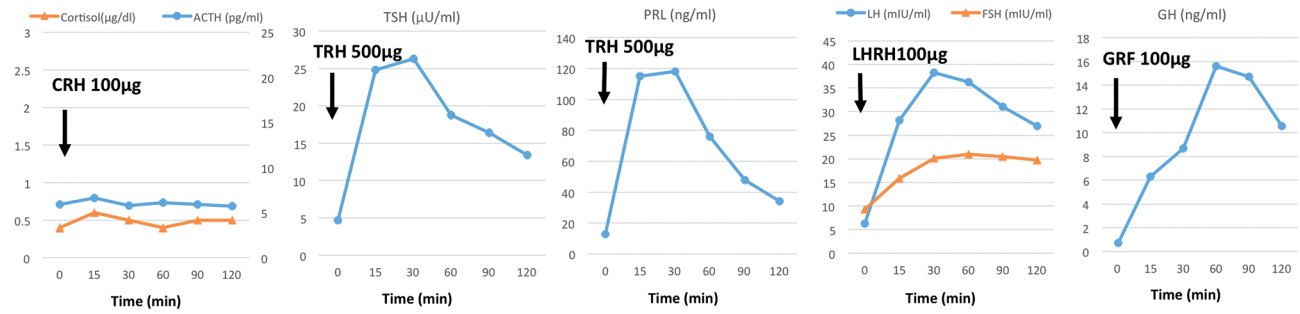


Patient 1



Patient 2

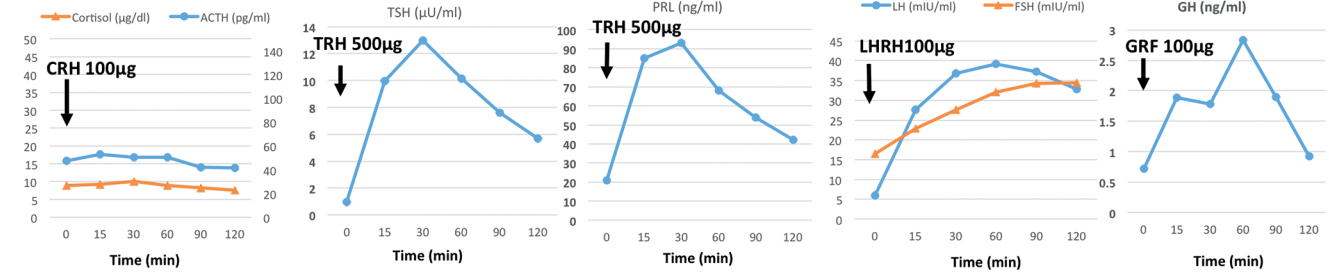


Fig. S1. Anterior pituitary function tests with hypothalamic hormone challenges. Four hypothalamic hormones, including corticotrophin-releasing hormone (CRH), thyrotropin-releasing hormone (TRH), luteinizing hormone (LH)- releasing hormone (RH) and GRF (GHRP-2) were challenged in 2 patients. Then, adrenocorticotrophic hormone (ACTH)/cortisol, thyroid stimulating hormone (TSH), prolactin (PRL), LH/follicle stimulating hormone (FSH) and growth hormone (GH) were measured. Only ACTH/cortisol were unable to respond to the corresponding hypothalamic hormone.