and PZ) which would go with it. However, if this represents tumour then it is likely bulky and has a significant Gleason 4 component. The staging depends very much on the histology of any tumour, and the likelihood of disease also depends on the PSA. If you decide against biopsy now a follow up after around 6 months would be useful.

Please see page 2 of this report for diagrams & representative images.

Sincerely, Dr Alex Kirkham, Consultant Radiologist

Prostate Volume 39 CC

AP diameter: 3.9 cm

Transverse: 4.7 cm

Cranio-caudal: 4.1 cm

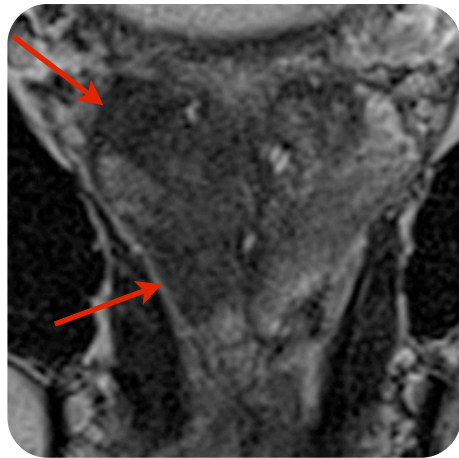
Scale 1= significant tumour very unlikely
 2= significant tumour unlikely
 3= equivocal
 4= significant tumour likely
 5= significant tumour very likely

**Significant tumour is defined as
>0.2cc or Gleason 3+4 or higher**

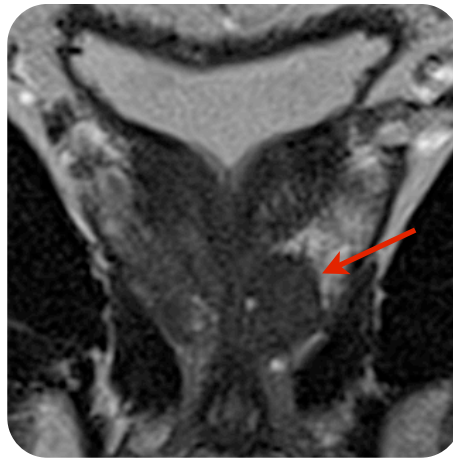
**Overall score
(for significant disease)**

	lat R	med R	TZ R	TZ L	med L	lat L
SV	2					2
base	4	3	4	2	3	3
mid	4	3	4	3	2	2
apex		4	4	4	2	
sphincter			2	2		

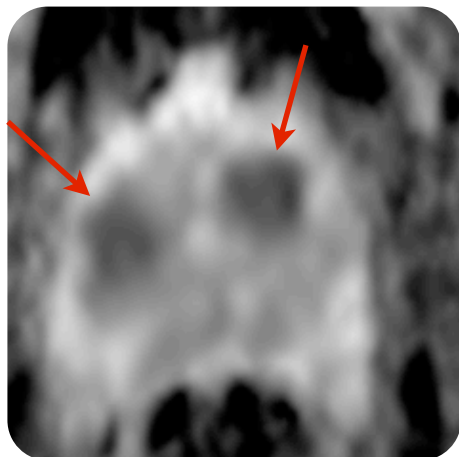
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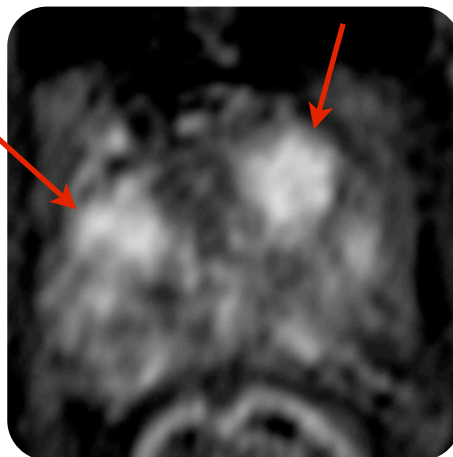
T2 coronal



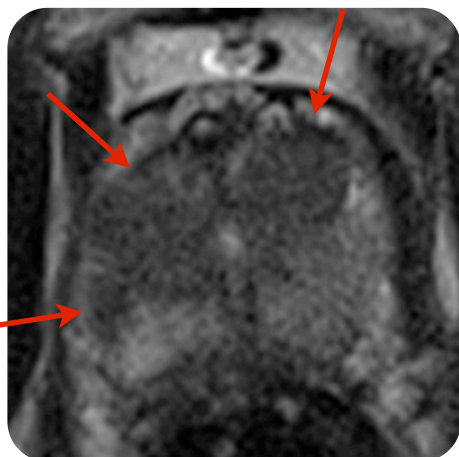
T2 coronal



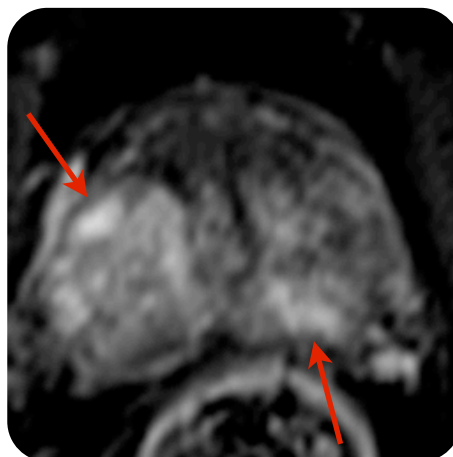
ADC axial lower mid



contrast axial lower mid



T2 axial lower mid



contrast axial base

