





APPENDIX A

INTERNATIONAL INDEX OF ED [45]

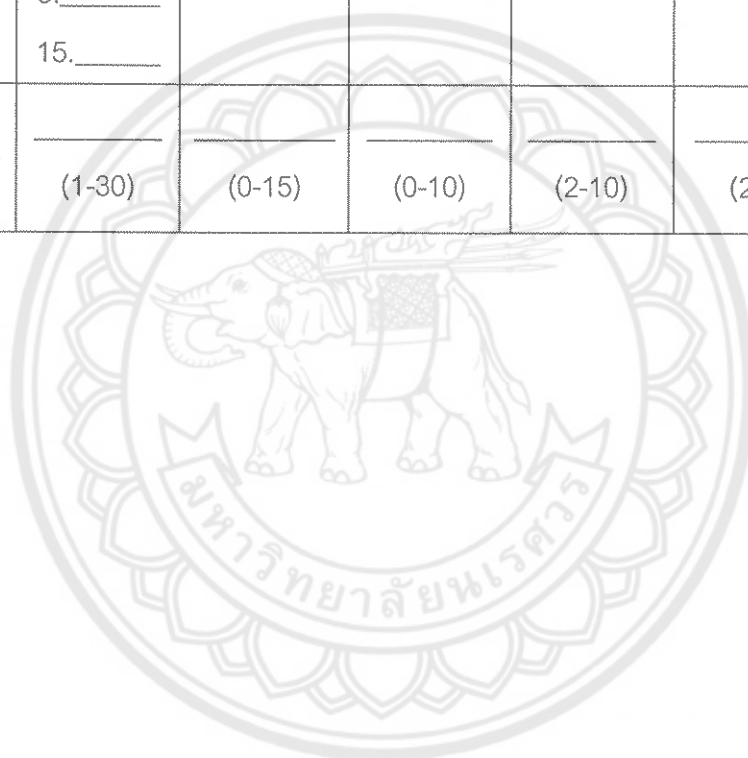
International Index of Erectile dysfunction			
Precede all questions listed below with the phrase, "Over the past 4 weeks" Use the scale to the right of each question in determining response.			
Questions	Response options	Questions	Response options
Q1. How often were you able to get an erection during sexual activity?	0 = No sexual activity 1 = Almost never/never	Q5. During sexual intercourse, how difficult was it to maintain your erection to completion of intercourse?	0 = Did not attempt intercourse 1 = Extremely difficult 2 = Very difficult 3 = Difficult 4 = Slightly difficult 5 = Not difficult
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		
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	Q6. How many times have you attempted sexual intercourse?	0 = No attempts 1 = One to two attempts 2 = Three to four attempts 3 = Five to six

Questions	Response options	Questions	Response options
Q4. During sexual intercourse, how often were you able to maintain your erection after you had penetrated (entered) your partner?	the time) 3 = Sometimes (about half the time) 4 = Most times (much more than half the time) 5 = Almost always/always		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	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
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	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

Questions	Response options	Questions	Response options
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) 3 = Sometimes (about half the time) 4 = Most times (much more than half the time) 5 = Almost always/always	Q13. How satisfied have you been with your overall sex life? Q14. How satisfied have you been with your sexual relationship with your partner?	1 = Very dissatisfied 2 = Moderately dissatisfied 3 = About equally satisfied and dissatisfied 4 = Moderately satisfied 5 = Very satisfied

Questions	Response options
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

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._____
<i>Total score</i>	_____ (1-30)	_____ (0-15)	_____ (0-10)	_____ (2-10)	_____ (2-10)





APPENDIX B

LIST OF SOLUTIONS AND BUFFERS

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1. HEPES- buffered physiological salt solution (HPSS)

140 mM NaCl, 5 mM KCl, 2 mM CaCl_2 , 1 mM MgCl_2 , 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. TCM 199 medium

Dissolved TCM-199 powder for 1 L and 3.50 g NaHCO_3 in deionized water in a final volume of 1,000 ml. The solution was sterile-filtered and stored at 4°C.

3. 10% formaldehyde

Formaldehyde 10 g was dissolved in distilled water in a final volume of 100 ml. The solution was stored at -20°C.

4. 10% buffered formalin solution

Dissolved 4 g of sodium phosphate monobasic and 6.5 g of sodium phosphate dibasic in distilled water 900 ml. Add 100 μl of 40% formalin in a final volume to 1,000 ml



APPENDIX C

Publications from the Study

1. Tocharus, C., Smitasiri, Y. & Jeenapongsa, R. (2006). *Butea superba* Roxb. enhances penile erection in rats. To be published in *Phytotherapy Research* Accepted on January 26, 2006.
2. Tocharus, C., Jeenapongsa, R., Teakthong, T. & Smitasiri, Y. (2005). Effects of long-term treatment of *Butea superba* on sperm motility and concentration. Naresuan University Journal, 13, 11-17.
3. Tocharus, C., Smitasiri, Y., Ingkaninan, K., Pisutthanan, S. & Jeenapongsa, R. (2002) Effects of *Butea superba* Roxb. on intracavernous pressure in rats. The 1st Graduate Research Symposium, the Pharmaceutical Education Development Consortium (oral presentation), Naresuan University, Phitsanulok, Thailand, 19 August 2002, Text and General Publication, p 8.
4. Tocharus, C., Smitasiri, Y. & Jeenapongsa, R. Acute and chronic toxicity studies of *Butea superba* (submitted).