

References

1. Arora N, et al: A propensity analysis of the risk of vascular complications after cardiac catheterization procedures with the use of vascular closure devices. *Am Heart J* 153:606–611, 2007.
2. Bangalore S, Bhatt DL: Femoral arterial access and closure. *Circulation* 124:e147–e156, 2011.
3. Barbieri CC: A new device for control of bleeding after transfemoral catheterization: The FemoStop system. *Crit Care Nurse* 15:51–53, 1995.
4. Bashore TM, et al: 2012 American College of Cardiology Foundation/Society for Cardiovascular Angiography and Interventions expert consensus document on cardiac catheterization laboratory standards update. *J Am Coll Cardiol* 59:2221–2305, 2012.
5. Benson LM, et al: Determining best practice: Comparison of three methods of femoral sheath removal after cardiac interventional procedures. *Heart Lung J Acute Crit Care* 34:115–121, 2005.
6. Bincari F, et al: Meta-analysis of randomized trials on the efficacy of vascular closure devices after diagnostic angiography and angioplasty. *Am Heart J* 159:518–531, 2010.
7. Bogart MA: Time to hemostasis: A comparison of manual versus mechanical compression of the femoral artery. *Am J Crit Care* 4:149–156, 1995.
8. Bowden SM, Worrey JA: Assessing patient comfort: Local infiltration of lidocaine during femoral sheath removal. *Am J Crit Care* 4:368–369, 1995.
9. Coyne C, et al: Controlled trial of backrest elevation after coronary angiography. *Am J Crit Care* 3:282–288, 1994.
10. Doyle BJ, et al: Ambulation 1 hour after diagnostic cardiac catheterization: A prospective study of 1009 procedures. *Mayo Clin Proc* 81:1537–1540, 2006.
11. Fowlow B, Price P, Fung T: Ambulation after sheath removal: A comparison of 6 and 8 hours of bedrest after sheath removal in patients following a PTCA procedure. *Heart Lung J Acute Crit Care* 24:28–37, 1995.
12. Gurm HS, et al: Comparative safety of vascular closure devices and manual closure among patients having percutaneous coronary intervention. *Ann Intern Med* 159:660–666, 2013.
13. Jones T, McCutcheon H: Effectiveness of mechanical compression devices in attaining hemostasis after femoral sheath removal. *Am J Crit Care* 11:155–162, 2002.
14. Keeling AW, et al: Reducing time in bed after percutaneous transluminal coronary angioplasty (TIBS III). *Am J Crit Care* 9:185–187, 2000.
15. Kiat Ang C, et al: Effect of local anesthesia and intravenous sedation on pain perception and vasovagal reactions during femoral arterial sheath removal after percutaneous coronary intervention. *Int J Cardiol* 116:321–326, 2005.
16. Koreny M, et al: Arterial puncture closing devices compared with manual compression after cardiac catheterization: Systematic review and meta-analysis. *JAMA* 291:350–357, 2004.
17. Logemann T, et al: Two versus six hours of bed rest following left-sided cardiac catheterization and a meta-analysis of early ambulation trials. *Am J Cardiol* 84:486–488, 1999.
18. Martinez CA, Moscucci M: Percutaneous approach including trans-septal and apical puncture. In Moscucci M, editor: *Grossman and Baim's cardiac catheterization, angiography, and intervention*, ed 8, Philadelphia, 2014, Lippincott Williams & Wilkins, pp 138–169.
19. McLe S, et al: Transparent film dressing vs pressure dressing after percutaneous transluminal coronary angiography. *Am J Crit Care* 18:14–20, 2009.
20. Mohammady M, et al: Early ambulation after diagnostic transfemoral catheterization: A systematic review and meta-analysis. *Int J Nurs Stud* 51:39–50, 2014.
21. Nikolsky E, et al: Vascular complications associated with arteriotomy closure devices in patients undergoing percutaneous coronary procedures. *J Am Coll Cardiol* 44:1200–1209, 2004.
22. O'Grady NP, et al: Guidelines for the prevention of intravascular catheter-related infections. *Am J Infect Control* 39(4 Suppl 1):S1–S34, 2011.
23. Rudisill PT, et al: Study of mechanical versus manual-mechanical compression following various interventional cardiology procedures. *J Cardiovasc Nurs* 11:15–21, 1997.
24. Simon A, et al: Manual versus mechanical compression for femoral artery hemostasis after cardiac catheterization. *Am J Crit Care* 7:308–313, 1998.
25. Smilowitz NR, et al: Practices and complications in vascular closure devices and manual compression in patients undergoing elective transfemoral coronary procedures. *Am J Cardiol* 110:177–182, 2012.
26. Sulzbach LM, Munro BH, Hirshfeld JW: A randomized clinical trial of the effect of bed position after PTCA. *Am J Crit Care* 4:221–226, 1995.
27. Sulzbach-Hoke LM, et al: Predictors of complications following sheath removal with percutaneous coronary intervention. *J Cardiovasc Nurs* 25:E1–E8, 2010.
28. Tagney J, Lackie D: Bed-rest post-femoral arterial sheath removal: What is safe practice? A clinical audit. *Nurs Crit Care* 10:167–173, 2005.
29. Tavris DR, et al: Bleeding and vascular complications at the femoral access site following percutaneous coronary intervention (PCI): An evaluation of hemostasis strategies. *J Invasive Cardiol* 24:2–8, 2012.
30. Vlasic W, Almond D, Massel D: Reducing bedrest following arterial puncture for coronary interventional procedures—impact on vascular complications: the BAC Trial. *J Invasive Cardiol* 13:788–792, 2001.
31. Wadas TM, Hill J: Is lidocaine infiltration during femoral sheath removal really necessary? *Heart Lung* 27:31–36, 1998.
32. Walker S, et al: Comparison of complications in percutaneous coronary intervention patients mobilized at 3, 4 and 6 hours after femoral arterial sheath removal. *J Cardiovasc Nurs* 23:407–413, 2008.
33. Walker SB, Cleary SR, Higgins M: Comparison of the FemoStop device and manual pressure in reducing groin puncture site complications following coronary angioplasty and coronary stent placement. *Int J Nurs Pract* 7:366–375, 2001.
34. Wensley C, et al: Pain relief for the removal of femoral sheath after percutaneous coronary intervention (2014 review). *Cochrane Database Syst Rev* (4):CD006043, 2008.

