Spontaneous Pregnancy in Primary Amenorrhea; a Case Report

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Abstract

Introduction: Primary ovarian failure (POF) is a syndrome composed of amenorrhea, estrogen deficiency and Follicular Stimulating Hormone (FSH) of menopausal ranges in young women. In this article, we report a case of primary amenorrhea that presented with full term pregnancy.

Case Presentation: A 29-year old woman with a history of primary amenorrhea attended hospital with full term pregnancy. She had experienced a few episodes of withdrawal bleeding on hormonal treatment initially and she had conceived spontaneously. Subsequently, she had uneventful pregnancy and caesarean delivery on maternal request.

Conclusion: This case was presented to emphasize the real chances of spontaneous conceptions due to intermittent and unpredictable ovarian function in patients with POI. Nevertheless, egg donation is still considered the best option for infertility in such women.

Keywords: Estrogen deficiency, Follicular stimulating hormone, Pregnancy, Primary amenorrhea, Primary ovarian insufficiency.

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minute and regular. Per vaginal examination revealed a closed internal Os with soft, short and central cervix. Pelvis seemed adequate for delivery of the fetus. Caesarean section was performed on maternal request and a healthy male baby weighing 2.5 kg was delivered. She had an uneventful puerperium.

**Discussion**

Primary Ovarian Insufficiency has varied manifestations of amenorrhea, oligomenorrhea or dysfunctional uterine bleeding. Overall, approximately 10% of women with POI present with primary amenorrhea (2, 3). Young women who develop POI need special care.

A similar case of spontaneous pregnancy has been reported in a 27-year old woman with hypergonadotropic ovarian failure (4).

We suspected her to be a case of primary ovarian insufficiency on the basis of history alone and in the absence of any laboratory test of increased FSH, since we admitted her for the first time in full term pregnancy. There was also no suggestive family history or any associated medical disorders.

This case was reported to emphasize the real chances for a spontaneous conception because of the intermittent and unpredictable ovarian function in these patients.

**Conclusion**

Primary ovarian insufficiency occurs in only 1% of women it can still result in spontaneous pregnancy in 5-10% of the cases. Egg donation is still considered the best option for infertility in such women. Women with POI should be educated on the nature of the disease and the current research efforts. It is important to be aware of the condition and the options for future treatment.

**References**