

LABORATORY MEDICINE PROGRAM

DEPARTMENT OF PATHOLOGY

200 Elizabeth Street
Toronto, Ontario M5G 2C4
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Patient: Longbender, John

MRN: 12345678

Health Card: [REDACTED]

Case #: [REDACTED]

Gender: Male

DOB: 14/9/1956 67 yrs

Copy To:

Submitter:

Surgical Pathology (Final result)

Authorizing Provider:	Ghai, Sangeet, MD	Ordering Provider:	Ghai, Sangeet, MD
Ordering Location:	Princess Margaret Cancer Centre - Joint Department Of Medical Imaging	Collected:	15/05/2024 1232
Pathologist:	Cheung, Carol Chui-San, MD	Received:	15/05/2024 1320

Received in Result Lab: 16/5/2024 9:42 AM

Specimens

A Prostate, Right Lateral Base, 1 core
B Prostate, Right Lateral Mid, 1 core
C Prostate, Right Lateral Apex, 1 core
D Prostate, Right Med Base, 1 core
E Prostate, Right Med Mid, 1 core
F Prostate, Right Med Apex, 1 core
G Prostate, Left Med Base, 1 core
H Prostate, Left Med Mid, 1 core
I Prostate, Left Med Apex, 1 core
J Prostate, Left Lateral Base, 1 core
K Prostate, Left Lateral Mid, 1 core
L Prostate, Left Lateral Apex, 1 core
M Prostate Nodule, 5 core (LMPZ MRI)

FINAL DIAGNOSIS

A. Prostate, Right Lateral Base, biopsy 1 core:
 - Negative for carcinoma.

- B. Prostate, Right Lateral Mid, biopsy 1 core:
- Negative for malignancy.
- C. Prostate, Right Lateral Apex, biopsy 1 core:
- Benign prostatic tissue
- D. Prostate, Right Med Base, biopsy 1 core:
- Adenocarcinoma, Gleason score 6 (3+3) in 1 of 1 core involving approximately 5% of the core
- E. Prostate, Right Med Mid, biopsy 1 core:
- Adenocarcinoma, Gleason score 7 (3+4) in 1 of 1 core involving approximately 5% of the core
- F. Prostate, Right Med Apex, biopsy 1 core:
- Adenocarcinoma, Gleason score 7 (4+3) in 1 of 1 core involving approximately 5% of the core
- G. Prostate, Left Med Base, biopsy 1 core:
- Adenocarcinoma, Gleason score 8 (4+4) in 1 of 1 core involving approximately 5% of the core
- H. Prostate, Left Med Mid, biopsy 1 core:
- Adenocarcinoma, Gleason score 9 (4+5) in 1 of 1 core involving approximately 5% of the core
- I. Prostate, Left Med Apex, biopsy 1 core:
- Adenocarcinoma, Gleason score 9 (5+4) in 1 of 1 core involving approximately 5% of the core
- J. Prostate, Left Lateral Base, biopsy 1 core:
- Adenocarcinoma, Gleason score 10 (5+5) in 1 of 1 core involving approximately 5% of the core
- K. Prostate, Left Lateral Mid, biopsy 1 core:
- Adenocarcinoma, Gleason score not applicable, perineural invasion only on 1 of 5 cores involving approximately 5% of the core
- L. Prostate, Left Lateral Apex, biopsy 1 core:
- Focal atypical small acinar proliferation (ASAP)
- M. Prostate Nodule, LMPZ MRI , biopsy 5 cores:
- Negative for malignancy.

