

## Appearance of Severe Convulsions in Patients Receiving High Doses of Tranexamic Acid During Cardiac Surgery

Ten cases of severe convulsions have been reported in Japan where large doses of Tranexamic Acid (Transamin) were administered for the purpose of hemostasis during cardiac surgery, although the causal relationship is not clear. According to a report by the manufacturer in Japan, Daiichi Sankyo Co., Ltd., particular caution should be exercised when Tranexamic Acid dosage is 8 to 10g, in the elderly, or patients with renal failure, and there are three overseas references suggesting an association between seizures after cardiac surgery and high-dose tranexamic acid administration.

If Tranexamic Acid is used in your facility, please share the information with the surgeon, and confirm its usage.

Main side effects of Tranexamic Acid:

- Bleeding tendency which is thought to be related to systemic hyperfibrinolysis  
(Leukemia, aplastic anemia, purpura, etc., and abnormal bleeding during and after surgery)
- Abnormal bleeding which is thought to be related to local hyperfibrinolysis  
(Pulmonary hemorrhage, epistaxis, genital hemorrhage, renal hemorrhage, abnormal bleeding during and after prostate surgery)