Condition: 47,XYY

Inheritance:
Chromosomal

Genetic etiology:
47,XYY karyotype due to nondisjunction.

Frequency:
Approximately 1:1,000 liveborn males.

Clinical features:
Individuals with XYY have a male phenotype and are fertile. They tend to have learning disabilities and behavioral problems. Many have relatively tall stature.

Management:
Anticipatory guidance and support for learning disabilities.

Genetic counseling:
Recurrence is rare and can be detected by prenatal chromosomal analysis. Although males with XYY are fertile, transmission of XXY or XYY is rare.

Human Genetics and Genomics, Fourth Edition. Bruce R. Korf and Mira B. Irons.