Curative outcomes of children with severe pneumonia complicated with heart failure

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

[ABSTRACT] Objective: To analyze rescue measures for severe pneumonia in children and to analyze the curative effects.

Methods: Data of 148 children with severe pneumonia complicated with heart failure were retrospectively analyzed. And these children were randomly divided into control group (n=70) and treatment group (n=78). The control group was given conventional therapy including keeping respiratory tract unobstructed, oxygen inhalation, cardiotonic agents, diuresis, antibiotics. The treatment group was given phenolamine and alamine. Then the control group was subdivided into conventional nursing group (group I, n=34 cases) and standardized nursing group (group II, n=36 cases). The treatment group was also subdivided into conventional nursing group (group III, n=38 cases) and standardized nursing group (group IV, n=40 cases). For standardized nursing groups, admission assessment, emergency care, nutrition supplier, counterpart measures to complications were applied based on conventional nursing measures. Results: After treatment, improvements in breath rate, heart rate, CK-MB, and enlarged liver size were obvious in all groups, but the differences were not significant (P>0.05). The curative effects of group II, III and IV were all better than that of group I, but no significant difference (P>0.05) was found except for group IV (P<0.05). Conclusions: Phenolamine combining with alamine and standardized nursing measures can improve curative rate indicating effective drugs combing with nursing measures are necessary for severe pneumonia in children.

[KEY WORDS] Children with severe pneumonia; Heart failure; Phenolamine; Alamine; Standardized nursing measures