Free testosterone predicts preoperative sexual function in men over 60 years of age with prostate cancer (#140)

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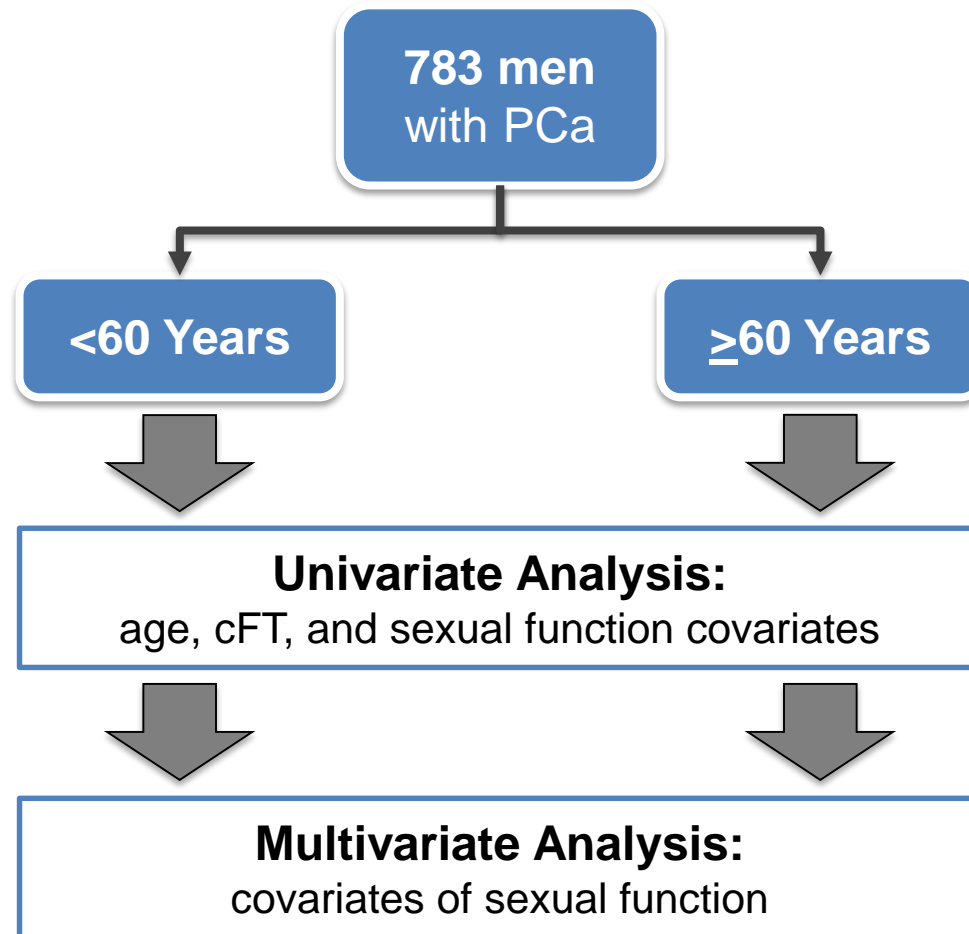Department of Urology, University of California, Irvine Health; Orange, CA

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Conflict of Interest Disclosure

No potential conflict of interest to report

Methods

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                    │  783 men    │
                    │  with PCa   │
                    └─────────────┘
              ┌───────────┴───────────┐
        ┌───────────┐           ┌───────────┐
        │ <60 Years │           │ ≥60 Years │
        └───────────┘           └───────────┘
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┌───────────────────────────────────────────────────┐
│              Univariate Analysis:                   │
│     age, cFT, and sexual function covariates        │
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│             Multivariate Analysis:                  │
│          covariates of sexual function              │
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783 men with PCa

<60 Years   **≥60 Years**

Univariate Analysis:
age, cFT, and sexual function covariates

Multivariate Analysis:
covariates of sexual function

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< 60 Years of Age

	B	Std. Error	Beta	Sig.	95.0% CI for B Lower	Upper
Constant	25.655	5.638		0.000	14.460	36.851
cFT (cont.)	-0.452	0.285	-0.165	0.116	-1.019	0.114
CCI (cont.)	0.473	0.884	0.055	0.594	-1.283	2.230
BMI (cont.)	-0.062	0.203	-0.032	0.762	-0.465	0.342
PSA (cont.)	0.000	0.147	0.000	0.998	-0.292	0.292
Prostate Weight (cont.)	0.007	0.042	0.017	0.875	-0.077	0.090
pGS [1-4 (ref) vs. 5]	-3.340	2.514	-0.137	0.187	-8.332	1.652
p-stage [2 (ref) vs. 3/4]	-0.506	1.333	-0.040	0.705	-3.153	2.141

≥ 60 Years of Age

	B	Std. Error	Beta	Sig.	95.0% CI for B Lower	Upper
Constant	27.469	5.760		0.000	16.029	38.909
cFT (cont.)	1.044	0.296	0.323	**0.001**	0.456	1.632
CCI (cont.)	-2.660	0.747	-0.333	**0.001**	-4.145	-1.176
BMI (cont.)	-0.149	0.188	-0.077	0.433	-0.523	0.226
PSA (cont.)	-0.032	0.100	-0.032	0.746	-0.231	0.166
Prostate Weight (cont.)	-0.025	0.031	-0.083	0.413	-0.087	0.036
pGS [1-4 (ref) vs. 5]	-3.502	1.711	-0.208	**0.044**	-6.899	-0.104
p-stage [2 (ref) vs. 3/4]	-1.124	1.623	-0.078	0.490	-4.347	2.099

Conclusions

- This highlights the deleterious effects of low cFT in older patients compared to their younger counterparts.

- There should be a systematic evaluation of testosterone levels in all men diagnosed with prostate cancer.

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