Effect of bronchoalveolar lavage under bronchofibroscope on severe pulmonary infection

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View from specialist: It is creative, and of certain scientific and educational value.

[ABSTRACT] Objective: To observe effect of bronchoalveolar lavage under bronchofibroscope on severe pulmonary infection. Methods: A total of 94 cases with severe pulmonary infection were randomly divided into two groups by half: observation group and control group. All patients were treated by antibiotics and expectorant. Besides, patients in observation group were treated by sputum aspiration and bronchoalveolar lavage under bronchofibroscope; while patients in control group were treated by routine sputum aspiration. Results: There were significant changes in all indexes after treatment in observation group (All $P<0.05$); while no significant changes occurred in control group ($P>0.05$) except respiratory frequency and $PACO_2$. There was significant difference in total efficacy between two groups, ($P<0.05$). Conclusions: Bronchoalveolar lavage under bronchofibroscope can improve respiratory tract symptoms and ventilation function. It can increase cure rate and is effective treatment for pulmonary infection.

[KEY WORDS] Bronchofibroscope; Bronchoalveolar lavage; Severe pulmonary infection