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REFERENCES

1. Kim T, Shijo H, Kokawa H, Tokumitsu H, Kubara K, Ota K, et al. Risk factors for hemorrhage from gastric fundal varices. *Hepatology* 1997; 25: 307-12.
2. Sarin SK, Lahoti D, Saxena SP, Murthy NS, Makwana UK. Prevalence, classification and natural history of gastric varices: a long-term follow-up study in 568 portal hypertension patients. *Hepatology* 1992; 16: 1343-9.
3. Thakeb F, Salem SA, Abdallah M, el Batanouny M. Endoscopic diagnosis of gastric varices. *Endoscopy* 1994; 26: 287-91.
4. Skeens J, Semba C, Dake M. Transjugular intrahepatic portosystemic shunts. *Annu Rev Med* 1995; 46: 95-102.
5. Sanyal AJ, Freedman AM, Luketic VA, Purdum PP, Shiffman ML, Tisnado J, et al. Transjugular intrahepatic portosystemic shunts for patients with active variceal hemorrhage unresponsive to sclerotherapy. *Gastroenterology* 1996; 111: 138-46.
6. Sanyal AJ, Purdum PP 3rd, Luketic VA, Shiffman ML. Bleeding gastroesophageal varices. *Semin Liver Dis* 1993; 13: 328-342.
7. Bornman PC, Krige JE, Terblanche J. Management of oesophageal varices. *Lancet* 1994; 343: 1079-84.
8. Stiegmann GV, Goff JS, Sun JH, Davis D, Silas D. Technique and early clinical results of endoscopic variceal ligation (EVL). *Surg Endosc* 1989; 3: 73-8.
9. Stiegmann GV, Goff JS, Michaletz-Onody PA, Korula J, Lieberman D, Saeed ZA, et al. Endoscopic sclerotherapy as compared with endoscopic ligation for bleeding esophageal varices. *N Eng J Med* 1992; 326: 1527-32.
10. Laine L, El-Newihi HM, Migikovsky B, Sloane R, Garcia F. Endoscopic ligation compared with sclerotherapy for the treatment of bleeding esophageal varices. *Ann. Intern Med* 1993; 119: 1-7.

11. Gimson AE, Ramage JK, Panos MZ, Hayllar K, Harrison PM, Williams R, et al. Randomised trial of variceal banding ligation versus injection sclerotherapy for bleeding esophageal varices. *Lancet* 1993; 342: 391-4.
12. Lo GH, Lai KH, Cheng JS, Hwu JH, Chang CF, Chen SM, et al. A prospective, randomized trial of sclerotherapy versus ligation in the management of bleeding esophageal varices. *Hepatology* 1995; 22: 466-71.
13. Hou MC, Lin HC, Kuo BIT, Chen CH, Lee FY, Lee SD. Comparison of endoscopic variceal injection sclerotherapy and ligation for the treatment of esophageal variceal hemorrhage: a prospective randomized trial. *Hepatology* 1995; 21: 1517-22.
14. Sarin SK, Govil A, Jain AK. Prospective randomized trial of endoscopic sclerotherapy versus variceal band ligation for esophageal varices: influence on gastropathy, gastric varices and variceal recurrence. *J Hepatol* 1997; 26: 826-32.
15. Laine L. Ligation: endoscopic treatment of choice for patients with bleeding esophageal varices? *Hepatology* 1995; 22: 663-5.
16. Ferrari AP, de Paulo GA, de Macedo CM, Araújo I, Della Libera E Jr. Efficacy of absolute alcohol injection compared with band ligation in the eradication of esophageal varices. *Arq Gastroenterol* 2005; 42(2):72-6.
17. Masci E, Stigliano R, Mariani A, Bertoni G, Baroncini D, Cennamo V, et al. Prospective multicenter randomized trial comparing banding ligation with sclerotherapy of esophageal varices. *Hepatogastroenterology*. 1999; 46: 1769-73.
18. Stiegmann GV, Isshi K. Elastic band ligation for bleeding esophagogastric varices. *Hepatogastroenterology* 1997; 44: 620-4.
19. Lo GH, Lai KH, Cheng JS, Huang RL, Wang SJ, Chiang HT. Prevalence of paraesophageal varices and gastric varices in patients achieving variceal obliteration by banding ligation and by injection sclerotherapy. *Gastrointest Endosc* 1999; 49: 428-36.
20. Panás J, Terés J, Bosch J, Rodés J. Efficacy of balloon tamponade in acute hemorrhage from esophagogastric varices: results in 151 consecutive patients. *Dig Dis Sci* 1988; 33: 454-9.
21. Pascal JP, Cales P, Desmorat H. Natural history of esophageal varices. In: Bosch J, Rodes J, editors. *Recent advances in the pathophysiology and therapy of portal hypertension*. Rome: Ares-Serono Symposia. 1989; P: 127.
22. de Franchis R, Primignani M. Why do varices bleed? *Gastroenterol Clin North Am* 1992; 21: 85-101.
23. Graham DY, Smith JL. The course of patients following variceal hemorrhage. *Gastroenterology* 1981; 80: 800-9.
24. Lo GH, Lai KH, Cheng JS, Lin CK, Huang JS, Hsu PI, et al. The additive effect of sclerotherapy to patients receiving repeated endoscopic variceal ligation: a prospective, randomized trial. *Hepatology*. 1998; 28: 391-5.
25. Laine L, Cook D. Endoscopic ligation compared with sclerotherapy for treatment of esophageal variceal bleeding: a meta-analysis. *Ann Intern Med* 1995; 123: 280-7.

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26. Laine L, Cook D. Endoscopic ligation compared with sclerotherapy for treatment of esophageal variceal bleeding: a meta-analysis. *Ann Intern Med* 1995; 123: 280-7.
 27. Saeed ZA, Michaletz PA, Winchester CB, Woods KL, Dixon WB, Hieser MC, et al. Endoscopic variceal ligation in patients who have failed endoscopic sclerotherapy. *Gastrointest Endosc* 1990; 36: 572-4.
 28. Chen CY, Chen, CY, Chang TT. Prophylactic endoscopic variceal ligation (EVL) for esophageal varices [abstract]. *Gastroenterology* 1997; 112: A1240.
 29. Pokharna RK, Kumar S, Khatri PC, Chahar CK. Endoscopic variceal ligation using multiband ligator. *Indian Pediatrics* 2005; 42(17): 131-4.
 30. de la Peña J, Rivero M, Sanchez E, Fábrega E, Crespo J, Pons-Romero F. Variceal ligation compared with endoscopic sclerotherapy for variceal hemorrhage: prospective randomized trial. *Gastrointestinal Endoscopy* 1999;49(4): 417-23.