Electronically signed by Cheung, Carol Chui-San, MD on 13/6/2024 at 1732

SYNOPTIC REPORT

Prostate Gland: Needle Biopsy (Case Level) (PROSTATE GLAND: NEEDLE BIOPSY (CASE LEVEL) - All Specimens)
Protocol posted: 20/9/2023

CASE SUMMARY	
Procedure	Systematic biopsy Targeted biopsy
Histologic Type	Acinar adenocarcinoma, conventional (usual)
Histologic Grade	
Highest Grade	Grade group 5 (Gleason Score 5 + 5 = 10)
Systematic Biopsy Overall Grade	Grade group 3 (Gleason Score 4 + 3 = 7)
Percentage of Pattern 4	81 - 90% 80 %
Percentage of Pattern 5	10 %
Targeted Biopsy Grade	Cannot be assessed: Perineural invasion only, not graded

Intraductal Carcinoma (IDC)	Not identified
Cribriform Glands	Not identified
Treatment Effect	Radiation therapy effect present: Gleason scoring may be inaccurate in this context.
TUMOR QUANTITATION	
Total Number of Cores	17
Number of Positive Cores	3
Tumor Measurement Technique	Consider multiple foci as discontinuous tumor
Greatest Percentage of Core Involvement by Cancer in Any Core	6 - 10%

GROSS DESCRIPTION

A. The specimen labeled with the patient's name and as "prostate, right lateral base biopsy, 1 core" consists of 1 core of white core-like tissue measuring 1.8 x 0.1 cm, received in 10% buffered formalin.

A1 submitted in toto

B. The specimen labeled with the patient's name and as "prostate, right lateral mid biopsy, 1 core" consists of 2 cores of white core-like tissue measuring 0.6-1.2 x 0.1 cm, received in 10% buffered formalin.

B1 submitted in toto

C. The specimen labeled with the patient's name and as "prostate, right lateral apex biopsy, 1 core" consists of 1 core of white core-like tissue measuring 1.7 x 0.1 cm, received in 10% buffered formalin.

C1 submitted in toto

D. The specimen labeled with the patient's name and as "prostate, right med base biopsy, 1 core" consists of 2 cores of white core-like tissue measuring 1.0-1.3 x 0.1 cm, received in 10% buffered formalin.

D1 submitted in toto

E. The specimen labeled with the patient's name and as "prostate, right med mid biopsy, 1 core" consists of 1 core of white core-like tissue measuring 2.0 x 0.1 cm, received in 10% buffered formalin.

E1 submitted in toto

F. The specimen labeled with the patient's name and as "prostate, right med apex biopsy, 1 core" consists of 1 core of white core-like tissue measuring 1.6 x 0.1 cm, received in 10% buffered formalin.

F1 submitted in toto

G. The specimen labeled with the patient's name and as "prostate, left med base biopsy, 1 core" consists of 1 core of white core-like tissue measuring 2.1 x 0.1 cm, received in 10% buffered formalin.

G1 submitted in toto

H. The specimen labeled with the patient's name and as "prostate, left med mid biopsy, 1 core" consists of 1 core of white core-like tissue measuring 1.7 x 0.1 cm, received in 10% buffered formalin.

H1 submitted in toto

I. The specimen labeled with the patient's name and as "prostate, left med apex biopsy, 1 core" consists of 1 core of white core-like tissue measuring 2.1 x 0.1 cm, received in 10% buffered formalin.

I1 submitted in toto

J. The specimen labeled with the patient's name and as "prostate, left lateral base biopsy, 1 core" consists of 1 core of white core-like tissue measuring 1.8 x 0.1 cm, received in 10% buffered formalin.

J1 submitted in toto

K. The specimen labeled with the patient's name and as "prostate, left lateral mid biopsy, 1 core" consists of 1 core of white core-like tissue measuring 2.0 x 0.1 cm, received in 10% buffered formalin.

K1 submitted in toto

L. The specimen labeled with the patient's name and as "prostate, left lateral Apex biopsy, 1 core" consists of 1 core of white core-like tissue measuring 1.8 x 0.1 cm, received in 10% buffered formalin.
L1 submitted in toto

M.The specimen labeled with the patient's name and as "prostate, left lateral Apex biopsy, prostate nodule 5 core" consists of 5 cores of white core-like tissue measuring 1.8-2.1 x 0.1 cm, received in 10% buffered formalin.
M1-M3 submitted in toto

Order Comments
PSA 0.48. DRE: NEG. PROSTATE VOLUME: 45cc. 17 CORES TOTAL

Resulting Labs	
TGH	TORONTO GENERAL HOSPITAL, 200 Elizabeth St, Toronto ON M5G 2C4