

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



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1. Introduction & Objectives

- Current literature suggests climacturia to occur in 20-48% of men undergoing robot-assisted radical prostatectomy (RARP).
- A recent survey via the Endourologic Society revealed that 63% and 54% of prostatectomists believe that climacturia is under-addressed and can be a problem, respectively.
- We seek to determine whether the International Index of Erectile Function -5 (IIEF-5) questionnaire can serve as a predictor of long-term climacturia recovery.

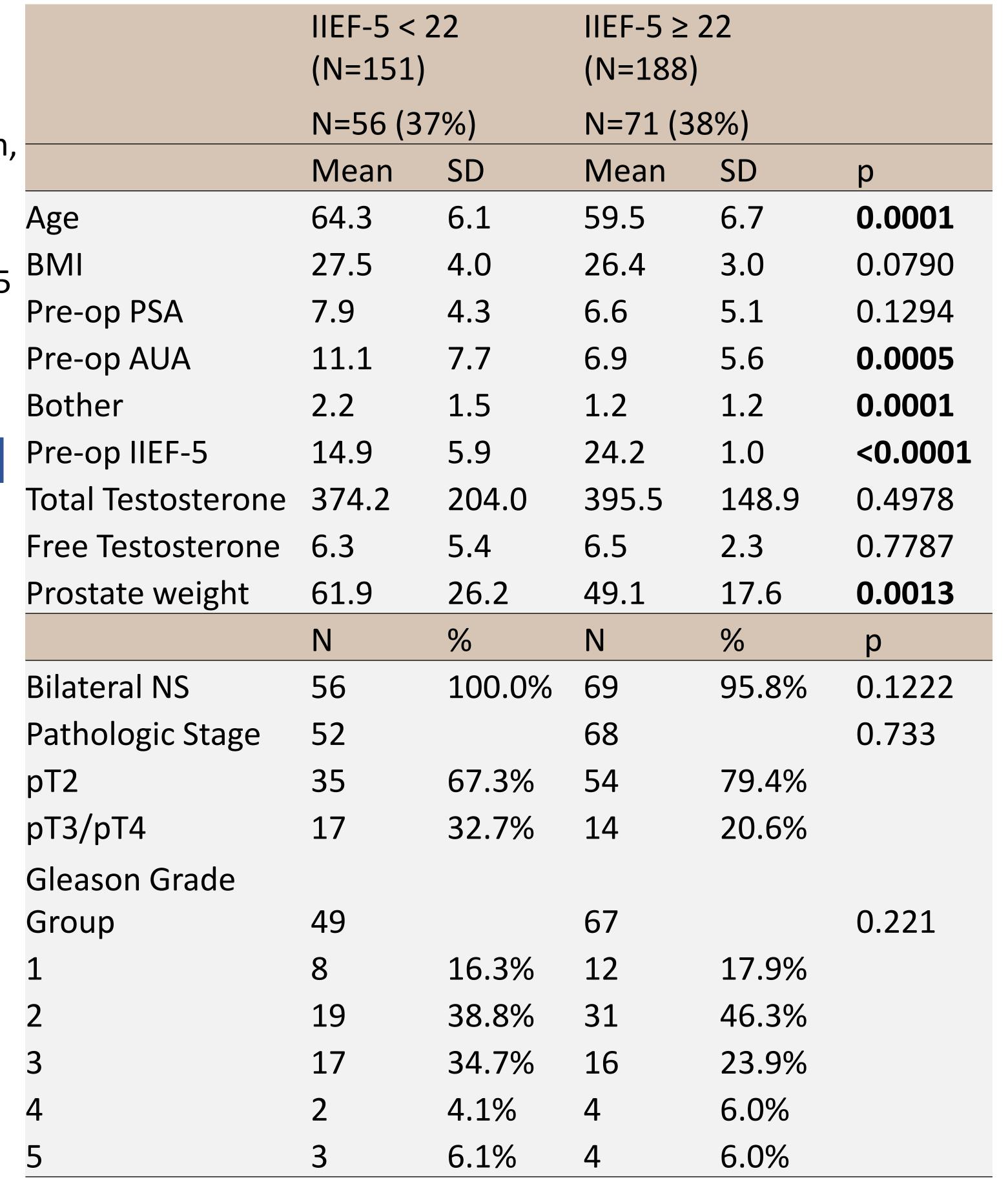
2. Materials & Methods

Between January 2010 and September 2018, 880 RARP were performed by a single surgeon. 800 of these men had a valid email address, of which all were sent an electronic questionnaire inquiring about their experience with climacturia. Men who received additional hormonal or radiation therapy were asked to answer based on their status prior to the treatment.

