

Coagulopatía de la enfermedad hepática crónica

Bibliografía

1. Tripodi A. Hemostasis abnormalities in chronic liver failure. In: Gines P, Kamath PS, Arroyo V, eds. Chronic liver failure: mechanisms and management. New York: Springer, 2010:289-303.
2. Ewe K. Bleeding after liver biopsy does not correlate with indices of peripheral coagulation. Dig Dis Sci 1981;26:388-93.
3. McGill DB, Rakela J, Zinsmeister AR, Ott BJ. A 21-year experience with major hemorrhage after percutaneous liver biopsy. Gastroenterology 1990;99:1396-400.
4. Diaz LK, Teruya J. Liver biopsy. N Engl J Med 2001;344:2030.
5. Terjung B, Lemnitzer I, Dumoulin FL, et al. Bleeding complications after percutaneous liver biopsy: an analysis of risk factors. Digestion 2003;67:138-45.
6. Grabau CM, Crago SF, Hoff LK, et al. Performance standards for therapeutic abdominal paracentesis. Hepatology 2004;40:484-8.
7. Segal JB, Dzik WH. Paucity of studies to support that abnormal coagulation test results predict bleeding in the setting of invasive procedures: an evidence-based review. Transfusion 2005;45:1413-25.
8. Boks AL, Brommer EJ, Schalm SW, van Vliet HH. Hemostasis and fibrinolysis in severe liver failure and their relation to hemorrhage. Hepatology 1986;6:79-86.
9. Vieira da Rocha EC, D'Amico EA, Caldwell SH, et al. A prospective study of conventional and expanded coagulation indices in predicting ulcer bleeding after variceal band ligation. Clin Gastroenterol Hepatol 2009;7:988-93.
10. de Boer MT, Molenaar IQ, Hendriks HG, Slooff MJ, Porte RJ. Minimizing blood loss in liver transplantation: progress through research and evolution of techniques. Dig Surg 2005;22:265-75.
11. Bosch J, Thabut D, Bendtsen F, et al. Recombinant factor VIIa for upper gastrointestinal bleeding in patients with cirrhosis: a randomized, double-blind trial. Gastroenterology 2004;127:1123-30.
12. Bosch J, Thabut D, Albillos A, et al. Recombinant factor VIIa for variceal bleeding in patients with advanced cirrhosis: a randomized, controlled trial. Hepatology 2008;47:1604-14.
13. Lodge JP, Jonas S, Jones RM, et al. Efficacy and safety of repeated perioperative doses of recombinant factor VIIa in liver transplantation. Liver Transpl 2005;11:973-9.
14. Planinsic RM, van der Meer J, Testa G, et al. Safety and efficacy of a single bolus administration of recombinant factor VIIa in liver transplantation due to chronic liver disease. Liver Transpl 2005;11:895-900.
15. Lisman T, Bongers TN, Adelmeijer J, et al. Elevated levels of von Willebrand factor in cirrhosis support platelet adhesion despite reduced functional capacity. Hepatology 2006;44:53-61.
16. Feys HB, Canciani MT, Peyvandi F, Deckmyn H, Vanhoorelbeke K, Mannucci PM. ADAMTS13 activity to antigen ratio in physiological and pathological conditions associated with an increased risk of thrombosis. Br J Haematol 2007;138:534-40.
17. Giannini EG, Savarino V. Thrombocytopenia in liver disease. Curr Opin Hematol 2008;15:473-80.
18. Tripodi A, Primignani M, Chantarangkul V, et al. An imbalance of pro- vs anti-coagulation factors in plasma from patients with cirrhosis. Gastroenterology 2009;137:2105-11.
19. Tripodi A, Primignani M, Lemma L, et al. Detection of the imbalance of procoagulant versus anticoagulant factors in cirrhosis by a simple laboratory method. Hepatology 2010;52:249-55.
20. Caldwell SH, Hoffman M, Lisman T, et al. Coagulation disorders and hemostasis in liver disease: pathophysiology and critical assessment of current management. Hepatology 2006;44:1039-46.
21. Lisman T, Leebeek FW, Mosnier LO, et al. Thrombin-activatable fibrinolysis inhibitor deficiency in cirrhosis is not associated with increased plasma fibrinolysis. Gastroenterology 2001;121:131-9.
22. Colucci M, Binetti BM, Branca MG, et al. Deficiency of thrombin activatable fibrinolysis inhibitor in cirrhosis is associated with increased plasma fibrinolysis. Hepatology 2003;38:230-7.
23. Tripodi A, Salerno F, Chantarangkul V, et al. Evidence of normal thrombin generation in cirrhosis despite abnormal conventional coagulation tests. Hepatology 2005;41:553-8.
24. Tripodi A, Primignani M, Chantarangkul V, et al. Thrombin generation in patients with cirrhosis: the role of platelets. Hepatology 2006;44:440-5.
25. Dahlbäck B. Progress in the understanding of the protein C anticoagulant pathway. Int J Hematol 2004;79:109-16.
26. Tripodi A, Chantarangkul V, Mannucci PM. Acquired coagulation disorders: revisited using global coagulation/anticoagulation testing. Br J Haematol 2009;147:77-82.
27. *Idem*. The International Normalized Ratio to prioritize patients for liver transplantation: problems and possible solutions. J Thromb Haemost 2008;6:243-8.

