

Effect of topical Tranexamic Acid on management of lower urinary tract bleeding in patients presented to emergency department

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Background

Tranexamic acid is used in many situations bleeding usefully. Tranexamic acid reduces deaths from all causes in patients with bleeding from mucous surface of the wound bleeding in several pathological conditions effectively and without systemic side effects and have not used the drug in a report on the use of topical bleeding from the lower urinary tract in emergency, Therefore we conducted this study.

Methods & Materials

This randomized, double-blind study on patients referred to Imam Reza hospital. In this study 50 patients randomly share into two groups of 25 patients (receiving placebo Tranexamic acid) and then injected Tranexamic and placebo into the patients bladder, within 24 hours were examined hemoglobin and urine (blood) and biochemistry.

Results

In this study it was observed that consumption Tranexamic acid decreased significantly consumption serum Washig ($p=0/041$) and the status of microscopic urine from the hematuria side significantly decreased, and would also be clear the appearance of urine from the macroscopic side, but could not be reduce intake p/c and increase hemoglobin level.

Conclusion

this study showed that Tranexamic acid could be significantly clear the urine and decrease the use of washing serum But had no effect on hemoglobin levels.

Keywords: *hematuria, Tranexamic acid, Lower urinary tract bleeding*