

APPENDIX

A. Implant Cohort Survey questions

Question 1: How long has it been since your penile implant surgery?

Answer <1 year, 1-5 years, >5 years

Question 2: Please rate the importance of the following factors associated with penile implants.
(1=least important, 5= most important)

Answers:

- 1) Maintenance of penile length (having the same size of penis before and after surgery)
- 2) Ability to use penis for sexual activity (oral sex, masturbation, intercourse)
- 3) Appearance of penis
- 4) Natural feel of penis
- 5) Softening of glans of penis (head of the penis)
- 6) Complications from surgery (bleeding, infection)
- 7) Concealment of implant appearance
- 8) Ability to generate erection discretely

Question 2: On a scale of 1-10 with 10 being the firmest erection, how hard of an erection were you able to maintain prior to penile implant surgery

Answers: 1-10

Question 3: How satisfied (overall) are you with your penile implant on a scale from 1(not satisfied at all) to 10 (fully satisfied)?

Answers: 1-10

Question 4: How satisfied are you with the ability to achieve sexual function with your implant on a scale from 1(not satisfied at all) to 10 (fully satisfied)?

Answers: 1-10

Question 5: Having gone through penile implant surgery would you make the same choice to undergo surgery again if you could go back prior to your surgery?

Answers: Yes, No, Unsure

Question 6: If you needed a replacement implant, how likely would you be to use a penile implant device controlled by an app on your smart phone?

- 1) Very likely
- 2) Somewhat likely
- 3) Somewhat unlikely
- 4) Very unlikely

B. ED Cohort Survey Questions

Question 1: On a scale of 1-10, with 10 being the firmest erection, how good of an erection are you able to maintain currently?

Answer: 1-10

Question 2: What current therapies are you using to help attain erections? (select all that apply)

- 1) Oral medications such as Viagra, Cialis
- 2) Penile injection therapies
- 3) Constrictive bands, vacuum devices
- 4) No therapies

Question 3: If you were to undergo surgery for a penile implant to gain erections, can you rank the importance of the following factors to you (1 =least important, 5=most important)

Answers:

- 1) Maintenance of penile length (having the same size of penis before and after surgery)
- 2) Ability to use penis for sexual activity (oral sex, masturbation, intercourse)
- 3) Appearance of penis after surgery
- 4) Natural feel of penis after surgery
- 5) Softening of glans of penis (head of the penis) that can occur after surgery
- 6) Complications from surgery (bleeding, infection)
- 7) Concealment of implant appearance
- 8) Ability to generate erection discretely

Question 4: On a scale from (1-not likely) to 10 (very likely) how would you rank your willingness to undergo penile implant surgery should all other medical therapies fail to allow you to attain an erection?

Answer: 1-10

Question 5: How likely would you be to use a penile implant device controlled by an app on your smart phone?

- 1) Very likely
- 2) Somewhat likely
- 3) Somewhat unlikely
- 4) Very unlikely

C. Urologist Cohort Survey Questions

Question 1: How many years have you been in practice?

Answers: <5 years, 5-10 years, 10-15 years, >15 years

Question 2: Did you complete a fellowship that included penile prosthetic training?

Answers: Yes, No

Question 3: How many penile implants do you perform a year?

Answers: <5, 5-10, 10-15, >15

Question 4: What is the main type of penile implant that you implant?

Answers: Malleable, 2-piece inflatable, 3-piece inflatable

Question 5: Please rate the following factors surrounding what you perceive to be the most important to your patients that undergo penile implant surgery? (1=least important, 5= most important)

Answers:

- 1) Maintenance of penile length (having the same size of penis before and after surgery)
- 2) Ability to use penis for sexual activity (oral sex, masturbation, intercourse)
- 3) Appearance of penis
- 4) Natural feel of penis
- 5) Softening of glans of penis (head of the penis)
- 6) Complications from surgery (bleeding, infection)
- 7) Concealment of implant appearance
- 8) Ability to generate erection discretely

Question 6: What are your least favorite aspects of penile implant surgery in your practice?
Select all that apply.

- 1) Risk of reservoir complication
- 2) Risk of cylinder complication
- 3) Patient Satisfaction after surgery
- 4) Post-operative infection
- 5) Surgical time
- 6) Post-operative teaching & care

Wong J, et al. Underrecognized factors affecting penile implant satisfaction in patients

- 7) Placement of Cylinders
- 8) Placement of Reservoir
- 9) Placement of Pump

Question 7: What do you think would be the most impactful innovations to next generation penile implants?

- 1) Elimination of fluid reservoir
- 2) Elimination of scrotal pump to activate implant
- 3) Further reducing infection risk
- 4) More accurate cylinder sizing
- 5) More reliable materials
- 6) More naturally feeling materials
- 7) More natural mechanism for patients to generate the erection