28. Garcia-Tsao G, Bosch J. Management of varices and variceal hemorrhage in cirrhosis. *N Engl J Med* 2010;362:823-32. [Erratum, *N Engl J Med* 2011;364:490.]
29. Montalto P, Vlachogiannakos J, Cox DJ, Pastacaldi S, Patch D, Burroughs AK. Bacterial infection in cirrhosis impairs coagulation by a heparin effect: a prospective study. *J Hepatol* 2002;37:463-70.
30. de Franchis R. Revising consensus in portal hypertension: report of the Baveno V consensus workshop on methodology of diagnosis and therapy in portal hypertension. *J Hepatol* 2010;53:762-8.
31. Noris M, Remuzzi G. Uremic bleeding: closing the circle after 30 years of controversies? *Blood* 1999;94:2569-74.
32. Northup PG, McMahon MM, Ruhl AP, et al. Coagulopathy does not fully protect hospitalized cirrhosis patients from peripheral venous thromboembolism. *Am J Gastroenterol* 2006;101:1524-8.
33. Dabbagh O, Oza A, Prakash S, Sunna R, Saettele TM. Coagulopathy does not protect against venous thromboembolism in hospitalized patients with chronic liver disease. *Chest* 2010;137:1145-9.
34. Søgaard KK, Horváth-Puhó E, Grønbaek H, Jepsen P, Vilstrup H, Sørensen HT. Risk of venous thromboembolism in patients with liver disease: a nationwide population-based case-control study. *Am J Gastroenterol* 2009;104:96-101.
35. Okuda K, Ohnishi K, Kimura K, et al. Incidence of portal vein thrombosis in liver cirrhosis: an angiographic study in 708 patients. *Gastroenterology* 1985;89:279-86.
36. Francoz C, Belghiti J, Vilgrain V, et al. Splanchnic vein thrombosis in candidates for liver transplantation: usefulness of screening and anticoagulation. *Gut* 2005;54:691-7.
37. Amitrano L, Brancaccio V, Guardascione MA, et al. Inherited coagulation disorders in cirrhotic patients with portal vein thrombosis. *Hepatology* 2000;31:345-8.
38. O'Donnell J, Mumford AD, Manning RA, Laffan MA. Marked elevation of thrombin generation in patients with elevated FVIII:C and venous thromboembolism. *Br J Haematol* 2001;115:687-91.
39. Hollestelle MJ, Geertzen HG, Straatsburg IH, van Gulik TM, van Mourik JA. Factor VIII expression in liver disease. *Thromb Haemost* 2004;91:267-75.
40. Lenting PJ, van Mourik JA, Mertens K. the risk of thrombotic events may be greater than the risk of hemorrhage. The life cycle of coagulation factor VIII in view of its structure and function. *Blood* 1998;92:3983-96.
41. Saenko EL, Yakhyayev AV, Mikhailenko I, Strickland DK, Sarafanov AG. Role of the low density lipoprotein-related protein receptor in mediation of factor VIII catabolism. *J Biol Chem* 1999;274:37685- 92.
42. Rockey DC, Caldwell SH, Goodman ZD, Nelson RC, Smith AD. Liver biopsy. *Hepatology* 2009;49:1017-44.
43. Heit JA, Silverstein MD, Mohr DN, Petterson TM, O'Fallon WM, Melton LJ III. Risk factors for deep vein thrombosis and pulmonary embolism: a population-based case-control study. *Arch Intern Med* 2000; 160:809-15.
44. Saleh T, Matta F, Alali F, Stein PD. Venous thromboembolism with chronic liver disease. *Am J Med* 2011;124:64-8.
45. Lisman T, Bakhtiari K, Pereboom IT, Hendriks HG, Meijers JC, Porte RJ. Normal to increased thrombin generation in patients undergoing liver transplantation despite prolonged conventional coagulation tests. *J Hepatol* 2010;52:355-61.
46. Gatt A, Riddell A, Calvaruso V, Tuddenham E, Makris M, Burroughs AK. Enhanced thrombin generation in patients with cirrhosis-induced coagulopathy. *J Thromb Haemost* 2010;8:1994-2000.
47. Delahousse B, Labat-Debelleix V, Decalonne L, d'Alteroche L, Perarnau J-M, Gruel Y. Comparative study of coagulation and thrombin generation in the portal and jugular plasma of patients with cirrhosis. *Thromb Haemost* 2010;104:741-9.
48. Aldawood A, Arabi Y, Aljumah A, et al. The incidence of venous thromboembolism and practice of deep venous thrombosis prophylaxis in hospitalized cirrhotic patients. *Thromb J* 2011;9:1.
49. Kadayifci A, Tan V, Ursell PC, Merriman RB, Bass NM. Clinical and pathologic risk factors for atherosclerosis in cirrhosis: a comparison between NASH-related cirrhosis and cirrhosis due to other aetiologies. *J Hepatol* 2008;49:595-9.
50. Bekker J, Ploem S, de Jong KP. Early hepatic artery thrombosis after liver transplantation: a systematic review of the incidence, outcome and risk factors. *Am J Transplant* 2009;9:746-57.
51. Zocco MA, Di Stasio E, De Cristofaro R, et al. Thrombotic risk factors in patients with liver cirrhosis: correlation with MELD scoring system and portal vein thrombosis development. *J Hepatol* 2009;51:682-9.
52. Primignani M. Portal vein thrombosis, revisited. *Dig Liver Dis* 2010;42:163-70.
53. Valla DC. Thrombosis and anticoagulation in liver disease. *Hepatology* 2008; 47:1384-93.
54. Ponziani FR, Zocco MA, Tortora A, Gasbarrini A. Is there a role for anticoagulants in portal vein thrombosis management in cirrhotic patients? *Expert Opin Pharmacother* 2010;11:1479-87.

