

# 104 Emergencies after 20 Weeks of Pregnancy and the Postpartum Period



## REFERENCES

1. Chang J, Elam-Evans LD, Berg CJ: Pregnancy-related mortality surveillance—United States, 1991–1999. *MMWR Surveill Summ* 52(SS-2): 1, 2003.
2. Saftlas AF, Lawson HW, Atrash HK: Pregnancy-related morbidity, in Wilcox LS, Marks JS (eds): *From Data to Action: CDC's Public Health Surveillance for Women, Infants, and Children*. Atlanta, GA, U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, 1994. Available at: <http://www.cdc.gov/mmwr/preview/mmwrhtml/ss/5202a1.htm>. Accessed March 15, 2010.
3. Rosenberg VA: Thromboembolism in pregnancy. *Obstet Gynecol Clin North Am* 34(3): 481, 2007.
4. Marik PE, Plante LA: Venous thromboembolic disease and pregnancy. *N Engl J Med* 359(19): 2025, 2008.
5. Rodger MA, Avruch LI, Howley HE, et al: Pelvic magnetic resonance venography reveals high rate of pelvic vein thrombosis after cesarean section. *Am J Obstet Gynecol* 194: 436, 2006.
6. Tapson V, Carroll B, Davidson B, et al: The diagnostic approach to acute venous thromboembolism. Clinical practice guideline. American Thoracic Society. *Am J Respir Crit Care Med* 160: 1043, 1999.
7. Stone SE, Morris TA: Pulmonary embolism during and after pregnancy. *Crit Care Med* 33(10 suppl): S294, 2005.
8. Winer-Murphy H, Boone J, Brown HL, et al: Pulmonary embolism in pregnant patients: fetal radiation dose with helical CT. *Radiology* 224(2): 487, 2002.
9. Doyle NM, Ramirez M, Mastrobattista JM, et al: Diagnosis of pulmonary embolism: a cost-effectiveness analysis. *Am J Obstet Gynecol* 191: 1019, 2004.
10. Chan WS, Ray JG, Murray S, et al: Suspected pulmonary embolism in pregnancy. *Arch Intern Med* 162: 1170, 2002.
11. Duhl AJ, Paidas MJ, Ural SH, et al: Antithrombotic therapy and pregnancy: consensus report and recommendations for prevention and treatment of venous thromboembolism and adverse pregnancy outcomes. *Am J Obstet Gynecol* 197: 457.e1, 2007.
12. Gifford RW, August PA, Cunningham G: Report of the National High Blood Pressure Education Program Working Group on High Blood Pressure in Pregnancy. *Am J Obstet Gynecol* 183: S1, 2000.
13. Powrie RO: A 30-year-old women with chronic hypertension trying to conceive. *JAMA* 298: 1548, 2007.
14. Solomon CG, Seely EW: Hypertension in pregnancy. *Endocrinol Metab Clin* 35: 1, 2006.
15. Barton JR: Hypertension in pregnancy. *Ann Emerg Med* 51: S16, 2008.
16. Magnussen EB, Vatten LJ, Lund-Nilsen TI, et al: Prepregnancy cardiovascular risk factors as predictors of pre-eclampsia: population based cohort study. *BMJ* 335(7627): 978, 2007.
17. Wells M: The pathology of gestational trophoblastic disease: recent advances. *Pathology* 39: 88, 2007.
18. Van Rijn BB, Hoeks LB, Bots ML, et al: Outcomes of subsequent pregnancy after first pregnancy with early-onset preeclampsia. *Am J Obstet Gynecol* 195(3): 723, 2006.
19. Ness RB, Roberts JM: Heterogeneous causes constituting the single syndrome of pre-eclampsia and its implications. *Am J Obstet Gynecol* 175: 1365, 1996.
20. Sibai BM: Treatment of hypertension in pregnant women. *N Engl J Med* 335: 257, 1996.
21. Dekker GA, Sibai BM: Etiology and pathogenesis of preeclampsia: current concepts. *Am J Obstet Gynecol* 179: 1359, 1998.
22. Ananth CV, Smulian JC, Vintzileos AM: Incidence of placental abruption in relation to cigarette smoking and hypertensive disorders during pregnancy: a meta-analysis of observational studies. *Obstet Gynecol* 93: 622, 1999.
