

ABSTRACT OF THE DISCLOSURE

The present invention provides a method for generating an adjusted distance of a sleep respiratory tract, and a software, an apparatus system and a computer readable recording medium thereof. The method includes the steps of: reading a first medical image; establishing a first respiratory tract model; performing a first breath simulation; reading a second medical image; establishing a second respiratory tract model; performing a second breath simulation; and calculating an adjusted distance. With the implementation of the present invention, a correct generated distance of the adjusted distance of the sleep respiratory tract is provided according to the established models and the results of the breath simulation when the patient's respiratory tract tomography is read twice respectively. Besides, the adjusted distance of the sleep respiratory tract can be used as a reference for adjusting a sleep respiratory brace and for doctors in a lower jaw corrective surgery.

Figure 1B