

**Spa bathing activates fibrinolysis in patients with cerebral infarction.****Deguchi A; Deguchi K; Shimura M; Ohnishi K; Hamaguchi H; Kawamura Y; Wada H; Murashima S; Nishikawa M; Shirakawa S****Intern Med 1993 Aug;32(8):619-22**

The effects of spa bathing on blood coagulation and fibrinolysis were studied in 20 patients with chronic cerebral infarction. Blood was obtained before and after a 10-minute period of spa bathing at 41 degrees C. Prothrombin time, activated partial thromboplastin time, fibrinogen, factor VIII activity, von Willebrand factor activity, and antithrombin III activity did not show significant changes after bathing, but euglobulin lysis time was significantly reduced (p 0.01) and fibrin lysis activity was increased (p 0.05). These findings suggest that spa bathing activates fibrinolysis without markedly changing blood coagulation in patients with chronic cerebral infarction. It is thought that the activation of fibrinolysis without the activation of coagulation has a favorable effect on blood circulation. The results of fibrin-plate assays using C1 inactivator indicated that tissue-type plasminogen activator was the major contributor to the activation of fibrinolysis during spa bathing.

LA - English

RN - 0 (Complement 1 Inactivators); 9001-91-6 (Plasminogen)