

**Options for Therapeutic Abortion:  
Manual Vacuum Aspiration and Medication Management**

**Bibliography**

- Ashok PW, Penney GC, Flett GM, Templeton A. An effective regimen for early medical abortion: a report of 2000 consecutive cases. *Hum Reprod.* 1998;13(10):2962–5.
- Aubény E, Peyron R, Turpin CL, et al. Termination of early pregnancy (up to 63 days of amenorrhea) with mifepristone and increasing doses of misoprostol. *Int J Fertil Menopausal Stud.* 1995;40(suppl):85–91.
- Baird DT, Sukcharoen N, Thong KJ. Randomized trial of misoprostol and cervagem in combination with a reduced dose of mifepristone for induction of abortion. *Hum Reprod.* 1995;10(6):1521–7.
- Baird TL, Flinn SK. *Manual Vacuum Aspiration: A Safe and Accessible Method for First-Trimester Induced Abortion.* Chapel Hill, NC: Ipas, 2001.
- Bartlett L, Berg CJ, Shulman HB, et al. Risk factors for legal induced abortion-related mortality in the United States. *Obstet Gynecol.* 2004;103(4):729–37.
- Belanger E, Melzack R, Lauzon P. Pain of first-trimester abortion: a study of psychosocial and medical predictors. *Pain* 1989;36:339–350.
- Bird ST, Harvey SM, Beckman LJ, Nichols MD, Rogers K, Blumenthal PD. Similarities in women's perceptions and acceptability of manual vacuum aspiration and electric vacuum aspiration for first trimester abortion. *Contraception* 2003;67:207–212.
- Breitbart V, Repass DC. The counseling component of medical abortion. *J Am Med Womens Assoc* 2000;55(suppl 3):164-166.
- Castadot RG. Pregnancy termination: techniques, risks, and complications and their management. *Fertil Steril.* 1986;45(1):5–17.
- Castleman L, Mann C. *Manual vacuum aspiration (MVA) for uterine evacuation: pain management.* Chapel Hill, NC: Ipas, 2002.
- Castleman LD, Oanh KT, Hyman AG, Thuy le T, Blumenthal PD. Introduction of the dilation and evacuation procedure for second-trimester abortion in Vietnam using manual vacuum aspiration and buccal misoprostol. *Contraception.* 2006 Sep;74(3):272-6.
- Creinin MD, Schwartz JL, Guido RS, Pymar HC. Early pregnancy failure—current management concepts. *Obstet Gynecol Surv* 2001;56(2):105–113.
- Dean G, Cardenas L, Darney P, Goldberg A. Acceptability of manual versus electric aspiration for first trimester abortion: a randomized trial. *Contraception* 2003;67:201–206.
- Depineres T, Stewart F. NAF. 2002.
- Edelman A, Nichols MD, Jensen J. Comparison of pain and time of procedures with two first-trimester abortion techniques performed by residents and faculty. *Am J Obstet Gynecol* 2001;184(7):1564–1567.
- Edwards J, Carson SA. New technologies permit safe abortion at less than six weeks' gestation and provide timely detection of ectopic gestation. *Am J Obstet Gynecol* 1997;176(5):1101–1106.
- Edwards J, Creinin MD. Surgical abortion for gestation of less than 6 weeks. *Curr Probl Obstet Gynecol Fertil* 1997;20 (1):11–19.
- El-Rafaey H, Rajasekar D, Abdalla M, Calder L, Templeton A. Induction of abortion with mifepristone (RU 486) and oral or vaginal misoprostol. *N Engl J Med.* 1995;332:983–7.
- FDA Public Health Advisory. Sepsis and medical abortion update. March 17, 2006. Available at: <http://www.fda.gov/cder/advisory/mifeprex200603.htm>. Accessed May 19, 2006.

