Climacturia After Robot-Assisted Radical Prostatectomy: Does Pre-Operative Erectile Dysfunction Affect Who Recovers (#143)

Farouk M. El-Khatib MD, Mohamad M. Osman BS, Huang Wei Su MSc, Linda M. Huynh MSc, Edward Choi BS, Faysal A. Yafi MD, Thomas E. Ahlering MD

University of California, Irvine – Department of Urology, Orange, CA USA

UCI Department of Urology

Disclosures

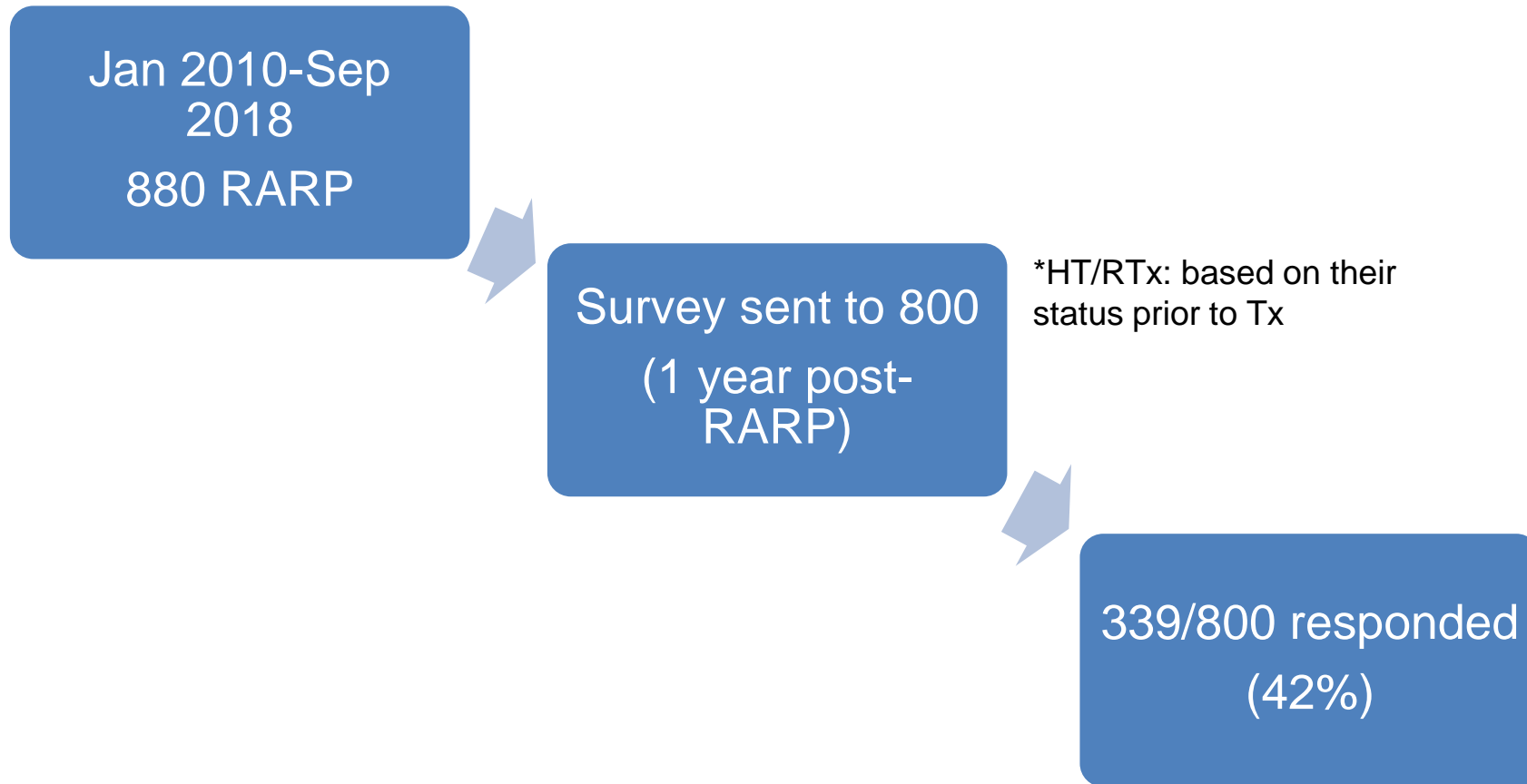I have no conflict of interests to disclose.

Background

- Climacturia occurs in 20-48% of men undergoing robot-assisted radical prostatectomy (RARP) and can be an issue for both patients and their partners.

- In a recent survey via the Endourologic Society:

  ➢ 63% of prostatectomists believe that climacturia is under-addressed

  ➢ 54% of prostatectomists believe that climacturia can be a problem

Aim of the study

❖ The present study seeks to determine whether the International Index of Erectile Function -5 (IIEF-5) questionnaire can serve as a predictor of long-term climacturia recovery.

Methods

Figure 1: Patient Population

Jan 2010-Sep 2018
880 RARP

Survey sent to 800
(1 year post-RARP)

339/800 responded
(42%)

