



Hillrom™

Case Study:
IMPROVED AERATION DURING
VENTILATION – BOCCI

THE USE OF THE METANEB® SYSTEM

to improve secretion removal
and reverse atelectasis

OVERVIEW

- Post-extubation, patient's chest X-ray (CXR) revealed increased infiltrates at the lung bases and pronounced left lung volume loss.
- Continuous high-frequency oscillation (CHFO) therapy with bronchodilators was administered every 4 hours.

80 year-old postoperative
thoracoscopic surgery
patient

OUTCOMES

8 hours after initiation of oscillation and lung expansion (OLE) therapy with The MetaNeb System and after only 2 treatments, breath sounds improved and supplemental oxygen decreased to 6 Lpm while maintaining SpO₂ of 97-100%.

Follow-up CXRs revealed improved aeration.

EVIDENCE

The MetaNeb System was shown to be an effective bronchial hygiene tool and demonstrated the ability to deliver effective bronchial hygiene without complications.



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For more information, please contact your Hillrom sales representative at 1-800-426-4224.

respiratorycare.hill-rom.com

References

¹ Bocci M, Garcia J, Timon B, et al. A case study: the use of MetaNeb to improve secretion removal and reverse atelectasis. The Science Journal of the American Assoc for Resp Care. 2006. <http://www.rcjournal.com/abstracts/2006/?id=OF-06-113>. Accessed November 19, 2009.

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