- Finer LB, Henshaw SK. Disparities in rates of unintended pregnancy In the United States, 1994 and 2001. *Perspect Sexual Reprod Health*. 2006;38(2):90–6.
- Fjerstad M. Mifepristone abortion with home administration of misoprostol. Slide presentation. [http://www.fiapac.org/pdf/FIAPAC\\_Rome\\_2006\\_Sa\\_1100\\_Fjerstad.pdf](http://www.fiapac.org/pdf/FIAPAC_Rome_2006_Sa_1100_Fjerstad.pdf)
- Food and Drug Administration. Questions and Answers on Mifeprex (mifepristone). Available at: <http://www.fda.gov/cder/drug/infopage/mifepristone/mifepristone-qa20050719.htm>. Accessed April 26, 2006.
- Forna F, Gulmezoglu AM. Surgical procedures to evacuate incomplete abortion (Cochrane Review). In: *The Cochrane Library* 2002; Issue 1. Oxford: Update Software.
- Gold RB, Richards C. RU 486: medical breakthrough held hostage. *Issues Sci Technol*. 1990;6(4):74–8.
- Goldberg AB, Dean G, Kang MS, Youssof S, Darney P. Manual versus electric vacuum aspiration for early first-trimester abortion: a controlled study of complication rates. *Obstet Gynecol* 2004;103:101–107.
- Good M, Anderson GC, Stanton-Hicks M, Grass JA, Makii M. Relaxation and music reduce pain after gynecologic surgery. *Pain Manag Nurs*. 2002;3:61–70.
- Green MF. Fatal infections associated with mifepristone-induced abortion. *N Engl J Med*. 2005;353:2317–8.
- Grimes DA, Creinin MD. Induced abortion: an overview for internists. *Ann Intern Med*. 2004;140:620–6.
- Hansen GR, Streltzer J. The psychology of pain. *Emerg Med Clin N Am*. 2005;23:339–48.
- Hatcher RA. 10 common questions on emergency contraception. *Contracept Technol Update*. 1998;19(1):6,11–12.
- Hemlin J, Moller B. Manual vacuum aspiration, a safe and effective alternative in early pregnancy termination. *Acta Obstet Gynecol Scand* 2001;80:563–567.
- Hogue CJ, Cates W, Jr., Tietze C. The effects of induced abortion on subsequent reproduction. *Epidemiol Rev*. 1982;4:66–94.
- Hyman AG, Castleman L. *Woman-centered Abortion Care: Reference Manual*. Chapel Hill, NC: Ipas. 2005.
- Ipas Gynecological Aspiration System. MVA Label. U.S. English. 2007.
- Jones RK, Henshaw SK. Mifepristone for early medical abortion: experiences in France, Great Britain and Sweden. *Perspect Sex Reprod Health*. 2002;34:154–61.
- Kahn JG, Becker BJ, Maclsaac L, et al. The efficacy of medical abortion: a meta-analysis. *Contraception*. 2000;61:29–40.
- Karman H, Potts M. Very early abortion using a syringe as a vacuum source. *Lancet* 1972;1:1051–1052.
- Leonard A, Winkler J. A quality of care framework for abortion care. *Advances in Abortion Care*. 1991;1(1).
- Lichtenberg ES, Paul M, Jones H. First trimester surgical abortion practices: a survey of National Abortion Federation members. *Contraception* 2001;64:345–352.
- Lichtenberg ES, Shott S. A randomized clinical trial of prophylaxis for vacuum abortion: 3 versus 7 days of doxycycline. *Obstet Gynecol* 2003;101:726–731.
- Maclsaac L, Darney P. Early surgical abortion: an alternative to and backup for medical abortion. *Am J Obstet Gynecol* 2000;183:S76–S83.
- Maltzer DS, Maltzer MC, Wiebe ER, Halvorson-Boyd G, Boyd C. Pain management. In: *NAF's A Clinician's Guide to Medical and Surgical Abortion*. Philadelphia: Churchill Livingstone, 1999.
- McKinley C, Thong KJ, Baird DT. The effect of dose of mifepristone and gestation on the efficacy of medical abortion with mifepristone and misoprostol. *Hum Reprod*. 1993;8(9):1502–5.

Middleton T, Schaff E, Fielding SL, et al. Randomized trial of mifepristone and buccal or vaginal misoprostol for abortion through 56 days of last menstrual period. *Contraception*. 2005;72:328–32.

Mifeprex [package insert]. New York, NY: Danco Laboratories, LLC. July, 2005.

Mokdad AH, Stroup DF, Giles WH. Public Health Surveillance for Behavioral Risk Factors in a Changing Environment: Recommendations from the Behavioral Risk Factor Surveillance Team. *MMWR Recomm Rep*. 2003;52(RR-09):1–12

MVA Label, U.S., English. Ipas. 2004.

MVA Label, U.S., English. Ipas. 2007.

National Abortion Federation. First trimester abortion: a comparison of procedures. Available at: [http://www.prochoice.org/about\\_abortion/facts/first\\_trimester.html](http://www.prochoice.org/about_abortion/facts/first_trimester.html). Accessed May 19, 2006.

