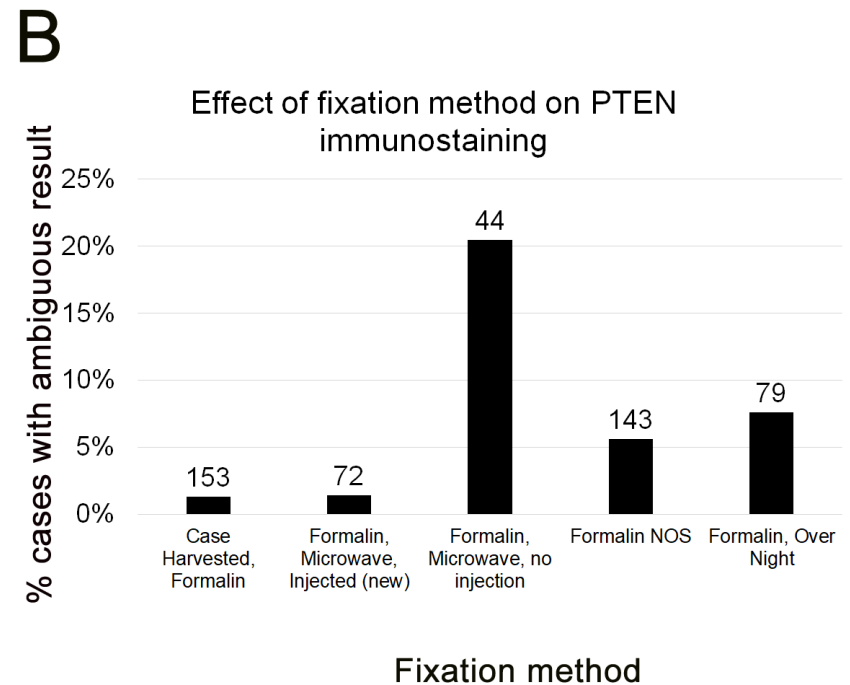
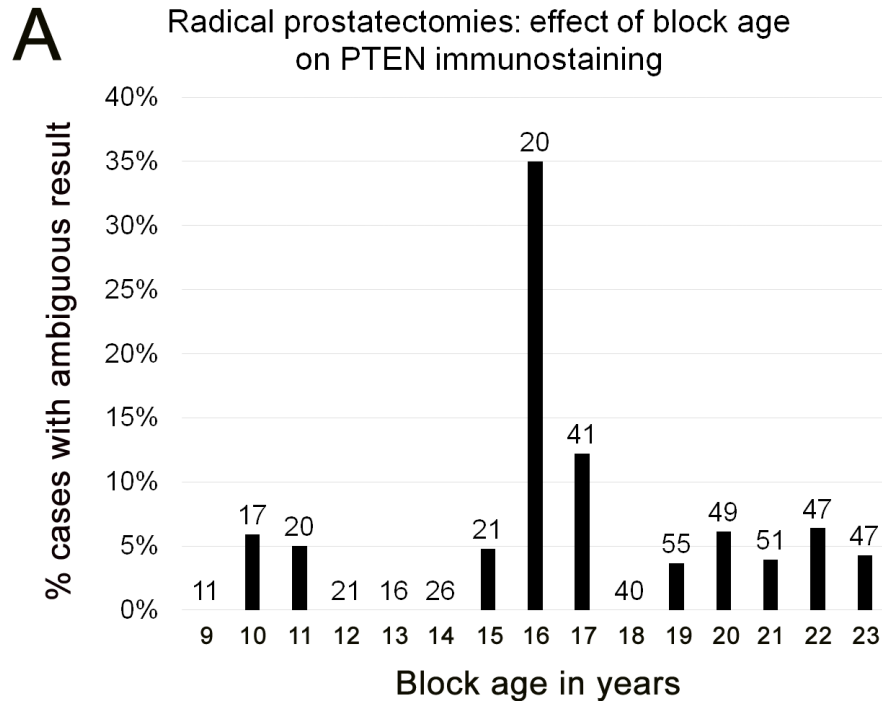


Supplemental Digital Content. The Supplemental Digital Content was not copy-edited by *Archives of Pathology & Laboratory Medicine*

**Supplemental Figure 1: Effect of tissue block age and fixation methodology on PTEN immunostaining for radical prostatectomy specimens. (A)** Proportion of radical prostatectomy specimens with non-evaluable PTEN immunostaining results by paraffin block age at time of microtomy. **(B)** Proportion of radical prostatectomy tumor samples with non-evaluable PTEN immunostaining results by fixation methodology.