23. Ananth CV, Oyelese Y, Yeo L, et al: Placental abruption in the United States, 1979 through 2001: temporal trends and potential determinants. *Am J Obstet Gynecol* 192: 191, 2005.
24. Ananth CV, Peltier MR, Kinzler WL, et al: Chronic hypertension and risk of placental abruption: is the association modified by ischemic placental disease? *Am J Obstet Gynecol* 197: 273.e1, 2007.
25. Kayani SI, Walkinshaw SA, Preston C: Pregnancy outcome in severe placental abruption. *Br J Obstet Gynaecol* 110: 679, 2003.
26. Nath CA, Ananth CV, Smulian JC, et al: Histologic evidence of inflammation and risk of placental abruption. *Am J Obstet Gynecol* 197: 319.e1, 2007.
27. Handler AS, Mason ED, Rosenberg DL, et al: The relationship between exposure during pregnancy to cigarette smoking and cocaine use and placenta previa. *Am J Obstet Gynecol* 170: 884, 1994.
28. Ananth CV, Smulian JC, Vintzileos AM: The association of placenta previa with history of cesarean delivery and abortion: a metaanalysis. *Am J Obstet Gynecol* 177: 5, 1997.
29. Sakornbut E, Leeman L, Fontaine P: Late pregnancy bleeding. *Am Fam Physician* 75(8): 1199, 2007.
30. Hamilton BE, Martin JA, Ventura SJ: Births: preliminary data for 2006. *Natl Vital Stat Rep* 56: 1, 2007.
31. Medina T, Hill DA: Preterm premature rupture of membranes: diagnosis and management. *Am Fam Physician* 73: 659, 2006.
32. Mercer BM: Management of preterm premature rupture of membranes. *Clin Obstet Gynecol* 41(4): 870, 1998.
33. Mercer BM: Is there a role for tocolytic therapy during conservative management of preterm premature rupture of the membranes? *Clin Obstet Gynecol* 50(2): 487, 2007.
34. Romero R, Espinoza J, Kusanovic JP, et al: The preterm parturition syndrome. *Br J Obstet Gynaecol* 113: 17, 2006.
35. Stuart EL, Evans GS, Lin YS, et al: Reduced collagen and ascorbic acid concentrations and increased proteolytic susceptibility with prelabor fetal membrane rupture in women. *Biol Reprod* 72(1): 230, 2005.
36. French JI, McGregor JA, Parker R: Readily treatable reproductive tract infections and preterm birth among black women. *Am J Obstet Gynecol* 194(6): 1717, 2006; discussion 1726.
37. Harding JE, Pang J, Knight DB, et al: Do antenatal corticosteroids help in the setting of preterm premature rupture of membranes? *Am J Obstet Gynecol* 184(2): 131, 2001.
38. Effect of corticosteroids for fetal maturation on perinatal outcomes. *NIH Consens Statement* Feb 28–Mar 2;12(2): 1, 1994.
39. Mercer BM, Arheart KL: Antimicrobial therapy in expectant management of preterm premature rupture of membranes. *Lancet* 346: 1271, 1995.
40. Mercer BM, Miodovnik M, Thurnau GR: Antibiotic therapy for reduction of infant morbidity after preterm premature rupture of membranes. A randomized controlled trial. National Institute of Child Health and Human Development Maternal-Fetal Medicine Units Network. *JAMA* 278: 989, 1997.
41. Crowther CA, Hiller JE, Doyle LW: Magnesium sulphate for preventing preterm birth in threatened preterm labour. *Cochrane Database Syst Rev* 4: CD001060, 2002.
42. Decavalas G, Mastrogiovanni D, Papadopoulos V, et al: Short-term versus long-term prophylactic tocolysis in patients with preterm premature rupture of membranes. *Eur J Obstet Gynecol Reprod Biol* 59(2): 143, 1995.
43. Dobak WJ, Gardner MO: Late preterm gestation: physiology of labor and implications for delivery. *Clin Perinatol* 33(4): 765, 2006; abstract vii.
44. Dildy GA III: Postpartum hemorrhage: new management options. *Clin Obstet Gynecol* 45(2): 330, 2002.
45. Chichakli LO, Atrash HK, Mackay AP, et al: Pregnancy-related mortality in the United States due to hemorrhage: 1979–1992. *Obstet Gynecol* 94: 721, 1999.
