

Opinion

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External Penile Prosthesis that can be Easily made in a Few Minutes

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Abstract

This article proposes a simple external penile prosthesis called an erection band, which can be easily made in a few minutes.

Keywords: Erectile Dysfunction; External Penile Prosthesis

Introduction

As a potential option for the treatment of erectile dysfunction, external penile prosthesis (EPP) has received a lot of attention in recent years [1]. However, so far, no EPP has been widely used. The existing hard EPP can cause vaginal foreign body sensation, so most women do not accept it [2]. In order to improve the overall satisfaction of women, the author recently proposed a new type of flexible band EPP [3]. But it is too thick and may fall off during intercourse. This article introduces a simpler, thinner and more

reliable band EPP, called an erection band, which consists of only a strip of white cardboard pasted on medical silicone tape or strapping, as shown in (Figure 1). The width of the paper strip is generally 4-6cm and the length is 12-14cm. The erection band is very convenient to use. Just stick it and wrap it tightly on the shaft of the penis, as shown in Figure 1(d), and wear a condom to prevent the paper strip from getting wet. The only problem is that the pubic hair may be stuck. To avoid the trouble caused by pubic hair, it is best to cut it short or shave it off.

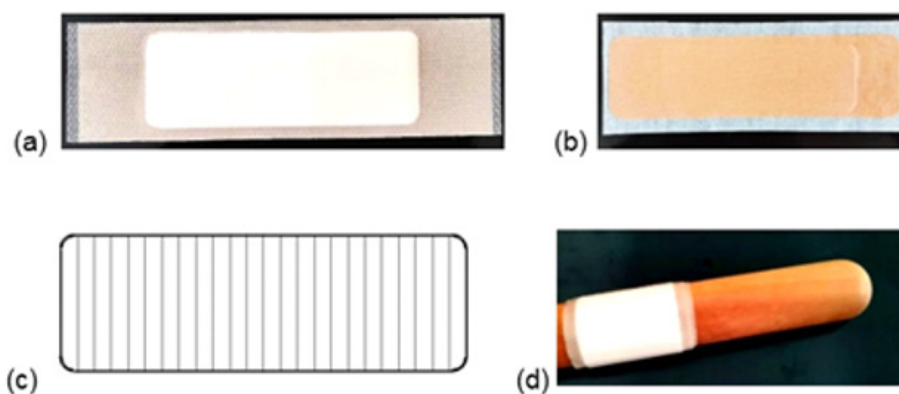


Figure 1: Erection Band Paper size: 4cm×12cm.

(a) Based on silicone tape. (b) Based on strapping tape. (c) A strip of paper with parallel creases. (d) Stick and wrap around the penis.

The thickness of the erection band is less than 1mm. However, due to the use of paper strips, the carrying capacity is strong. The actual test shows that the paper strip of 300gsm can bear a weight of more than 5kg when rolled up. The erection band obviously has good size adaptability. No need to customize for individual patients. In fact, the paper strip length of 12-14cm is suitable for all patients whose penis diameter is less than 40mm. The production of erection bands is very easy. In fact, it only takes a few minutes. But 300gsm thick paper may be a bit stiff. In order to make it more flexible, it is best to prepare paper strips with parallel creases, as shown in Figure 1(c). Since it is easy for doctors to DIY erection bands, the author hopes that this article will facilitate clinical trials of this kind of erection bands. The author also believes that the erection band will be accepted by most patients and their partners.

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Disclosure

The author declares no conflict of interest in preparing this article. This study is the author's independent research. There is no any interest to disclose.

References

1. Wassersug R, Wibowo E (2017) Non-pharmacological and non-surgical strategies to promote sexual recovery for men with erectile dysfunction. *Transl Androl Urol* 6(Suppl 5): 776-794.
2. Mingguang Yi (2019) An improved external penile support. *AME Med J* 4: 9.
3. Mingguang Yi (2021) A Practical External Penile Prosthesis. *Am J Biomed Sci & Res* 12(5): 489-490.