55. Zecchini R, Ferrari A, Bernabucci V, et al. Anticoagulant therapy is safe and effective in preventing portal vein thrombosis (PVT) in advanced cirrhotic patients: a prospective randomized controlled study. *J Hepatol* 2010;52:Suppl:S460.
56. Franchini M, Mannucci PM. A new era of anticoagulants. *Eur J Intern Med* 2009; 20:562-8.
57. Tripodi A. Monitoring oral anticoagulant therapy. In: Kitchen S, Olson JD, Preston FE, eds. *Quality in laboratory hemostasis and thrombosis*. Oxford, England: Wiley-Blackwell, 2009:179-89.
58. Connolly SJ, Ezekowitz MD, Yusuf S, et al. Dabigatran versus warfarin in patients with atrial fibrillation. *N Engl J Med* 2009;361:1139-51. [Erratum, *N Engl J Med* 2010;363:1877.]
59. Schulman S, Kearon C, Kakkar AK, et al. Dabigatran versus warfarin in the treatment of acute venous thromboembolism. *N Engl J Med* 2009;361:2342-52.
60. The EINSTEIN Investigators. Oral rivaroxaban for symptomatic venous thromboembolism. *N Engl J Med* 2010;363:2499-510.
61. Wanless IR, Wong F, Blendis LM, Greig P, Heathcote EJ, Levy G. Hepatic and portal vein thrombosis in cirrhosis: possible role in development of parenchymal extinction and portal hypertension. *Hepatology* 1995;21:1238-47.
62. Coughlin SR. Protease-activated receptors in hemostasis, thrombosis and vascular biology. *J Thromb Haemost* 2005;3:1800-14.
63. Fiorucci S, Antonelli E, Distrutti E, et al. PAR1 antagonism protects against experimental liver fibrosis: role of proteinase receptors in stellate cell activation. *Hepatology* 2004;39:365-75.
64. Wright M, Goldin R, Hellier S, et al. Factor V Leiden polymorphism and the rate of fibrosis development in chronic hepatitis C virus infection. *Gut* 2003;52: 1206-10.
65. Anstee QM, Goldin RD, Wright M, Martinelli A, Cox R, Thursz MR. Coagulation status modulates murine hepatic fibrogenesis: implications for the development of novel therapies. *J Thromb Haemost* 2008;6:1336-43.
66. Abe W, Ikejima K, Lang T, et al. Low molecular weight heparin prevents hepatic fibrogenesis caused by carbon tetrachloride in the rat. *J Hepatol* 2007;46:286-94.
67. Iannacone M, Sitia G, Narvaiza I, Ruggeri ZM, Guidotti LG. Antiplatelet drug therapy moderates immune-mediated liver disease and inhibits viral clearance in mice infected with a replication-deficient adenovirus. *Clin Vaccine Immunol* 2007;14:1532-5.