

**One case of 45,X abortus with high CA 125 level**

*To the Editors:* In our report (Check JH, Nowroozi K, Winkel CA, Johnson T, Seefried L. Serum CA 125 levels in early pregnancy and subsequent spontaneous abortion. *Obstet Gynecol* 1990;75:742-4; submitted for publication July 27, 1989) of the relationship of CA 125 to spontaneous abortion, we included one case of a fetal karyotype of 45,X. This case led us to speculate on the possibility that an elevated CA 125 level could suggest a chromosomal abnormality. This was the only abortus that had been karyotyped in the initial series, and we were prompted to try to karyotype subsequent abor-

tions in an effort to support our hypothesis. The question was, Is this associated only with 45,X or with other aneuploidies? After subsequently finding two additional cases, a trisomy 21 and a trisomy 12 and 13, we submitted a case report, which was published subsequently in the AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY (Check JH, Nowroozi K, Vaze M, Wapner R, Seefried L. Very high CA 125 levels during early first trimester in three cases of spontaneous abortion with chromosomal abnormalities. *AM J OBSTET GYNECOL* 1990;162:674-5; submitted for publication August 10, 1989), including not only the latter two cases but also the 45,X case. This may have inadvertently given the reader the impression that we have seen two cases of 45,X karyotype with an elevated CA 125 level. We write this letter to clarify that we have observed only one case of 45,X abortus with high CA 125 level.

We have subsequently found other cases that have also had chromosomal abnormalities, including another trisomy 21 and a trisomy 10. We are presently engaged in a prospective study aimed at determining whether elevated CA 125 levels in the early first trimester indicate an increased risk of fetal chromosomal abnormalities or whether the association is merely coincidental.

We apologize for any confusion with the reported case and want to reiterate that we reported only one case of elevated CA 125 and subsequent abortion in a fetus with 45,X karyotype.

*Jerome H. Check, MD*

*7447 Old York Road, Melrose Park, PA 19126*