

SYSTEMATIC BIOPSY

1

PRI-MUS 1

1 "Swiss Cheese"

Benign

1 "Swiss Cheese"

Benign

1 "Swiss Cheese"

Benign

1 "Swiss Cheese"

Benign

2

PRI-MUS 2

2 Hyper, ductal patches

Benign

2 Hyper, ductal patches

Benign

2 Hyper, ductal patches

Benign

2 Hyper, ductal patches

Benign

TARGET SUSPICIOUS REGION

3

PRI-MUS 3

3 Mild hetero, bright echoes in hyper tissue

Benign

3 Mild hetero, bright echoes in hyper tissue

Gleason 7

3 Mild hetero, bright echoes in hyper tissue

Gleason 7

3 Mild hetero, bright echoes in hyper tissue

Gleason 7

4

PRI-MUS 4

4 Bright Echoes ("Starry Sky")

Gleason 8

4 "Cauliflower"

Gleason 8

4 "Smudgy/Mottled"

Gleason 7

4 Bright Echoes ("Starry Sky")

Gleason 7

5

PRI-MUS 5

5 Irregular Shadowing

Gleason 7

5 Mixed Echo Lesion with Irregular Prostate border

Gleason 9

5 Hypoechoic Lesion with Irregular Prostate border

Gleason 8

5 Mixed Echo Lesion

Gleason 7

Reference: Ghai, S. et al., "Assessing Cancer Risk on Novel 29 MHz Micro-Ultrasound Images of the Prostate: Creation of the Micro-Ultrasound Protocol for Prostate Risk Identification", *Journal of Urology*, 2016 Aug;196(2):562-9

EXACT+IMAGING

Micro-ultrasound Sidefire Biopsy Techniques

Prostate Anatomy (using high-resolution micro-ultrasound)

Midline

AZ

TZ

CZ

PZ

Medial

AZ

TZ

CZ

PZ

Lateral

PZ

SV

Core Length

SV

Core Spacing and Needle Guide Scale

Medial

Mid Medial

Apex Medial

Base Medial

2cm

2cm

Lateral

Mid Lateral

Apex Lateral

Base Lateral

2cm

SV

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If you require technical assistance with your ExactVu™ micro-ultrasound system, contact Exact Imaging Technical Support. Refer to [exactimaging.com/contact-us](https://www.exactimaging.com/contact-us) or scan the QR code to find the contact information for your region.

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