



Opinion

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An Improved External Penile Prosthesis

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Abstract

Current external penile supports and prostheses are almost perfect in design and technology. However, their applications are still very limited because they make most women uncomfortable during intercourse. In order to improve women's overall satisfaction, this article proposes an improved external penile prosthesis, namely the External Penile Prosthesis Band (EPPB), which consists of a double-layer cloth and a set of embedded metal wire loops.

Keywords: Erectile Dysfunction, External Penile Prosthesis

Opinion

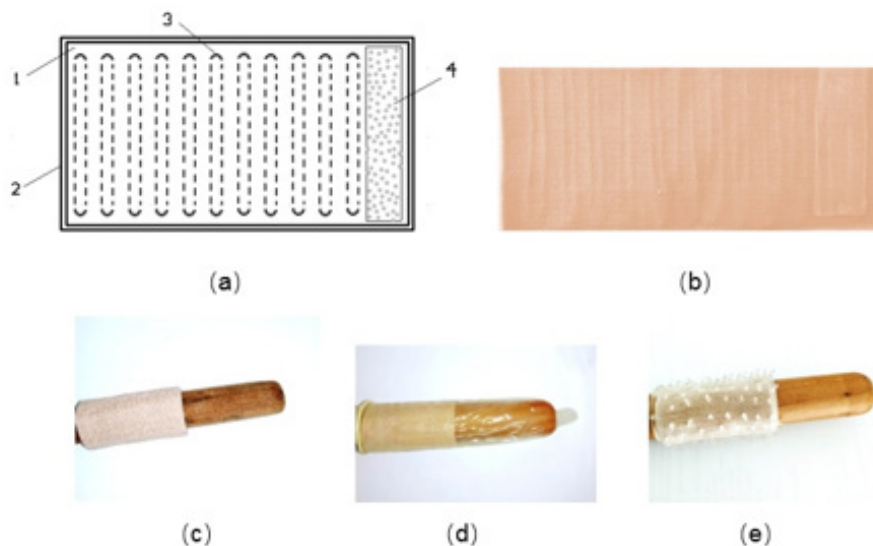


Figure 1: External penile prosthesis band (EPPB).

- a) The structure of EPPB: 1,2- double-layer cloth; 3 – metal wire loop; 4 – sticker area,
- b) EPPB sample with a size of 130mmX60mm,
- c) wrapped around the penis,
- d) covered with a condom,
- e) covered with a penis sleeve.

The current external penile supports and prostheses are almost perfect in design and technology [1,2]. However, they are still not accepted by most women because their rigid support rods make most women uncomfortable during sexual intercourse. In order to improve the overall satisfaction of women, this article proposes an improved external penile prosthesis, namely the External Penile Prosthesis Band (EPPB). Figure 1a shows the structure of EPPB, which consists of a double-layer cloth and a set of embedded metal wire loops [3]. In fact, EPPB is a soft band. However, when it is wrapped around the penis, it can provide more than 1kg of longitudinal support. For patients with moderate Erectile Dysfunction (ED), the length of the penis support area required to penetrate the vagina is about 40mm, and for patients with severe ED, it is about 60mm. Figure 1b shows a typical EPPB sample. Its size is 130mmX-60mm. Obviously, it has good size adaptability. In fact, it is suitable for all patients whose penis diameter is less than 40mm. EPPB is very easy to use. Just wrap it on the penis, as shown in Figure 1c, and then put on a condom to prevent it from loosening and cover the rough surface of the fabric, as shown in Figure 1d. In order to expose more of the penis area, it is best to cover the EPPB with a piece of penis sleeve, as shown in Figure 1e. The shape of the EPPB in use is an ordinary cylindrical shape, which can greatly reduce foreign body sensation in women during intercourse.

Compared with the existing penile support, EPPB covers a larger penis area, so the overall satisfaction of patients will be slightly reduced. However, in order for women to accept it, it is worth it. EPPB can also be used in patients with premature ejaculation. However, in order to reduce the sensitivity of the penis, the height of EPPB needs to be increased to cover more penis area. The reasonable EPPB size is 130mmX80mm.

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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.

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