

SYSTEMATIC BIOPSY

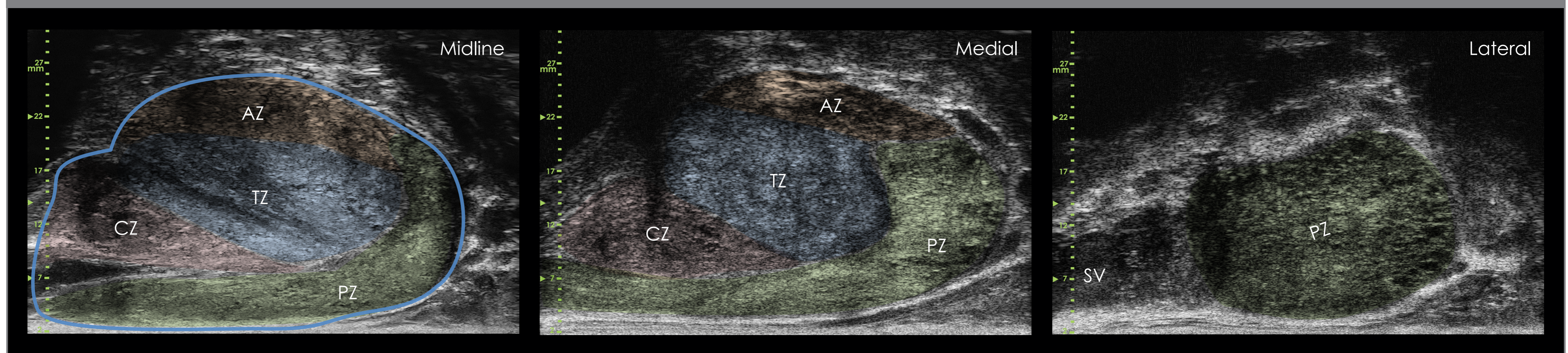
TARGET SUSPICIOUS REGION

SYSTEMATIC BIOPSY		TARGET SUSPICIOUS REGION		
1 PRI-MUS 1	2 PRI-MUS 2	3 PRI-MUS 3	4 PRI-MUS 4	5 PRI-MUS 5
1 "Swiss Cheese" Benign	2 Hyper, ductal patches Benign	3 Mild hetero, bright echoes in hyper tissue Benign	4 Bright Echoes ("Starry Sky") Gleason 8	5 Irregular Shadowing Gleason 7
1 "Swiss Cheese" Benign	2 Hyper, ductal patches Benign	3 Mild hetero, bright echoes in hyper tissue Gleason 7	4 "Cauliflower" Gleason 8	5 Mixed Echo Lesion with Irregular Prostate border Gleason 9
1 "Swiss Cheese" Benign	2 Hyper, ductal patches Benign	3 Mild hetero, bright echoes in hyper tissue Gleason 7	4 "Smudgy/Mottled" Gleason 7	5 Hypoechoic Lesion with Irregular Prostate border Gleason 8
1 "Swiss Cheese" Benign	2 Hyper, ductal patches Benign	3 Mild hetero, bright echoes in hyper tissue Gleason 7	4 Bright Echoes ("Starry Sky") Gleason 7	5 Mixed Echo Lesion Gleason 7

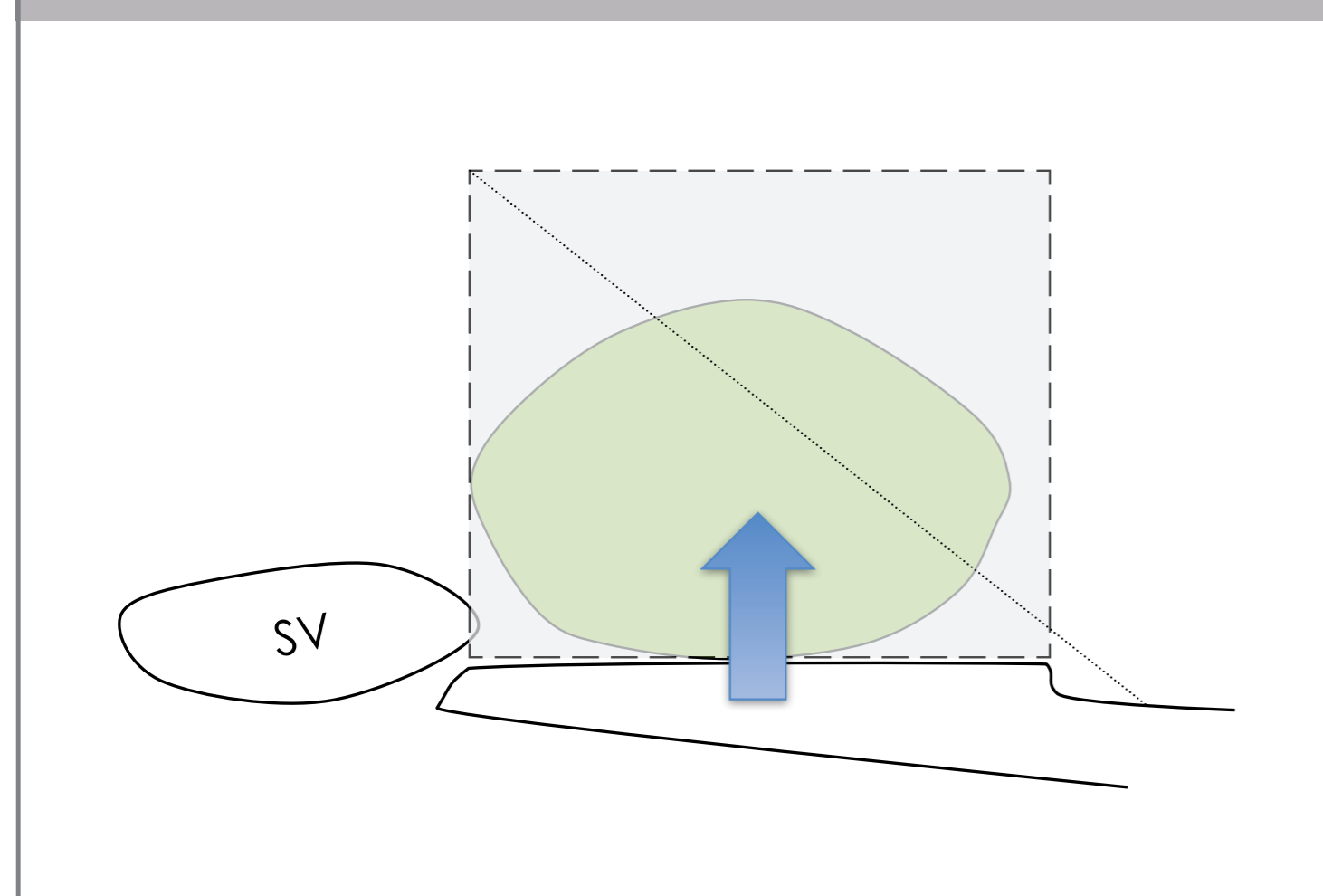
Reference: Ghai, S. et al., "Assessing Cancer Risk on Novel 29 MHz Micro-Ultrasound Images of the Prostate: Creation of the Micro-Ultrasound Protocol for Prostate Risk Identification", *Journal of Urology*, 2016 Aug;196(2):562-9

Micro-ultrasound Sidewire Biopsy Techniques

Prostate Anatomy (using high-resolution micro-ultrasound)



Core Length



Core Spacing and Needle Guide Scale

