

Deep Vein Thrombosis in Acute Stroke Patients

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ABSTRACT

DVT (Deep Vein Thrombosis, DVT) referring to the leg vein thrombosis, is a common complication of acute stroke patients. Usually non-routine prophylaxis is associated with a high mortality rate of pulmonary embolism (Pulmonary embolism, PE). Both the D-dimer blood test and ultrasonography of the lower extremities were applied for the clinical diagnosis. In Asia there is not enough research and regular preventive approach for DVT, this research explored the ischemic and hemorrhagic acute stroke patients with deep vein thrombosis incidence from Changhua Christian Hospital. 19 of 136 acute stroke patients with deep vein thrombosis (14.0%), one-way anova analysis with and without deep vein thrombosis in two groups of patients, D-dimer ($P = 0.025$), age > 80 years ($P = 0.041$), anticoagulants ($P = 0.041$), showed significant statistical difference. The binary regression analysis showed that independent predictors of deep vein thrombosis are: age > 80 years (odds ratio = 4.23, $P = 0.017$) and D-dimer (odds ratio = 1.03 per 100 ng / mL, $P = 0.041$). The results showed that acute stroke patients had a significant risk of deep vein thrombosis rate, and age > 80 years and D-dimer can be considered as the independent predictors of deep vein thrombosis diagnosis.

Keywords : stroke、 deep vein thrombosis、 D-dimer

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