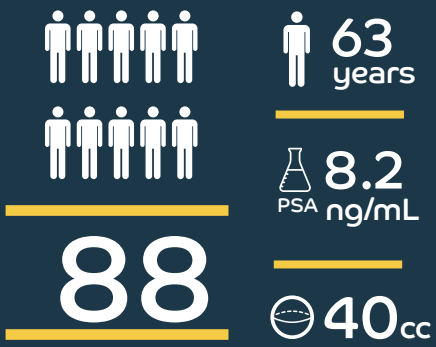


PRECISION MATTERS IN MR IMAGING-TARGETED PROSTATE BIOPSIES

CORNUD ET AL., RADIOLOGY, MAY 2018

PATIENTS



UROLOGISTS



COGNITIVE MRI FUSION & ELASTIC MRI FUSION

METHODS



ON-TARGET vs OFF-TARGET

CANCER TISSU SAMPLE



CHANCE OF DEMONSTRATING CANCER

46.5%

ON-TARGET

17.6%

OFF-TARGET

COGNITIVE vs ELASTIC FUSION

% OF POSITIVE CORES

70.5%

COGNITIVE

90.9%

ELASTIC FUSION

PRECISION

Distance from the core to the center of the target

INFORMATION

Distance from the core to the surface of the target

LOCATION OF TARGETS	COGNITIVE CORES (n=88)	FUSION CORES (n=88)	COGNITIVE CORES (n=88)	FUSION CORES (n=88)
BASE	8.4mm	3.6mm	4.0mm	-0.8mm
MID	6.6mm	2.5mm	2.6mm	-1.5mm
APEX	6.3mm	2.3mm	1.6mm	-2.4mm