Male with pre-pubertal onset

A  Baseline values

B  GnRH testing: peak values

Supplementary Figure 1: Serum LH and FSH levels of the male PPO IHH cohort

Results represent the baseline (A) and peak stimulated (B) values in the different male pre-pubertal IHH subgroups (total number=343). Gonadotropin stimulation was evaluated following administration of a standard dose of 100 mg GnRH and blood samples for FSH and LH were obtained at the 0' 30', 60', 90' and 120' minutes. Normal basal values are (IU/L): LH >1.7; FSH>1.5. Peri-pubertal peak normal range: LH/FSH=2-3 fold x basal level; adulthood peak normal range: LH=2-5 fold x basal level; FSH:1-2 fold x basal level. nIHH, normosmic Isolated Hypogonadotropic Hypogonadism; KS, Kallmann syndrome; absent, completely absent pubertal development; partial, partial pubertal development.

Comparisons were carried out using a Kruskal-Wallis with post-hoc Dunn's multiple comparison test.