

Intralesional Injection of Collagenase *Clostridium histolyticum* for the Management of Peyronie's Disease with Indentation or Hourglass Deformity

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Introduction

- The goal of our study is to assess the outcomes of treatment with Xiaflex in patients with Peyronie's disease (PD) and significant indentation or hourglass deformity.

Methods

- Retrospective chart review of 13 patients with these specific deformities who were treated with Xiaflex between November 2016 and March 2019.
- Degree of curvature measured at time of penile duplex doppler ultrasound, after the fourth injection, and 4-6 weeks after completion of the eighth injection.

	Indentation	Hourglass
Number patients treated	N = 8	N = 5
Mean number of injections given	8.3 ± 3.1	
Mean pre-treatment degree curvature	48.1° ± 15.9°	
Mean change in degree (percent) curvature	14.2° ± 10.6° (30.5% ± 21.4%)	
Mean change in degree (percent) curvature with 8 or more injections	18.3° ± 9.4° (35.5% ± 17.1%)	
Percent patients with significant improvement in curvature	61.5%	
Percent patients with significant improvement in curvature with 8 or more injections	77.8%	
Complication rate	7.7%	
Percent patients that reported resolution of indentation/hourglass	65.3%	

Conclusions

- Patients with PD and significant indentation or hourglass deformity demonstrated favorable improvements in penile curvature.
- Xiaflex indications could be expanded to include patients with these deformities.