Effects of dezocine combined with flurbiprofen analgesia regimens on postoperative stress reaction and TXA2, GMP-140 content of patients with upper abdominal operation

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[Foundation Project]: It is supported by Clinical Medical Science Research Project of Health Bureau of Wuhan (WZ09DII).

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Received: 2014-10-06 Revised: 2014-10-15

[ABSTRACT] Objective: To study the effect of dezocine combined with flurbiprofen analgesia regimens on postoperative stress reaction and TXA2, GMP-140 content of patients with upper abdominal operation. Methods: 120 cases of patients received upper abdominal operation in our hospital from 2012 March to 2014 March were enrolled and randomly divided into two groups. In observation group patients received dezocine combined with flurbiprofen analgesia scheme, control group received sufentanil analgesia regimens. Then oxidative injury, stress response and platelet activation of two group were compared. Results: Cortisol, epinephrine, norepinephrine, lipid peroxide levels of observation group were lower than those of control group, Cu-Zn superoxide dismutase, glutathione peroxidase levels were higher than those of control group. Platelet activation: plasma thromboxane A2(TXA2), platelet granule membrane protein (GMP-140) of observation group were lower than those of control group. Conclusions: dezocine combined with flurbiprofen analgesia regimen is helpful to alleviate oxidative stress, inhibit platelet activation. It’s an ideal analgesia scheme for patients with upper abdominal operation.

[KEY WORDS] Dezocine; Flurbiprofen; Oxidative stress; Platelet activation