



# TREATMENT RELATED OUTCOMES FOR PATIENTS WITH ATYPICAL PEYRONIE'S DISEASE

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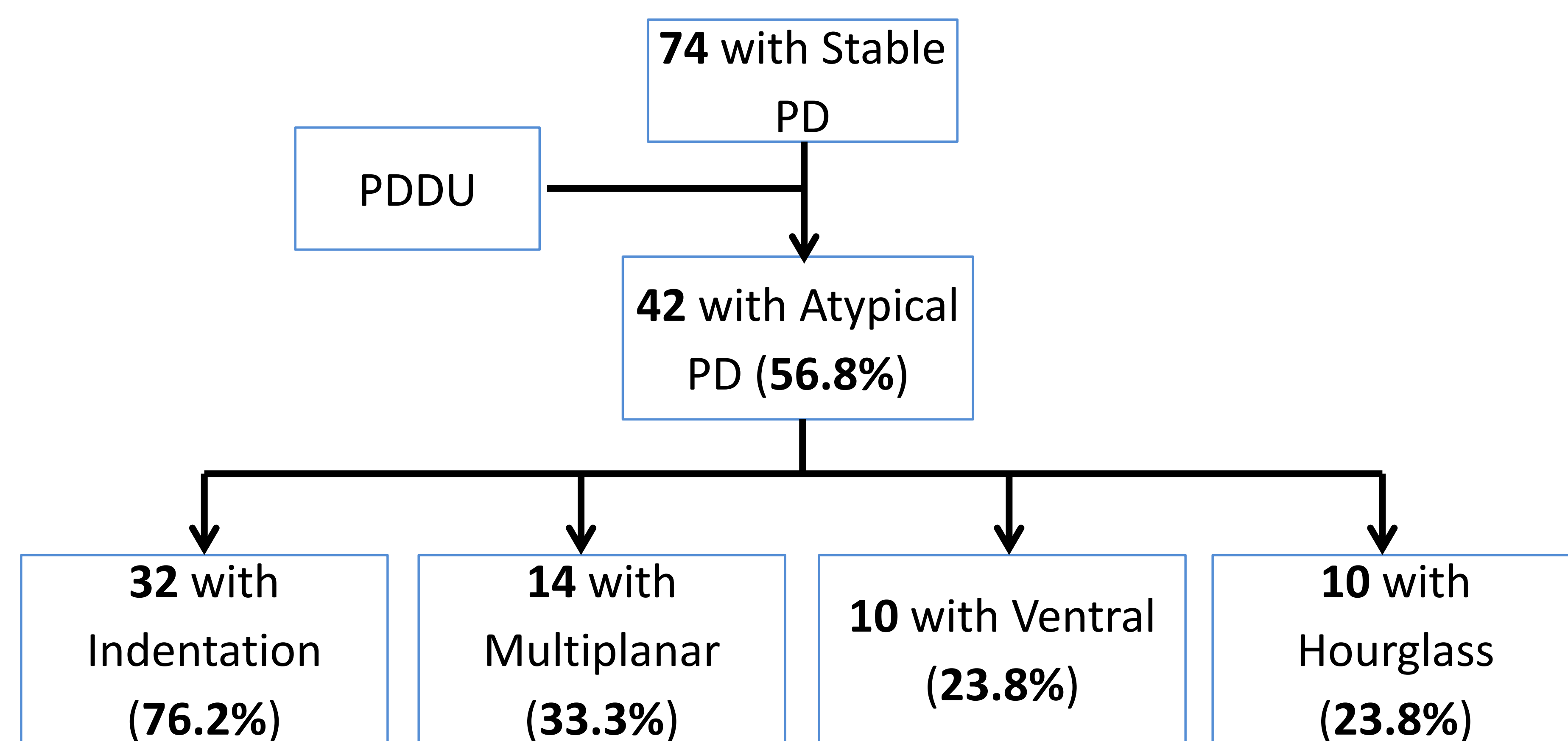
## Introduction and Objectives

Peyronie's disease (PD) is an acquired condition typically characterized by plaque formation and dorsal/lateral penile curvature. Atypical PD is a term used to describe less common PD presentations such as ventral curvature, multiplanar curvature, penile indentation and hourglass deformity. We sought to assess the outcomes of patients with atypical PD presenting to a men's health clinic.

## Materials and Methods

We conducted a retrospective review of charts of men who presented to the clinic with atypical PD between October 2016 and October 2018. Patients were included if (1) they were considered to be in the stable phase of the disease and (2) had completed a penile duplex Doppler ultrasound (PDDU) prior to any intervention.

## Results



	Indentation	Multiplanar	Ventral	Hourglass
	N=32	N=14	N=10	N=10
Age	58.9 ± 11.4	55.4 ± 13.9	57.2 ± 11.5	56.3 ± 14.3
DM	5/26 (19.2%)	1/7 (14.3%)	1/5 (20.0%)	1/8 (12.5%)
HTN	15/26 (57.7%)	2/7 (28.6%)	2/5 (40.0%)	5/8 (62.5%)
CVD/PVD	2/26 (7.7%)	1/7 (14.3%)	0/5 (0.0%)	0/8 (0.0%)
BMI	26.8 ± 5.7	27.8 ± 3.1	27.7 ± 2.5	27.6 ± 8.7

	Indentation	Multiplanar	Ventral	Hourglass	Change in curvature	
	N=25	N=9	N=7	N=9	Degree ± SD	Percentage
Number treated						
Initial mean curvature	46.3 ± 15.2	42.1 ± 15.4	40.0 ± 16.3	39.0 ± 15.6		
Treatment, no. (%)						
Xiaflex	18 (72.0%)	7 (77.8%)	5 (71.4%)	7 (77.8%)	-15.8 ± 8.2	33.8 ± 23.9%
PEG	1 (4.0%)	-	-	1 (11.1%)		
Plication	3 (12.0%)	2 (22.2%)	1 (14.3%)	-	-48.3 ± 17.2	90.7 ± 28.1%
IPP	3 (12.0%)	-	1 (14.3%)	1 (11.1%)		

	Subjective improvement of deformity	
	Indentation	Hourglass
Xiaflex	12/13	5/5
PEG	1/1	1/1
Plication	3/3	-
IPP	3/3	1/1

Overall, 31/42 (73.8%) patients opted for treatment: 22 (70.9%) Xiaflex injections, 4 (12.9%) plication, 4 (12.9%) inflatable penile prosthesis, and 1 (3.3%) plaque excision and grafting. The remaining 11 patients did not pursue treatment, mostly due to insurance coverage issues.

The mean number of Xiaflex injections used was 7.3 ± 2.9. There was 1 penile fracture in the CCH group which required surgical repair. There were no complications in the surgical group.

## Conclusion

- Patients with atypical PD represent a significant proportion of men with PD.
- Surgery represents an excellent option in this group.
- Outcomes with Xiaflex in patients with atypical PD are comparable to those reported in the IMPRESS trials with typical PD.