



Prostate Cancer
Supportive Care

IMPLEMENTING VIRTUAL INTRACAVERNOSAL/ PENILE INJECTION THERAPY (ICI) TRAINING IN A PROSTATE CANCER (PC) SUPPORTIVE CARE PROGRAM

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Introduction & Methods

- The Sexual Health Clinic (SHC) supports prostate cancer (PCa) survivors and their partners.
- Over a two-year period, patients receive seven appointments in which different options for sexual satisfaction are explored, including intracavernosal/penile injection therapy (ICI).
- Since April 2020, sexual health clinicians have provided virtual and in-person ICI training appointments.
- Before each appointment, patients are instructed to review an educational video, ICI instruction booklet, and dosing handout.
- We retrospectively reviewed Patient Reported Outcomes from 74 patients who received ICI training between January 2019 and April 2023.



Results

- 54 received training virtually, and 24 were trained in person.
- Each group's demographics regarding age, education level, ethnicity, and partner information are similar.
- All patients were in heterosexual relationships. The median rating for post-PC treatment erectile function was 0. Most had not trialed ICI before teaching at SHC.
- The median time from the ICI teaching appointment to the follow-up appointment is 3 (1-10) months.

	Virtual, N=54	In-Person, N=24
	Response to ICI, n (%)	
No erection	14 (26)	4 (17)
Penile swelling	5 (9)	6 (25)
Erection firm enough for penetration	35 (65)	14 (58)
Priapism (erection > 4 hours)	1 (2)	0
	Median (range)	
ICI dose, units	15 (1-80)	12 (5-100)
Best duration of erection, minutes	30 (0-240)	25 (0-240)
Median overall satisfaction rating, 0-10 scale (range)	3 (0-6) Unknown 11	2 (0-6) Unknown 1

- Overall outcomes, ICI dose, best erection duration, and satisfaction rates were similar between groups.

Discussion and Conclusion

- **Clinical outcomes with ICI training in the virtual format do not appear to differ from those in person.**
- Patient satisfaction with ICI is better than other erectile aid options in each group but *is still low*.
- In the future, we will prospectively assess ICI usage and outcomes at 3, 6, and 12 months after ICI training to determine treatment adherence, complications, and long-term patient satisfaction with ICI training across the different delivery methods.