

ABSTRACT

IMPLANTED TONGUE PULLING DEVICE, PULL PLATE, PULL LINE, RETRACTOR AND METHOD

An implanted tongue pulling device including a pull plate, a pull line, a retractor and a method thereof are provided. The tongue pulling device is implanted in the mandible and tongue of a human body, respectively, for tightening the tongue dorsum and/or the tongue base for treating obstructive sleep apnea/hypopnea syndrome (OSAHS). At least three pull lines are used for positioning the pull plate, which is a flat object implanted beneath the tongue dorsum and/or the mucous membrane of the tongue base and includes through holes for the growth of tissues and pull line fixing mechanisms. The pull line includes a draw line and a sleeve. The retractor includes a casing, a control switch and a pull line fixing device mounted on the casing. A patient after surgery can adjust the tightening extent of the implanted tongue pulling device by pressing the skin outside the control switch, thereby preventing OSAHS.

Figure 1