

**Supplement Table 1.** List of search strings in different databases

Database	Search string
PubMed	((((((((((hypothalamic hypogonadism) OR hypogonadotropic hypogonadism) OR idiopathic hypogonadotropic hypogonadism)) OR IHH) OR Kallmann's syndrome)) OR congenital hypogonadotropic hypogonadism) AND "Gonadotropin-Releasing Hormone"[Mesh]) AND ((((((human chorionic gonadotropin) OR human menopausal gonadotropin) OR follicle stimulating hormone) OR HCG) OR HMG) OR FSH)
Web of Science	(TS = (hypothalamic hypogonadism OR hypogonadotropic hypogonadism OR idiopathic hypogonadotropic hypogonadism OR IHH OR Kallmann's syndrome OR congenital hypogonadotropic hypogonadism) AND TS = (human chorionic gonadotropin OR human menopausal gonadotropin OR follicle stimulating hormone OR HCG OR HMG OR FSH) AND TS = (Gonadotropin-Releasing Hormone OR GnRH)) AND DOCUMENT TYPES: (Article)
Scopus	(TITLE-ABS-KEY (hypothalamic hypogonadism) OR TITLE-ABS-KEY (hypogonadotropic hypogonadism) OR TITLE-ABS-KEY (congenital hypogonadotropic hypogonadism) OR TITLE-ABS-KEY (idiopathic hypogonadotropic hypogonadism) OR TITLE-ABS-KEY (IHH) OR TITLE-ABS-KEY (kallmann's syndrome)) AND (TITLE-ABS-KEY (gonadotropin-releasing hormone) OR TITLE-ABS-KEY (GnRH)) AND (TITLE-ABS-KEY (human chorionic gonadotropin) OR TITLE-ABS-KEY (human menopausal gonadotropin) OR TITLE-ABS-KEY (follicle stimulating hormone) OR TITLE-ABS-KEY (HCG) OR TITLE-ABS-KEY (HMG) OR TITLE-ABS-KEY (FSH)) AND DOCUMENT TYPES: (Article)