46. Bouwmeester FW, Jonkhoff AR, Verheijen RHM, et al: Successful treatment of life-threatening postpartum hemorrhage with recombinant activated factor VII. *Obstet Gynecol* 101: 1174, 2003.
47. Oyelese Y: Postpartum hemorrhage. *Obstet Gynecol Clin North Am* 34(3): 421, 2007.
48. Yap OW, Kim ES, Laros RK: Maternal and neonatal outcomes after uterine rupture in labor. *Am J Obstet Gynecol* 184(7): 1576, 2001.
49. Miller DA, Murphy Goodwin T, Gherman RB, Paul RH: Intrapartum rupture of the unscarred uterus. *Obstet Gynecol* 89: 671, 1997.
50. Ofir K, Sheiner E, Levy A, et al: Uterine rupture: risk factors and pregnancy outcome. *Am J Obstet Gynecol* 189: 4, 2003.
51. Smith JG, Mertz HL, Merrill DC: Identifying risk factors for uterine rupture. *Clin Perinatol* 35(1): 85, 2008.
52. Ofir K, Sheiner E, Levy A, et al: Uterine rupture: differences between a scarred and unscarred uterus. *Am J Obstet Gynecol* 191(2): 425, 2004.
53. Lydon-Rochelle M, Holt VL, Easterling TR, Martin DP: Risk of uterine rupture during labor among women with a prior cesarean delivery. *N Engl J Med* 345: 3, 2001.
54. Cahill AG, Stamilio DM, Odibo AO, et al: Does a maximum dose of OxyContin affect risk for uterine rupture in candidates for vaginal birth after cesarean delivery? *Am J Obstet Gynecol* 197: 495.e1, 2007.
55. Macones GA, Peipert J, Nelson DB: Maternal complications with vaginal birth after cesarean delivery: a multicenter study. *Am J Obstet Gynecol* 193: 5, 2005.
56. Gilbert WM, Danielsen B: Amniotic fluid embolism: decreased mortality in a population-based study. *Obstet Gynecol* 93: 973, 1999.
57. Stafford I, Sheffield J: Amniotic fluid embolism. *Obstet Gynecol Clin North Am* 34(3): 545, 2007.
58. Clark SL, Hankins GD, Dudley DA: Amniotic fluid embolism: analysis of the national registry. *Am J Obstet Gynecol* 172: 1158, 1995.
59. Awad IT, Shorten GD: Amniotic fluid embolism and isolated coagulopathy: atypical presentation of amniotic fluid embolism. *Eur J Anaesthesiol* 18: 410, 2001.
60. Elkayam U, Akhter MW, Singh H, et al: Pregnancy-associated cardiomyopathy. *Circulation* 111: 2050, 2005.
61. Witlin AG, Mabie WC, Sibai BM: Peripartum cardiomyopathy: an ominous diagnosis. *Am J Obstet Gynecol* 176: 182, 1997.
62. Martin SR, Foley MR: Intensive care in obstetrics: an evidence-based review. *Am J Obstet Gynecol* 195: 3, 2006.
63. Yokoe DS, Christiansen CL, Johnson R, et al: Epidemiology of and surveillance for postpartum infections. *Emerg Infect Dis* 7(5): 837–2001.
64. Sibutloane HM, Moodley J, Esterhuizen TM: Prophylactic antibiotics for the prevention of postpartum infectious morbidity in women infected with human immunodeficiency virus: a randomized controlled trial. *Am J Obstet Gynecol* 198(2): 189.e1, 2008.
65. Cohen PR: Community-acquired methicillin-resistant *Staphylococcus aureus* skin infections: implications for patients and practitioners. *Am J Clin Dermatol* 8(5): 259, 2007.
66. Brumfield CG, Hauth JC, Andrews WW: Puerperal infection after cesarean delivery: evaluation of a standardized protocol. *Am J Obstet Gynecol* 198(2): 1147, 2000.

## USEFUL WEB RESOURCES

Information about complications of pregnancy, Centers for Disease Control and Prevention—<http://www.cdc.gov/reproductivehealth/MaternalInfantHealth/PregComplications.htm> and <http://www.cdc.gov/search.do?action=search&queryText=pregnancy&image=x=0&image.y=0>

Pregnancy planning education program, Centers for Disease Control and Prevention—<http://www.cdc.gov/nccddd/pregnancy>