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"Cromoglycate: A healing agent in acute Chlorine-induced lung damage "

"Pipelzadeh MH, Koocheck MH, Ali Karami M "



Abstract:

In the present study the effectiveness of sodium cromoglycate in treatment of alveolar damage induced by chlorine gas in rats was investigated. Chlorine was generated by chemical interaction between potassium permanganate and concentrated hydrochloric acid. The rats were exposed to sublethal dose of chlorine gas. Treatment with 2.5 mg of 1 ml nebulized sodium cromoglycate solution over 5 minutes was initiated 30 minutes after exposure followed by twice daily treatment for 21 days. Results of this study show that cromoglycate reduced alveolar thickness, septal rupture, hemorrhage and detachment of the epithelial lining of the bronchioles induced by chlorine gas.

Keywords:

[Chlorine gas](#) . [Lung damage](#) . [Sodium cromoglycate](#)

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