

Treatment Related Outcomes for Patients with Atypical Peyronie's Disease using Xiaflex Injections



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Introduction and Objectives

- Atypical Peyronie's disease (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 presenting with atypical PD to a men's health clinic and treated with Xiaflex/Collagenase clostridium histolyticum (CCH).

Materials and Methods

- We conducted a retrospective review of charts of men who presented to one clinic with atypical PD between October 2016 and June 2019.
- Patients were included if they:
 - 1- were in the stable phase of the disease
 - 2- completed a penile duplex Doppler ultrasound (PDDU) prior to any intervention
 - 3- received Xiaflex/CCH injections
- Gathered data included patient demographics and treatment details, outcomes and complications.
- Patients presenting with indentation or hourglass deformity were asked to answer the symptom bother domain of the Peyronie's Disease Questionnaire (PDQ).

Figure 1. Indentation



Figure 2. Hourglass Deformity



Results

- 93 men with stable PD underwent PDDU.
- 61 (65.6%) were found to have atypical PD.
- The mean number of Xiaflex injections used was 8.4 ± 3.3 .
- 80.0% of responders said they would pursue this treatment again.
- There was 1 penile fracture which required surgical repair.

	Ventral (N=20)	Multiplanar (N=18)	Indentation (N=40)	Hourglass (N=12)	
Number treated with Xiaflex	N=5	N=6	N=17	N=5	Overall improvement
Degrees improved	-16.9 ± 6.9	-15.8 ± 6.1	-17.5 ± 8.8	-18.5 ± 11.1	-17.0 ± 8.2
Percentage improved	48.1 ± 9.5%	46.0 ± 9.6%	37.5 ± 13.9%	35.7 ± 15.4%	38.4 ± 13.1%

	Indentation (N=17) & Hourglass (N=5)
Subjective improvement	60.0%
PDQ bother improvement	-6.8 ± 2.8

Conclusion

- Patients with atypical PD represent a significant proportion of men with PD.
- Xiaflex/CCH demonstrates favorable improvements in penile curvature and bother score in these patients.
- Outcomes with Xiaflex in patients with atypical PD are comparable to those reported in the IMPRESS trials.