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A comparison of the effectiveness of transtracheal heating and humidification system in maintaining body temperature during general anesthesia with low flow gases

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Résumé / Abstract

We evaluated the effectiveness of transtracheal heating and humidification system in maintaining body temperature during general anesthesia with low flow gases in 12 gastric cancer patients. Patients were divided into two group ; Control group A in which a hot-water circulating system was used and group B in which a transtracheal heating and humidification system by ANAMED HUMITUBE® was used, during gastric cancer operation. Compared to the hot-water circulating system, the transtracheal heating and humidification system is more effective for maintaining body temperature and humidification after abdominal lavage by warm saline water. But there was no difference between the two groups about awakening from general anesthesia. We concluded that transtracheal heating and humidification system by ANAMED HUMITUBE® is effective in maintaining body temperature under general anesthesia with low flow gases.

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