



E-FIGURE 65-1 A boy aged 15 years, 10 months, with isolated gonadotropin deficiency and anosmia (Kallmann syndrome). He had undescended testes, but after administration of 10,000 U of human chorionic gonadotropin (HCG), the testes descended and were palpable in the scrotum. Height was 163.9 cm (−1.5 standard deviation); the upper-to-lower body ratio was 0.86, which is eunuchoid. The phallus measured 6.3 × 1.8 cm, and the testes were 1.2 × 0.8 cm. The concentration of plasma luteinizing hormone (FSH) was 1.2 ng/mL, and that of testosterone was 16 ng/mL. After administration of 100 μg of LH-releasing hormone (LHRH), the plasma LH (LER-960) was 0.7 ng/mL, and the FSH (LER-869) was 2.4 ng/mL. (From Styne DM, Grumbach MM: Puberty in the male and female: its physiology and disorders. In Yen SCC, Jaffee RB, editors: Reproductive endocrinology, ed 2, Philadelphia, 1986, Saunders, p. 313–384.)

