

Boussignac Continuous Positive Airway Pressure for Postoperative Hypoxia : A Case Report

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Abstract : This report presents the case of a postoperative patient whose hypoxemia improved after the application of Boussignac continuous positive airway pressure (B-CPAP). A 72-yr-old male underwent an above the knee amputation due to arteriosclerosis obliterans. The SpO₂ decreased to 91% after the operation while he was breathing oxygen-enriched air (O₂ 10 L/min) via a Venturi mask. Continuous positive airway pressure of 5 cmH₂O with a B-CPAP device increased the SpO₂ to 100% in one minute. The patient received B-CPAP for one hour ; then B-CPAP was withheld. The SpO₂ was 97% while he was breathing oxygen-enriched air (O₂ 10 L/min) via a Venturi mask. The SpO₂ did not decrease after that time.

Key words : Boussignac CPAP, Atelectasis, General anesthesia