Effect of percutaneous transhepatic gallbladder drainage on acute cholecystitis

LI Zheng-qi, CHEN Ling-li
(Department of General Surgery, General Hospital of Yimei Group Company, Yima 472300, China)

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[Author]: LI Zheng-qi (1972-), Male, Sanmenxia Henan, Attending Physician, M. B. , Tel: 13938119921, Email: 605781973@qq.com.
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View from specialist: It is creative, and of certain scientific and educational value.

[ABSTRACT] Objective: To investigate effect of percutaneous transhepatic gallbladder drainage (PTGD) on acute cholecystitis. Methods: A total of 120 cases with acute cholecystitis, admitted from January 2009 to May 2011 were randomly divided into trial group and control group. Patients in the control group were treated by traditional cholecystectomy, and patients in the observation group by PTGD treatment. Clinical curative effect was observed and compared. Results: The cure rate was 96.7%, administration time of antibiotic was (4.1±1.9) d, the incidence of complications was 0.0%, mortality was 0.0%, and the length of hospital stay was (18.2±3.2) d in observation group. In the control group these indexes were 90.0%, (6.4±2.1) d, 20.0%, 10.0%, (23.7±4.6) d, respectively. There was no significant difference in cure rate between two groups (P>0.05). Administration time of antibiotic and length of hospital stay were significantly shorter in observation group, incidence of complications and mortality was significantly lower than the control group (P<0.05). Conclusions: PTGD is effective on the treatment of acute cholecystitis, and can obviously reduce the incidence of complications and mortality. It is worthy of clinical promotion.

[KEY WORDS] PTGD; Acute cholecystitis; Curative effect; Drainage