



## APPENDIX A

Table 2 International Index of Erectile dysfunction

International Index of Erectile Function			
Precede all questions listed below with the phrase, "Over the past 4 weeks, ..." Use the scale to the right of each question in determining response.			
Questions	Response options	Questions	Response options
Q1. How often were you able to get an erection during sexual activity?	0 = No sexual activity 1 = Almost never/never	Q8. How much have you enjoyed sexual intercourse?	0 = No intercourse 1 = No enjoyment 2 = Not very enjoyable 3 = Fairly enjoyable 4 = Highly enjoyable 5 = Very highly enjoyable
Q2. When you had erections with sexual stimulation, how often were your erections hard enough for penetration?	2 = A few times (much less than half the time) 3 = Sometimes (about half the time) 4 = Most times (much more than half the time) 5 = Almost always/always	Q9. When you had sexual stimulation or intercourse, how often did you ejaculate?	0 = No sexual stimulation/intercourse 1 = Almost never/never 2 = A few times (much less than half the time)
Q3. When you attempted sexual intercourse, how often were you able to penetrate (enter) your partner?	0 = Did not attempt intercourse 1 = Almost never/never 2 = A few times (much less than half the time)	Q10. When you had sexual stimulation or intercourse, how often did you have the feeling of orgasm or climax?	3 = Sometimes (about half the time) 4 = Most times (much more than half the time) 5 = Almost always/always
Q4. During sexual intercourse, how often were you able to maintain your erection after you had penetrated (entered) your partner?	3 = Sometimes (about half the time) 4 = Most times (much more than half the time) 5 = Almost always/always	Q11. How often have you felt sexual desire?	1 = Almost never 2 = A few times (much less than half the time) 3 = Sometimes (about half the time) 4 = Most times (much more than half the time) 5 = Almost always/always
Q5. During sexual intercourse, how difficult was it to maintain your erection to completion of intercourse?	0 = Did not attempt intercourse 1 = Extremely difficult	Q12. How would you rate your level of sexual desire?	1 = Very low/none at all 2 = Low 3 = Moderate 4 = High 5 = Very high
		Q13. How satisfied have you been with your overall sex life?	1 = Very dissatisfied 2 = Moderately dissatisfied

2 = Very difficult  
 3 = Difficult  
 4 = Slightly difficult  
 5 = Not difficult

**Q14.** How satisfied have you been with your sexual relationship with your partner?

3 = About equally satisfied and dissatisfied  
 4 = Moderately satisfied  
 5 = Very satisfied

**Q6.** How many times have you attempted sexual intercourse?

0 = No attempts  
 1 = One to two attempts  
 2 = Three to four

**Q15.** How do you rate your confidence that you could get and keep an erection?

1 = Very low  
 2 = Low  
 3 = Moderate  
 4 = High  
 5 = Very high

attempts  
 3 = Five to six attempts  
 4 = Seven to 10 attempts  
 5 = More than 11 attempts

**Q7.** When you attempted sexual intercourse, how often was it satisfactory to you?

0 = Did not attempt intercourse  
 1 = Almost never/never  
 2 = A few times (much less than half the time)  
 3 = Sometimes (about half the time)  
 4 = Most times (much more than half the time)  
 5 = Almost always/always

SCORING					
Domain:	Erectile function	Intercourse satisfaction	Orgasmic function	Sexual desire	Overall satisfaction
Questions:	1. _____ 2. _____ 3. _____ 4. _____ 5. _____ 15. _____	6. _____ 7. _____ 8. _____	9. _____ 10. _____	11. _____ 12. _____	13. _____ 14. _____
<b>Total score</b>	(1-30)	(0-15)	(0-10)	(2-10)	(2-10)

The IIEF is a validated tool designed for detecting treatment-related responses in patients with erectile dysfunction. In addition, the IIEF provides a broad measure of sexual function. As such, it should be viewed as an adjunct to, rather than a detailed sexual history [118].

**APPENDIX B****LIST OF SOLUTIONS AND BUFFERS****1. HEPES-buffered physiological salt solution (HPSS)**

140 mM NaCl, 5 mM KCl, 2 mM CaCl<sub>2</sub>, 1 mM MgCl<sub>2</sub>, 5 mM HEPES, 11 mM glucose were dissolved in distilled water in a final volume of 1,000 ml. The solution was adjusted to pH 7.4 stored at 4°C.

**2. 10x Phosphate buffered saline**

80 g of NaCl, 2 g of KCl, 11.5 g of Na<sub>2</sub>HPO<sub>4</sub>, 2 g of KH<sub>2</sub>PO<sub>4</sub> were dissolved in distilled water in a final volume of 1,000 ml. The solution was stored at room temperature.

**3. 4% Formaldehyde**

Formaldehyde 20 g was dissolved in phosphate buffered saline in a final volume of 500 ml. The solution was prepared at 60°C in water bath.

**4. 0.5 M Sucrose in phosphate buffered saline**

Sucrose 171.15 g was dissolved in phosphate buffered saline in a final volume of 1,000 ml. The solution was stored at room temperature.

**5. Citrate Buffer**

Dissolve 1.47 g of sodium citrate in 50 ml distilled water. Test pH with pH meter, adjust buffer to 4.5 pH. Buffer should be made fresh with every group of injections. Place appropriate amount of buffer into a sterile conical tube.