

**Supplementary Table:** Comparison of epidemiological and disease-related characteristics of patients grouped according to positive versus negative <sup>18</sup>F-fluciclovine PET/CT findings

Covariate	Statistics	Level	PET results		P-value*
			Negative N=15	Positive N=60	
Race	N (Col %)	White	8 (53.33)	40 (66.67)	0.336
	N (Col %)	African American/Other	7 (46.67)	20 (33.33)	
Gleason Score	N (Col %)	<8	11 (73.33)	47 (78.33)	0.734
	N (Col %)	>=8	4 (26.67)	13 (21.67)	
ADT	N (Col %)	No	10 (66.67)	39 (65)	0.903
	N (Col %)	Yes	5 (33.33)	21 (35)	
Presence of adverse pathology	N (Col %)	No	3 (20)	20 (33.33)	0.493
	N (Col %)	Yes	12 (80)	40 (66.67)	
ECE	N (Col %)	No	7 (46.67)	27 (45)	0.908
	N (Col %)	Yes	8 (53.33)	33 (55)	
SV	N (Col %)	No	3 (20)	18 (30)	0.535
	N (Col %)	Yes	12 (80)	42 (70)	
Positive Margin	N (Col %)	No	9 (60)	24 (40)	0.163
	N (Col %)	Yes	6 (40)	36 (60)	

			PET results		
Covariate	Statistics	Level	Negative N=15	Positive N=60	P-value*
Node	N (Col %)	No	3 (20)	10 (16.67)	0.716
	N (Col %)	Yes	12 (80)	50 (83.33)	
Age, years	N		15	60	0.560
	Mean		62.53	61.23	
	Median		62	61	
	Min		53	42	
	Max		72	75	
	Std Dev		5.79	8.08	
PSA pre RP	N		15	58	0.210
	Mean		8.37	14.77	
	Median		7.8	8.26	
	Min		3.3	2.62	
	Max		16.93	114	
	Std Dev		4.04	19.39	
pre-RT PSA	N		15	60	0.119
	Mean		0.39	1.32	
	Median		0.25	0.33	
	Min		0.03	0.02	
	Max		1.76	9.79	
	Std Dev		0.46	2.27	

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**PET results**

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<b>Covariate</b>	<b>Statistics</b>	<b>Level</b>	<b>Negative N=15</b>	<b>Positive N=60</b>	<b>P-value*</b>
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\*: p-value is calculated by ANOVA for numerical covariates; and chi-square test or Fisher's exact for categorical covariates, where appropriate; **ADT**: Androgen-Deprivation Therapy; **ECE**: Extra-Capsular Extension; **SV**: Seminal Vesicle; **RP**: Radical Prostatectomy; **PSA pre-RP**: Prostate-Specific Antigen level prior to Radical Prostatectomy; **PSA pre-RT**: Prostate-Specific Antigen level prior to Salvage Radiotherapy;

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