

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

## MRI Report

**Indication:** PSA 11.4. Extensive Gleason 4+5 on the right on biopsy.

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

**Findings:** The prostate volume is 54cc. Considerable T1 high signal (likely from post biopsy hemorrhage) is seen in the left peripheral zone, extending to the posterior midline at the apex.

A crescent of 2cc of tumour (5/5) is seen in the R lateral peripheral zone from the base to apex (with enhancement abutting, but not apparently involving uppermost sphincter fibres). It extends into the anterior horn, in particular towards the base, as much as 2.7cm from the posterior capsule. There is some slight capsular irregularity towards the base, and although there is no measurable extracapsular tumour, with this degree of abutment some microscopic breach posterolaterally is considered likely (from lower base to upper apex) . Enhancement at the base extends close to the seminal vesicles but does not apparently involve them. There may be a little involvement of the lateral transition zone at the right base.

No evidence of seminal vesicle disease or pelvic lymphadenopathy.

**Conclusion:** The tumour on the right is well shown; some small volume capsular breach is considered likely.

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

Sincerely,

Dr Alex Kirkham, Consultant Radiologist

**Prostate Volume**      54 CC

AP diameter:      4.1 cm

Transverse:      5.2 cm

Cranio-caudal:      4.9 cm

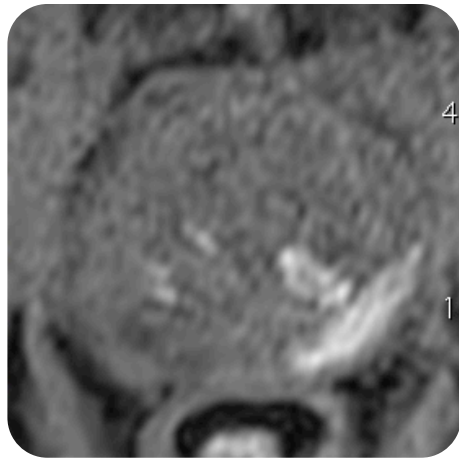
Scale    1= significant tumour very unlikely  
          2= significant tumour unlikely  
          3= equivocal  
          4= significant tumour likely  
          5= significant tumour very likely

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

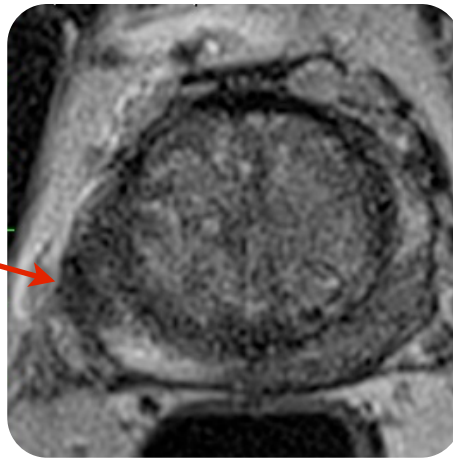
**Overall score  
(for significant disease)**

	lat R	med R	TZ R	TZ L	med L	lat L
SV	2					1
base	5	3	3	2	2	2
mid	5	3	2	2	2	2
apex		5	2	2	2	
sphincter			1	1		

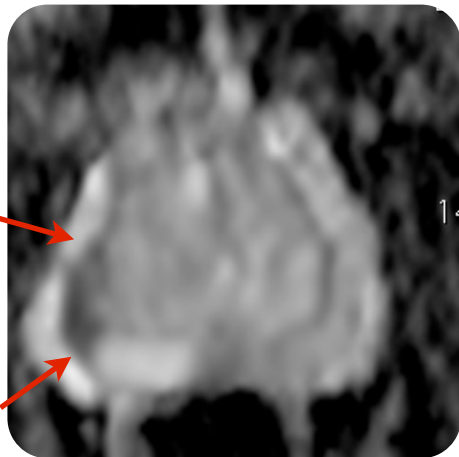
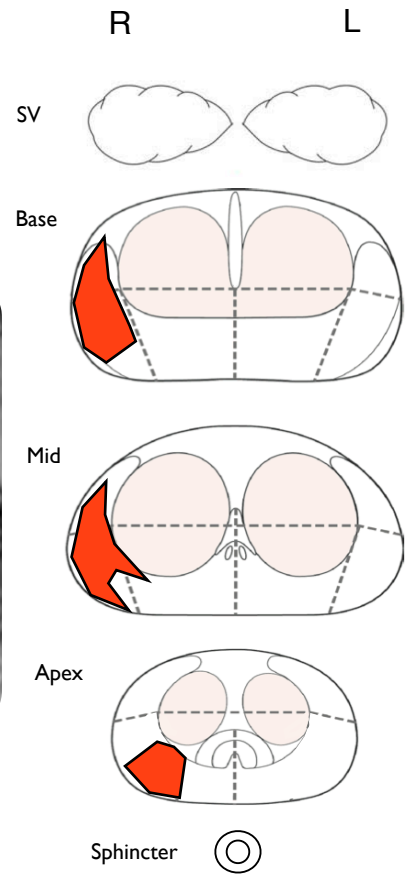
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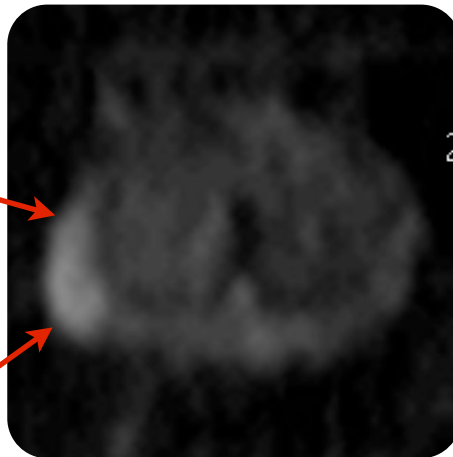
VIBE pre contrast



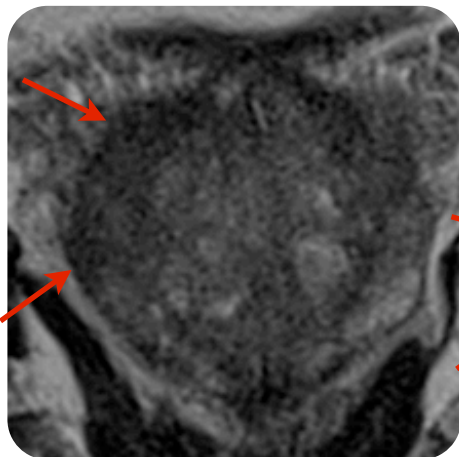
T2 axial mid to base



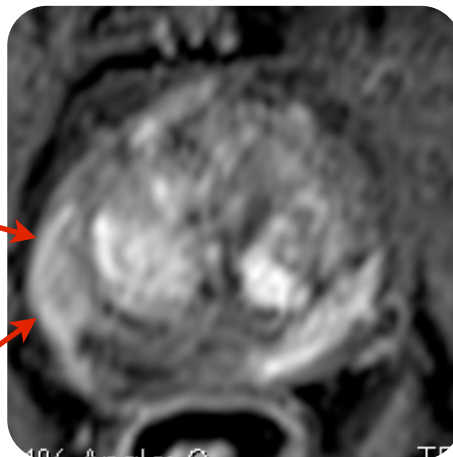
ADC mid to base



long b mid to base



T2 coronal



contrast axial mid to base:  
 artefact on the left, tumour on the right.