Title: CLINICAL INVESTIGATION OF HIGH DOSAGE METHYLPREDNISOLONE ON THERAPY OF BRONCHIOLITIS COMPPLICATED ACUTE RESPIRATORY FAILURE

Author(s): Huang Ying, Peng Donghong, Li Qubei

Institution: Division of Respiratory Disorders, Children’s Hospital, Chongqing University of Medical Sciences,

Address: Chongqing (400014), China.

Tel: 86-23-63624074 Fax: 86-23-63624479

Email: emliu186@hotmail.com

OBJECTIVE: The clinical effects and safety of high dosage Methylprednisolone (MPS) on therapy of bronchiolitis complicated acute respiratory failure were evaluated.

METHODS: We selected 100 cases of bronchiolitis. 45 cases were complicated acute respiratory failure. Two groups were divided randomly. Compared with control group, MPS treatment group were given high-dosage MPS with 2-3mg/kg besides regular treatment. Wheeze, short breath, cyanosis and lung sign were investigated. Arterial blood gases, the times of artificial sputum suction and the hospitalization date were evaluation as well.

RESULTS: Whatever the recovery in wheeze, short breath, cyanosis, lung sign and arterial blood gases of MPS group was prior to the control group (p<0.01). The times of artificial sputum suction and hospitalization date of MPS treatment group was significantly less than that of control group (p<0.01).

CONCLUSION: It appeared remarkable clinical effect of high-dosage MPS on treatment bronchiolitis complicated acute respiratory failure.