

ABSTRACT OF THE DISCLOSURE

The present invention relates to an elastic tongue-dorsum retraction device for treating obstructive sleep apnea/hypopnea syndrome (OSAHS), clamping pliers, installation pliers, a line guide, and an implantation method. The elastic tongue-dorsum retraction device of the present invention includes a tongue dorsum connection mechanism, an elastic retractor and a tooth-side fastener. The tongue dorsum connection mechanism is disposed at the tongue dorsum portion, the tooth-side fastener is fixed to teeth or the alveolar bone or outside the maxilla and mandible lips, one end of the elastic retractor is connected to the tooth-side fastener, and the other end of the elastic retractor is connected to the tongue dorsum connection mechanism. In this way, an elastic retraction device using the tooth-side fastener as a fulcrum is formed. By pulling up the sagging tongue root forward, stenosis and obstruction of the airway at the glossopharyngeal portion are prevented, thereby providing a function of treating snoring and OSAHS. Since the elastic retractor exerts an elastic retraction force on the tongue dorsum portion, the movement of the tongue tip is not affected when the tongue root is properly pulled up, so that a clear language function and an adequate swallowing function can be maintained, and not only the airway at the glossopharyngeal portion is enlarged, but also good comfort is provided. In addition, the present invention further discloses clamping pliers, installation pliers and a line guide for use together with the elastic tongue-dorsum retraction device, and an implantation method of the elastic tongue-dorsum retraction device.