- Incidence of post-RARP climacturia and recovery was assessed.
- Results were stratified by preoperative IIEF-5 score 22-25.
- Factors predicting climacturia recovery were assessed via logistic regression.

3. Results, Independent Predictors of Climacturia

The questionnaire was completed by 339 / 800 patients (42%), of which 37% reported some experience with climacturia. At a median follow-up of 5 years, 29% reported continued climacturia today. These results were then stratified by pre-op IIEF-5 22-25.



3. Results, Independent Predictors of Climacturia

Figure 1. Climacturia incidence and recovery, stratified by preoperative IIEF-5 22-25

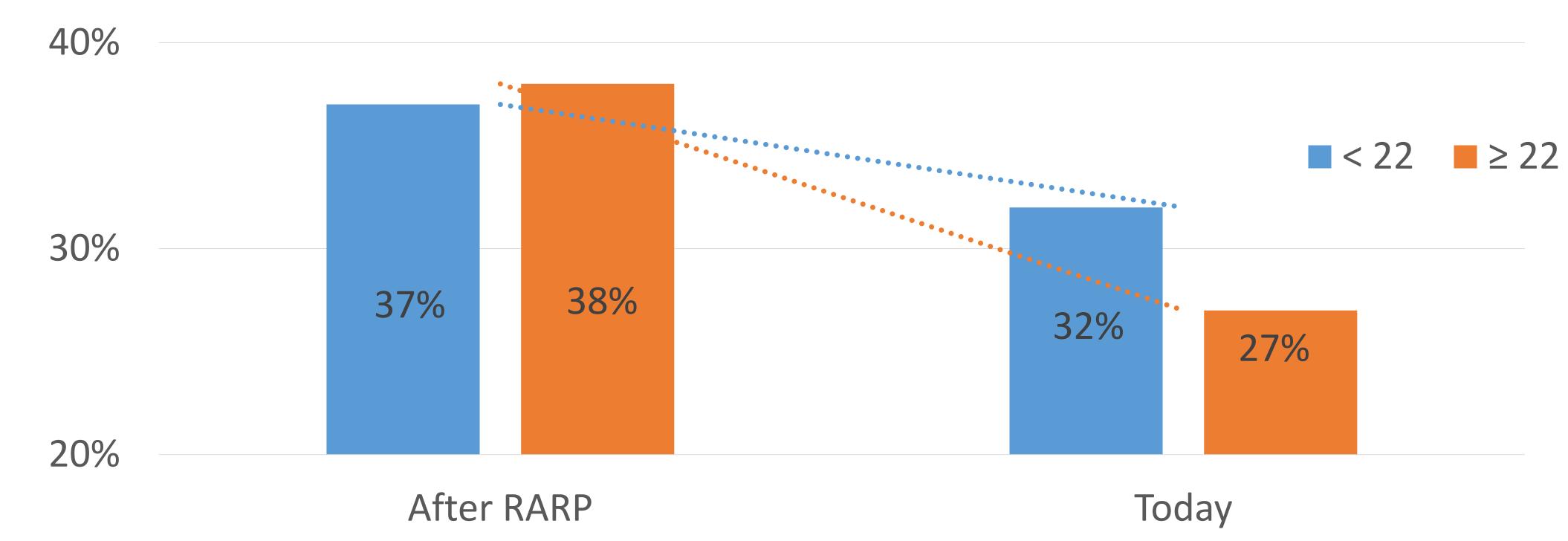


Table 1. Logistic Regression of Factors Predicting Climacturia Recovery

						95% CI		
	В	S.E.	Wald	Sig.	Exp(B)	Lower	Upper	
IIEF-5 (<22 [ref] vs 22-25)	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 were 3.9 times more likely to recover from climacturia.

4. Conclusions

- Erectile dysfunction, defined as preoperative IIEF-5 score < 22, had a significant and independent impact on the long term rate of climacturia and climacturia recovery.
- This basic screening can be beneficial, as men with a low preoperative IIEF-5 can seek early intervention thus avoiding the psychological consequences of climacturia.