National Abortion Federation. What is medical abortion? Available at: [http://www.prochoice.org/about\\_abortion/facts/medical\\_abortion.html](http://www.prochoice.org/about_abortion/facts/medical_abortion.html) Accessed May 19, 2006.

Paul ME, Mitchell CM, Rogers AJ, Fox MC, Lackie EG. Early surgical abortion: efficacy and safety. *Am J Obstet Gynecol* 2002;187:407–411.

Peyron R, Aubény E, Targosz V, et al. Early termination of pregnancy with mifepristone (RU 486) and the orally active prostaglandin misoprostol. *N Engl J Med* .1993;328:1509–13.

Picker Institute. *From the Patient's Perspective: Quality of Abortion Care* [survey]. Menlo Park, Calif: Henry J Kaiser Family Foundation; 1999.

RHEDI. The Center for Reproductive Health Education in Family Medicine. Montefiore Medical Center. [http://www.rhedi.org/med\\_ab/protocol\\_comparison.php](http://www.rhedi.org/med_ab/protocol_comparison.php). Accessed 9/10/07.

Schaff E, Stadalius S, Eisinger SH, Franks P. Vaginal misoprostol administered at home after mifepristone (RU 486) for abortion. *J Fam Pract*. 1997;44:353–9.

Schaff EA, Eisinger SH, Stadalius LS, Franks P, Gore BZ, Poppema S. Low-dose mifepristone 200 mg and vaginal misoprostol for abortion. *Contraception* 1999;59:1-6.

Schaff EA, Fielding SL, Westhoff C, et al. Vaginal misoprostol administered 1, 2, or 3 days after mifepristone for early medical abortion: a randomized trial. *JAMA* 2000;284:1948-1953.

Schaff EA, Fielding SL, Westhoff C. Randomized trial of oral versus vaginal misoprostol at one day after mifepristone for early medical abortion. *Contraception* 2001; 64: 81-85

Schaff EA, Fielding SL, Eisinger SH, Stadalius LS, Fuller L. Low-dose mifepristone followed by vaginal misoprostol at 48 hours for abortion up to 63 days. *Contraception* 2000;61:41-46.

Shapiro AG, Cohen H. Auxiliary pain relief during suction curettage. *Contraception* 1975;11(1):25–30.

Smith GM, Stubblefield PG, Chirchirillo L, McCarthy MJ. Pain of first trimester abortion: its quantification and relations with other variables. *Am J Obstet Gynecol* 1979;133(5):489–98.

Spitz IM, Bardin CW, Benton L, Robbins A. Early pregnancy termination with mifepristone and misoprostol in the United States. *N Engl J Med*. 1998;338:1241–7.

Stewart FH, Ellertson C, Cates W, Jr. Abortion. In: Hatcher RA, Trussell J, Stewart F, et al., eds. *Contraceptive Technology*, 18<sup>th</sup> edition. New York: Ardent Media, Inc.; 2004.

Strauss LT, Gamble SB, Parker WY, Cook DA, Zane SB, Hamdan S: Centers for Disease Control and Prevention. Abortion Surveillance – United States, 2003. Surveillance Summaries, November 2006. *MMWR*. 55(SS-11):1-32.

Stubblefield PG. Control of pain for women undergoing abortion. *Suppl Int J Gynecol Obstet* 1989;3:131–140.

Westfall JM, Sophocles A, Burggraf H, Ellis S. Manual vacuum aspiration for first-trimester abortion. *Arch Fam Med* 1998;7:559–562.

WHO Safe abortion: technical and policy guidance for health systems. Geneva, Switzerland: World Health Organization, 2003.

Wiebe E, Dunn S, Guibert E, Jacot F, Lugtig L. Comparison of abortions induced by methotrexate or mifepristone followed by misoprostol. *Obstet Gynecol*. 2002;99:813–9.

Winikoff B, Sivin I, Coyaji KJ, et al. Safety, efficacy, and acceptability of medical abortion in China, Cuba, and India: a comparative trial of mifepristone-misoprostol versus surgical abortion. *Am J Obstet Gynecol*. 1997;176(2):431–7.

World Health Organization Task Force on Post-ovulatory Methods of Fertility Regulation. Comparison of two doses of mifepristone in combination with misoprostol for early medical abortion: a randomised trial. *BJOG*. 2000;107(4):524–30.

Zieman M, Fong SK, Benowitz NL, Banskter D, Darney PD. Absorption kinetics of misoprostol with oral or vaginal administration. *Obstet Gynecol*. 1997; 90(1):88–92.