**Supplemental Table 1: Summary of tissue fixation and processing schedules from 11 SPORE institutions.** HU/DFCI=Harvard University/Dana Farber Cancer Institute, Boston, MA; UWASH=University of Washington/Fred Hutchinson Cancer Research Center, Seattle, WA; JHU=Johns Hopkins University, Baltimore, MD; UMICH=University of Michigan, Ann Arbor, MI; MDACC=MD Anderson Cancer Center, Houston, TX; MAYO=Mayo Clinic, Rochester, MN; MSKCC=Memorial Sloan Kettering Cancer Center, New York, NY; BCM=Baylor College of Medicine, Houston, TX; NWU=Northwestern University, Chicago, IL; UCSF=University of California San Francisco, San Francisco, CA; UCLA=University of California Los Angeles, Los Angeles, CA; sec=seconds; min=minutes; hr=hours.

	Conditions	HU/DFCI		UWASH		JHU		UMICH		MDACC		MAYO		MSKCC		BCM		NWU		UCSF		UCLA	
		Time	Temp	Time	Temp	Time	Temp	Time	Temp	Time	Temp	Time	Temp	Time	Temp	Time	Temp	Time	Temp	Time	Temp	Time	Temp
Pre-processing	Interval pt (or saline) into fixative, Minimum time	30-90 sec	-	5 sec	-	-	-	5 sec	-	-	-	-	-	-	5 sec	-	-	-	-	5 sec	-	29 sec	RT
	Interval pt (or saline) into fixative, Maximum time	5-8 min	-	20 min	-	-	-	<5 min	-	-	-	-	-	-	<5 min	-	-	-	10 min	-	30 sec	-	-
	Sitting in fixative, Minimum time	3 hr	-	3 hr	-	1 hr	-	8 hr	-	6 hr	-	3 hr	-	8 hr	-	3 hr	-	3 hr	-	3 hr	-	3 hr	RT
	Sitting in fixative, Maximum time	24 hr	-	75 hr	-	9 hr	-	11 hr	-	45 hr	-	-	-	18 hr	-	12 hr	-	48 hr	-	27 hr	-	24 hr	RT
Post-fixation	10% Formalin (min)	-	-	-	-	5	40	20	35	10	42	20	57	30	35	60	-	20	25	45	RT	30	RT
	10% Formalin (min)	-	-	-	-	5	40	20	35	10	42	-	-	30	35	60	-	20	25	45	RT	30	RT
	Penfix (min)	-	-	7	37	-	-	-	-	-	-	-	-	-	-	-	-	20	25	-	-	20	RT
	10% Formalin in 95% ethanol (min)	-	-	-	-	-	-	-	-	20	42	-	-	-	-	-	-	-	-	-	-	-	-
Dehydration	70% ethanol (min)	5	RT	-	-	5	40	20	35	-	-	-	-	20	35	15	-	-	-	-	-	-	-
	80% ethanol (min)	15	RT	-	-	-	-	20	35	15	42	2	57	-	-	-	-	20	25	45	RT	40	RT
	80% ethanol (min)	15	RT	-	-	-	-	-	-	-	-	5	57	-	-	-	-	-	-	-	-	-	-
	95% ethanol (min)	15	RT	7	37	5	40	30	35	-	-	-	-	10	35	30	-	20	25	45	RT	40	RT
	95% ethanol (min)	15	RT	7	37	5	40	30	35	-	-	5	57	20	35	30	-	20	25	45	RT	40	RT
	100% ethanol (min)	15	RT	7	37	5	40	35	35	15	42	5	57	10	35	30	-	20	25	45	RT	40	RT
	100% ethanol (min)	15	RT	7	37	-	-	35	35	15	42	15	57	10	35	30	-	-	-	45	RT	40	RT
	100% ethanol (min)	-	-	7	-	-	-	-	-	15	42	-	-	20	35	30	-	-	-	45	RT	40	RT
	100% ethanol (min)/17% eosin (min)	-	-	-	-	5	40	-	-	-	-	-	-	-	-	-	-	20	25	-	-	-	-
	50% ethanol (min)/50% xylene (min)	-	-	-	-	5	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clearing	Xylene 3X (min)	50	RT	14	37	10	40	75	35	45	42	10	57	30	35	120	-	40	25	90	RT XL sub	80	RT
Infiltration	Paraffin (min)	20	RT	5	58	5	60	15	58	15	60	30	57	15	60	30	60	20	58	30	60	30	60
	Paraffin (min)	20	RT	7	58	5	60	25	58	15	60	2	57	15	60	45	60	20	58	45	60	40	60
	Paraffin (min)	-	-	7	58	5	60	25	58	15	60	-	-	20	60	45	60	20	58	45	60	40	60
	Paraffin (min)	-	-	-	-	5	60	15	58	15	60	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Total Time (min)</b>	<b>185</b>		<b>75</b>		<b>70</b>		<b>365</b>		<b>205</b>		<b>94</b>		<b>230</b>		<b>525</b>		<b>260</b>		<b>570</b>		<b>510</b>	