35. Wilcoxson VL: Early ambulation after diagnostic cardiac catheterization via femoral artery access. *JNP* 8:810–815, 2012.

Additional Readings

- Chlan LL, Sabo J, Savik K: Effects of three groin compression methods on patient discomfort, distress, and vascular complications following a percutaneous coronary intervention procedure. *Nurs Res* 54:391–398, 2005.
- Christensen BV, et al: Vascular complications after angiography with and without the use of sandbags. *Nurs Res* 47:51–53, 1998.
- Cura FA, et al: Safety of femoral closure devices after percutaneous coronary interventions in the era of glycoprotein IIb/IIIa platelet blockade. *Am J Cardiol* 86:780–782, 2000.
- Dressler DK, Dressler KK: Caring for patients with femoral sheaths: After percutaneous coronary intervention, sheath removal and site monitoring are the nurse's responsibility. *AJN* 106:64A–64H, 2006.
- Dueling JHH, et al: Closure of the femoral artery after cardiac catheterization: A comparison of Angio-Seal, StarClose, and manual compression. *Cathet Cardiovasc Interv* 71:518–523, 2008.
- Dumont CJP, et al: Predictors of vascular complications post diagnostic cardiac catheterization and percutaneous coronary intervention. *Dimens Crit Care Nurs* 25: 137–142, 2006.
- Galli A, Palatnik A: Ask the experts: What is the proper activated clotting time (ACT) at which to remove a femoral sheath after PCI? What are the best “protocols” for sheath removal? *Crit Care Nurse* 25:88–95, 2005.
- Juergens CP, et al: Vaso-vagal reactions during femoral arterial sheath removal after percutaneous coronary intervention and impact on cardiac events. *Int J Cardiol* 127:252–254, 2007.
- Kim M: Vascular closure devices. *Cardiol Clin* 24:277–286, 2006.
- McConnell MKT, et al: Comparison of different methods for achieving hemostasis after arterial sheath removal. *J Cardiovasc Nurs* 27:E1–E5, 2012.
- Merriweather N, Sulzbach-Hoke LM: Managing risk of complications at femoral vascular access sites in percutaneous coronary intervention. *Crit Care Nurse* 32:16–30, 2012.
- Patel MR, et al: Arteriotomy closure devices for cardiovascular procedures: A scientific statement from the American Heart Association. *Circulation* 122:1882–1893, 2010.
- Sabo J, Chlan LL, Savik K: Relationships among patient characteristics, comorbidities, and vascular complications post-percutaneous coronary intervention. *Heart Lung* 37:190–195, 2008.
- Shoulders-Odom B: Management of patients after percutaneous coronary interventions. *Crit Care Nurse* 28:26–42, 2008.