

1. Sections of the prostate show adenocarcinoma present in a multifocal distribution. The index area of carcinoma is present in the anterior right peripheral zone, extending into the fibromuscular and transitional zones without involving the apex and base. Smaller foci of carcinoma are seen on the opposite anterior left peripheral zone with smaller foci of carcinoma involving the remaining posterior quadrants also in the peripheral zone. Overall the carcinoma has a volume of 0.5cm³ (3D volume estimate method). The index carcinoma has a Gleason score of 4+3=7, ISUP/WHO grade group 3, with the additional multiple foci of carcinoma having a combination of Gleason patterns 3 and 4. The overall proportion of high grade carcinoma is 80%. No lymphovascular invasion is seen. No extraprostatic extension is present.

The surgical margins are clear. The remainder of the prostate shows no significant abnormality. The right and left seminal vesicles are within normal limits and are not involved by tumour.

2. Sections show fibrofatty tissue with a single lymph node with no evidence of malignancy (0/1).

3. Sections show fibrofatty tissue with three lymph nodes with no evidence of malignancy (0/3).

4. Sections show cystic nodules, lined by attenuated cuboidal epithelium with focal papillae formation or with bland epithelium with squamous metaplasia, overall in keeping with benign mesothelial inclusion cysts. The epithelium is positive with CK7 immunostain and the calretinin immunostain shows weak patchy staining supporting mesothelial differentiation. There is no evidence of malignancy.

5. Sections show benign fibrous tissue. There is no evidence of malignancy.

6. Sections show benign fibrofatty tissue with no evidence of malignancy.

SYNOPTIC REPORT PROSTATE: RADICAL PROSTATECTOMY

Clinical

Age: 63 years
Pre op PSA: 5.6ug/L (13/08/16)
Previous core biopsy: ISUP/WHO grade group 3, Gleason score 4+3=7
(21/10/16)
Other: Nil
Prostate gland
Measurement: 40x40x35mm
Weight: 39g
TUMOUR TYPE: Adenocarcinoma, NOS, acinar
Volume (Total): 0.5cm³ (3D volume estimate method)

INDEX CARCINOMA

Tumour location:
Quadrants: Right anterior
Zones: Peripheral, fibromuscular, transitional
ISUP GRADE GROUP (ISUP 2014): 3
Index Gleason Score (ISUP 2005 / 2014): 4+3=7
Primary Gleason pattern: 4
Secondary Gleason pattern: 3
Tertiary Gleason pattern: -
% High Grade 4/5: 80%

Other Carcinomas

Quadrants: Anterior and posterior