



碑
()
()
()
Bollinger

/

)

(

()

X^2

% /

% /

% /

% /

% /

% /

(-)

.(/ / / - (p = /)
% / - %) (% /)
.(% (%) (% /)
% / % /
% / % /
% / % /
% / % / % /
% / % /
p
/ / /)
(-) -

Archive of SID

% /
% /
% /

- . ()
 . () . ()
 -
 . ()
 % -
 . ()
 -
 . ()
 -
 . ()
 % (mu) g / lit III % / % /
 - . % /
 PTT PT . () % / % / (% / % % /)
 . () . () (% /)
 . () . ()
 . () . ()
 . ()
 . ()

References:

- 1- Brian T., Andrews Judson J.A.: Management of Delayed Posttraumatic Intracerebral hemorrhage. Contemporary Neurosurgery, 1988; 3 - 4.
- 2- Stein S.C., Young G.S., Talucci, Greenbaum Ross S.E.: Delayed Brain Injury after Head Trauma: Significance of Coagulopathy. Neurosurgery, 1992; 30: 160 - 165.

- 3- Alberico A.M., Ward J.D., Choi Marmarou A., Young H.F.: Outcome after Severe Head Injury. Relationship to Mass Lesions, Diffuse injury, and ICP Course in Pediatric and Adult Patients. Chicago, Ame. Association of Neurological Surgeons, 1999; 42: 1245- 249.
- 4- Touho H., Hirakawa K., Hino A., Karasawa J., Ohno Y.: Relationship between Abnormalities of Coagulation and Fibrinolysis and Postoperative Intracranial Hemorrhage in Head Injury. Neurosurgery, 1986; 19: 523 - 531.
- 5- Kearney T.J., Bentt L., Grode M., Lee S., Hiatt J.R.: Coagulopathy and Catecholamines in Severe Head Injury. J. Trauma, 2001; 32: 608 - 611.
- 6- Kushimoto, Shigeki M.D., Yamamoto, Yasuhiro M.D., Shibata, Yasushi M.T., Sato, Hidetaka M.D.: Implications of Excessive Fibrinolysis and Alpha 2- plasmin Inhibitor Deficiency in Patients with Severe Head Injury. J. of Neurosurgery, 2001; 49:1084-1090.
- 7- Greenberg Mar S.: Handbook of Neurosurgery 5 th ED, 2001; 815 - 829.
- 8- Okajima K., Kohno I., Soe G., Okabe H.: Direct Evidence for Systemic Fibrinogenolysis in Patients with Acquired Alpha 2 - plasmin Inhibitor Deficiency. Am J. Hemtol, 1994; 45:16-24.
- 9- Van der Sande J.J., Veltkamp J.J., Boer khout – Mussert RJ: Head Injury and Coagulation Disorders. Thromb Haemost, 1998 ; 57:111-117.
- 10- Suzuki M., Motohashi O., Nishino A., Shiina V.: Head Injury and Coagulopathy. Neurosurgery, 1986; 49: 357 - 365.
- 11- Bennet B., Raton O.D.: The Normal Coagulation Mechanism. Med Clin North Am, 1992; 56: 95 -104.
- 12- Keimovitz R.M., Annis B.L.: DIC and Massive Brain Injury. J. Neurosurgery, 1993; 58: 170 – 179.
- 13- Becker D.P., Miller J.D., Ward J.D., Greenberg R.P., Young H.F.: The Outcome from Severe Head Injury with Early Diagnosis and Intensive Management. J. of Neurosurgery, 1987; 47: 491-502.
- 14- Aoki N., Saito H., Kamiya T., Koie K: Congenital Deficiency of Alpha 2 - Plasmin Inhibitor Associated with Severe Hemorrhagic Tendency. J. Clin, 1999; 63:877-884.
- 15- Aoki N., Harpel P.C.: Inhibition of Fibrinolytic System. Semin Thromb Hemost,1994; 10: 24 -41.
- 16- Hulka F., Mullins R.J, Frank E.H: Blunt Brain Injury Activates the Coagulation Process. Arch Surg, 1996; 131: 923 - 928.