

Medical abortion in Canada: behind the times

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An estimated 1 in 3 Canadian women will have an abortion during her lifetime, most commonly performed in the first trimester of pregnancy.¹ However, Canadian women lack access to a safe, effective and often preferred method of early abortion that is available in many other countries. The internationally recognized “gold standard” for medical (i.e., nonsurgical) abortion, mifepristone (followed by misoprostol), is not available in Canada. Although registered in 57 countries, mifepristone has yet to be approved and distributed in this country (Figure 1). Mifepristone became available in France and China in 1988, in the United Kingdom in 1991 and in most European countries by 1999. It was approved in the United States in 2000 and in Australia in 2012. Mifepristone is included in the *WHO Model List of Essential Medicines*,² and yet Canadian women do not have access to it.

There is now some hope that the situation may change. In 2012, a pharmaceutical company that supplies mifepristone in many countries, including France, Australia and Sweden, brought forward the first known new drug submission for mifepristone to Health Canada. The results of the submission are pending. It is important that this submission not be allowed to fail.

Medical abortion uses drugs rather than surgery to induce an early abortion. Mifepristone, developed in the 1980s for medical abortion, is an orally administered antiprogesterin that blocks the action of progesterone, causing degeneration of the endometrial lining, softening of the cervix and sensitization to prostaglandins. Administration of a prostaglandin, typically the widely available misoprostol, at home 1–2 days after administration of mifepristone causes expulsion of the destabilized products of conception in a process similar to early miscarriage.²

Millions of women worldwide have used mifepristone safely and effectively. A recent systematic review of 45 000 abortions with mifepristone found that ongoing pregnancy occurred in only 1.1% of patients, less than 5% received a surgical procedure to complete the abortion and serious complications occurred in only 0.4%.³ Abortion with mifepristone is increasingly common and now accounts for more than 60% of

abortions in some European countries and about 20% of abortions in the US.^{3,4}

Unfortunately, Canadian women who want a medical abortion (assuming they can find a provider) must resort to a more cumbersome method that uses the cytotoxic drug methotrexate, followed 5–7 days later by misoprostol. Although the methotrexate–misoprostol approach provides a nonsurgical option, it is the second-best method. If allowed to take its course, the regimen is as effective as mifepristone and misoprostol for abortions at up to 7 weeks’ gestation, but its time course is longer and less predictable, with some abortions delayed several weeks after administration of methotrexate.⁵ Because methotrexate is teratogenic, the World Health Organization does not recommend it for abortion because of its association with serious deformities in the infant if the abortion fails and the pregnancy continues.²

In a randomized trial comparing the 2 methods, women found mifepristone to be more acceptable than methotrexate overall (88% v. 83%, $p < 0.03$), but more so for pain (86% v. 78%, $p < 0.001$) and wait time (92% v. 80%, $p < 0.001$).⁵ Abortions with methotrexate are also labour-intensive for practitioners, who must be willing to obtain the drug, administer it intramuscularly and follow women over weeks to ensure the abortion is complete. Therefore, it is not surprising that medical abortion is not widely used in Canada. A recent study from British Columbia, where most medical abortions in Canada are thought to be performed by a few large-volume providers, showed that 15% of abortions are done medically.⁶ Rates are thought to be much lower elsewhere in Canada.¹

In fact, access to any type of abortion remains limited in many areas across Canada. A recent

Competing interests:

Sheila Dunn is on the board of the National Abortion Federation, a nonprofit agency that promotes access to quality abortion care in the United States, Canada and Latin America. No competing interests were declared by Rebecca Cook.

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KEY POINTS

- Canadian women lack access to the internationally recognized “gold standard” for medical abortion, mifepristone (combined with misoprostol).
- Currently, Canadian women who want a medical abortion must resort to the second-best method, the cytotoxic drug methotrexate, followed 5–7 days later by misoprostol, a method that is not recommended by the World Health Organization.
- Availability of mifepristone could improve access to abortion and improve the capacity of the health care system to provide medical abortions earlier, when they are safest.

