

## BACKGROUND

- Sexual dysfunction is an important predictor of diminished quality of life in UCPPS
- Understanding sexual dysfunction as it relates to UCPPS may aid in clinical diagnosis and improve treatment strategies and overall symptom improvement

## OBJECTIVES

- To compare the prevalence and characteristics of sexual dysfunction among men and women with UCPPS, individuals reporting other chronic pain conditions (positive controls, PC) and healthy individuals (healthy controls, HC)

## METHODS

- Cross sectional analysis of subjects with UCPPS, PC (irritable bowel syndrome, chronic fatigue syndrome, fibromyalgia) and HC
- Sexual function assessed with:
  - Female Sexual Function Index (FSFI)
  - Self-Esteem and Relationship Questionnaire (SEAR)
  - University of Washington Male Sexual Function Scale (MSFS)
  - International Index of Erectile Function-Erectile Function Domain (IIEF-EF)
  - Ejaculatory Function Scale (EFS)
- Female sexual dysfunction defined as FSFI score <26
- Male sexual dysfunction defined as IIEF-EF score <21
- Data were compared among UCPPS, PC and HC by ANOVA for continuous variables and chi-square tests for categorical variables.

## RESULTS

- Study Population
  - UCPPS: 233 women and 191 men
  - PC: 156 women and 44 men
  - HC: 233 women and 182 men
- Female Sexual Function
  - FSFI scores were lower in UCPPS than HC or PC (p=<0.001)
  - Higher prevalence of sexual dysfunction in UCPPS (65%) than PC (35.7%) or HC (14.7%) (p <0.001)
- Male Sexual Function
  - 5 times more likely to have sexual dysfunction in UCPPS (20%) than HC (4.2% )

TABLE 1. Cohort Characteristics

Characteristic	Stat	Men				Women			
		UCPPS	HC	PC	p	UCPPS	HC	PC	p
Participants	N	191	182	44	-	233	233	156	-
Age	Mean (SD)	46.8 (15.35)	43.7 (15.09)	41.1 (12.80)	0.0082	40.5 (14.35)	38.0 (12.70)	41.9 (14.03)	0.54
Live with Spouse	Yes	115 (60.2%)	81 (44.5%)	11 (25.0%)	<.0001	153 (65.7%)	99 (42.5%)	69 (44.2%)	<.0001
Baseline FSFI c	Mean (SD)	-	-	-	-	22.5 (6.72)	29.8 (4.42)	26.8 (6.07)	<.0001
FSFI < 26	Yes	-	-	-	-	112 (65.5%)	25 (14.7%)	41 (35.7%)	<.0001
SEAR Sexual Relationship	Mean (SD)	63.3 (28.00)	82.4 (20.20)	67.9 (30.04)	<.0001	45.3 (30.00)	72.0 (24.77)	62.0 (29.24)	<.0001
Sear Self Esteem	Mean (SD)	72.0 (24.87)	90.4 (14.63)	75.6 (24.01)	<.0001	68.0 (25.19)	84.8 (17.68)	72.0 (26.82)	0.013
Baseline EFS [MSFS]	Mean (SD)	2.7 (2.20)	0.6 (0.92)	2.0 (2.04)	<.0001	-	-	-	-
IIEF [EF]	Mean (SD)	24.7 (6.44)	28.5 (3.46)	26.2 (6.15)	<.0001	-	-	-	-
IIEF [EF] < 21	Yes	30 (20.4%)	6 (4.2%)	4 (12.9%)	0.0002	-	-	-	-

## CONCLUSION

**Sexual dysfunction is more common in UCPPS than PC or HC**

**Assessment and treatment of sexual function is likely to improve quality of life in patients with UCPPS**