



Journal of Andrology, Vol 8, Issue 1 55-60, Copyright © 1987 by The American Society of Andrology

JOURNAL ARTICLE

Hypogonadotropic hypogonadism and anosmia (Kallmann's syndrome) associated with a marker chromosome

R. W. Bergstrom, K. L. Hansen, C. N. Clare and M. S. Katz

A patient with hypogonadotropic hypogonadism and anosmia (Kallmann's syndrome) had an associated chromosomal abnormality. Evaluation of the hypothalamic pituitary axis showed undetectable basal LH and FSH and slight increases in both gonadotropins in response to GnRH.

Augmented gonadotropin response to GnRH after serial subcutaneous injections of GnRH confirmed a hypothalamic defect. Additional endocrine tests failed to reveal other hormone dysfunctions. A

supernumerary chromosome was detected by routine chromosome analysis. The extra genetic material was identified by differential cytogenetic banding procedures as an accessory bisatellited marker chromosome originating from either chromosome group D or G. Chromosome analyses of both parents were normal. Our results suggest that, in at least some cases, the Kallmann's phenotype may be associated with a chromosome abnormality.

This Article

- ▶ [Full Text \(PDF\)](#)
- ▶ [Alert me when this article is cited](#)
- ▶ [Alert me if a correction is posted](#)

Services

- ▶ [Similar articles in this journal](#)
- ▶ [Similar articles in PubMed](#)
- ▶ [Alert me to new issues of the journal](#)
- ▶ [Download to citation manager](#)

Citing Articles

- ▶ [Citing Articles via Google Scholar](#)

Google Scholar

- ▶ [Articles by Bergstrom, R. W.](#)
- ▶ [Articles by Katz, M. S.](#)
- ▶ [Search for Related Content](#)

PubMed

- ▶ [PubMed Citation](#)
- ▶ [Articles by Bergstrom, R. W.](#)
- ▶ [Articles by Katz, M. S.](#)