*HT/RTx: based on their status prior to Tx

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Results

Table 1: Independent predictors of climacturia

Climacturia status	IIEF-5 < 22 (N=151) 56 (37%)		IIEF-5 22-25 (N=188) 71 (38%)		
	Mean	SD	Mean	SD	P-value
Age	64.3	6.1	59.5	6.7	**0.0001**
BMI	27.5	4.0	26.4	3.0	0.0790
Pre-op PSA	7.9	4.3	6.6	5.1	0.1294
Pre-op AUA	11.1	7.7	6.9	5.6	**0.0005**
Bother	2.2	1.5	1.2	1.2	**0.0001**
Pre-op IIEF-5	14.9	5.9	24.2	1.0	**<0.0001**
Total Testosterone	374.2	204.0	395.5	148.9	0.4978
Free Testosterone	6.3	5.4	6.5	2.3	0.7787
Prostate weight	61.9	26.2	49.1	17.6	**0.0013**
	N	%	N	%	p-value
Bilateral NS	56	100.0%	69	95.8%	0.1222
Pathologic Stage	52		68		0.733
pT2	35	67.3%	54	79.4%	
pT3/pT4	17	32.7%	14	20.6%	
Gleason Grade Group	49		67		0.221
1	8	16.3%	12	17.9%	
2	19	38.8%	31	46.3%	
3	17	34.7%	16	23.9%	
4	2	4.1%	4	6.0%	
5	3	6.1%	4	6.0%	

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Logistic regression of factors predicting climacturia recovery

	B	S.E.	Wald	Sig.	Exp(B)	95% CI Lower	Upper
IIEF-5 (<22 [ref] vs ≥22)	1.371	.566	5.862	**.015**	**3.939**	1.298	11.95
Age (cont.)	.007	.035	.042	.839	1.007	.940	1.079
Pre-op AUA score (cont.)	.046	.049	.850	.357	1.047	.950	1.153
Bother score (cont.)	.127	.261	.237	.627	1.136	.680	1.895
Prostate Weight (cont.)	-.007	.012	.308	.579	.993	.971	1.017
BMI (cont.)	.012	.068	.033	.856	1.012	.887	1.156
Order (cont.)	.857	.505	2.875	.090	2.356	.875	6.346

❖ On multivariate analysis, patients who had a preoperative IIEF-5 score 22-25 were 4 times more likely to **recover** from climacturia.

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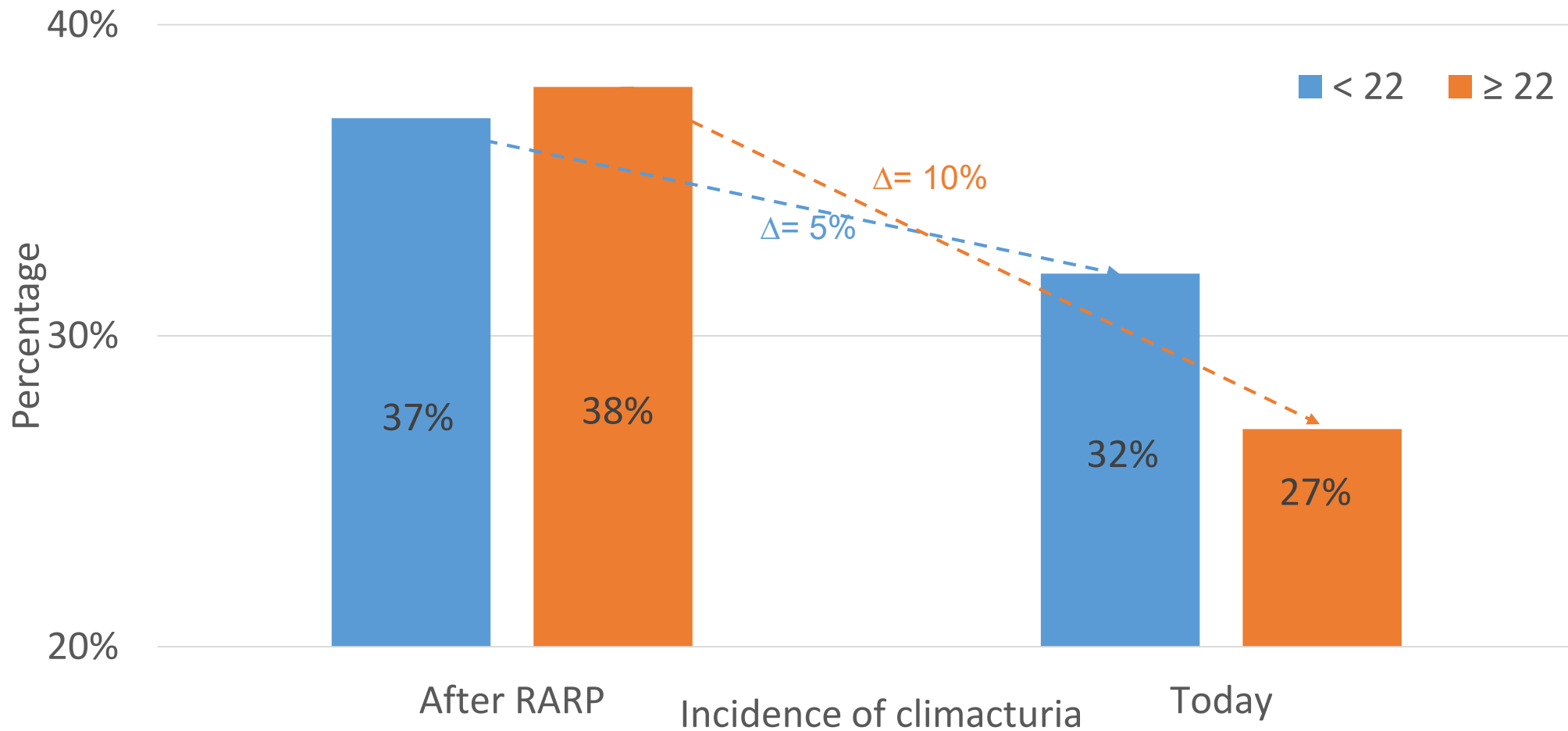
Conclusions

- Men with preoperative **IIEF-5 score 22-25** are **4 times** more likely to recover from climacturia.

- Please check out our abstract ***"Maximization of membranous urethral length during robot-assisted radical prostatectomy increases climacturia recovery"*** *(#145)*.