

Journal of Andrology, Vol 8, Issue 6 374-377, Copyright © 1987 by The American Society of Andrology

JOURNAL ARTICLE

The effect of long-term opiate antagonist administration to pubertal boys

H. E. Kulin, L. M. Demers, A. D. Rogol and J. D. Veldhuis
Department of Pediatrics, Milton S. Hershey Medical Center, Pennsylvania State University, Hershey 17033.

To test further the hypothesis that opiate pathways controlling gonadotropin production may be functional during early to mid adolescence, nine pubertal boys with bone ages ranging from 10 to 15 were given the long-acting opiate antagonist, naltrexone, for up to 4 weeks. Urinary gonadotropin measurements were assessed before, during, and after drug administration. In three early to mid-pubertal boys who received naltrexone for 3 to 4 weeks, LRH testing was also performed.

No evidence of a stimulatory FSH or LH response to naltrexone was found in any of the patients evaluated. The data do not support the operation of an opiate-mediated mechanism in the control of pubertal onset in man.

This article has been cited by other articles:

JCEM**THE JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM**[▶ HOME](#)

G.B. Kletter, V. Padmanabhan, I.Z. Beitins, J.C. Marshall, R.P. Kelch, and C.M. Foster

Acute Effects of Estradiol Infusion and Naloxone on Luteinizing Hormone Secretion in Pubertal Boys

J. Clin. Endocrinol. Metab., December 1, 1997; 82(12): 4010 - 4014.

[\[Abstract\]](#) [\[Full Text\]](#) [\[PDF\]](#)

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

Google Scholar

- ▶ [Articles by Kulin, H. E.](#)
- ▶ [Articles by Veldhuis, J. D.](#)
- ▶ [Search for Related Content](#)

PubMed

- ▶ [PubMed Citation](#)
- ▶ [Articles by Kulin, H. E.](#)
- ▶ [Articles by Veldhuis, J. D.](#)