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# first trimester abortion using intramuscular (15 S) 15 methyl prostaglandin F<sub>2α</sub>

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## Abstract

The efficacy of intramuscular (15 S) 15 methyl prostaglandin F<sub>2α</sub> (15-Me-PGF<sub>2α</sub>) as an abortifacient was evaluated in forty women between six and twelve weeks of gestation. 250 µg of 15-Me-PGF<sub>2α</sub> was given intramuscularly at two-hour intervals to these patients. All the patients aborted within twenty-four hours and the abortion was complete in 82.5 percent of the cases. The injection-abortion interval was significantly lower in the twenty patients who had intracervical laminaria insertion prior to treatment with 15-Me-PGF<sub>2α</sub> than in the twenty women without laminaria insertions. The frequency and type of side effects are discussed in both groups. The use of intramuscular 15-Me-PGF<sub>2α</sub> is also compared with suction curettage for first trimester abortion. This study demonstrates the availability of the intramuscular route as a simple, safe, and reliable means of terminating first trimester pregnancies.

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1. Karim S.M.M. • Sharma S.D. • Fishie G.M.

**Termination of Pregnancy with Prostaglandin Analogs.**

in: International Conference on Prostaglandins. Advances in Bio Sciences. 9. Pergamen, Press-Viewing Oxford, 1973: 811-830

[Google Scholar](#)

2. Bygdeman M. • Martin J.N. • Wiquist N. • Green K • Bergstrom S.

**Reassessment of Systemic Administration of Prostaglandin for Induction of Midtrimester Abortion.**

*Prostaglandins*. 1974; **8**: 157

[Google Scholar](#)

3. Lauersen N.H. • Wilson • Kathleen H.

**Midtrimester Abortion Induced by Serial Intramuscular Injections of (15 S) 15 Methyl Prostaglandin F<sub>2α</sub>.**

*Am. J. Obstet. Gynecol.* 1975; **121**: 524

[Google Scholar](#)

4. Greer B.E. • Droegemueller W. • Engel T.

**Preliminary Experience with 15 (S) 15 Methyl Prostaglandin F<sub>2α</sub> for Midtrimester Abortion.**

*Am. J. Obstet. Gynecol.* 1975; **121**: 524

[Google Scholar](#)

5. Sharma S.D. • Hale R.W. • Sato N.E.

**Intramuscular Administration of (15 S) 15 Methyl Prostaglandin F<sub>2α</sub> for the Termination of Midtrimester Pregnancies and Missed Abortions.**

*Am. J. Obstet. Gynecol.* 1975; (In Press)

[Google Scholar](#)

6. Gordon M.

**First Trimester Abortion: The Abortion Experience.**

in: Harper & Row, 1973: 365

[Google Scholar](#)

7. Hodgson J.E. • Porthann K.C.

**Complications of First Trimester Abortion.**

*Am. J. Obstet. Gynecol.* 1975; **120**: 802

 [Google Scholar](#)



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