

Supplementary Table 1. Reference ranges for hormone tests

Hormone	Reference range
TSH (μU/mL)	0.4-5.0
Free T4 (ng/dL)	0.8-1.9
ACTH (pg/mL)	< 60
Cortisol (µg/dL)	
Morning (8:00 AM)	5–25
At 60 minutes after corticotropin administration	> 18
IGF-1 (ng/mL), age group (yr)	
20–30	219–644
30–40	140–405
40–50	64–336
50–60	71–284
60–70	94–269
≥70	72–167
hGH (ng/mL)	0-9.9
FSH (mIU/mL)	
Men	1.3-8.1
Premenopausal women	1.2–33.1
Postmenopausal women	27.7–93.3
LH (mIU/mL)	
Men	1.0-5.3
Premenopausal women	0.5-41.1
Postmenopausal women	14.4–52.8
Testosterone, male (ng/mL)	2.5-10.6
Estradiol (pg/mL)	
Premenopausal women	25-450
Postmenopausal women	< 35.0
Prolactin (ng/mL)	
Male	1.8–15.9
Premenopausal women	2.7–19.7
Postmenopausal women	1.9–17.9

TSH, thyroid-stimulating hormone; T4, thyroxine; ACTH, adrenocorticotropic hormone; IGF-1, insulin-like growth factor; hGH, human growth hormone; FSH, follicle-stimulating hormone; LH, luteinizing hormone.

The reference ranges for all tests conformed to the standards of the Department of Laboratory Medicine at Asan Medical Center in Seoul, Korea.