

Supplementary table 1. Methods used for laboratory analyses.

	Reference range	Type of assay method	Company	CV intra-assay	CV inter-assay
TSH (μ IU/mL)	0.35-4.94	chemiluminescent microparticle immunoassay	Abbott Diagnostics, USA	3.10%	3.50%
fT₃ (pg/mL)	1.7-3.7	chemiluminescent microparticle immunoassay	Abbott Diagnostics, USA	2.80%	3.65%
fT₄ (pg/mL)	7-15	chemiluminescent microparticle immunoassay	Abbott Diagnostics, USA	3.80%	5.70%
CH (mg/dL)	<200	enzymatic colorimetric assay	Beckman Coulter Inc, USA	0.81%	1.25%
CK (U/L)	10-171	UV Kinetic test	Beckman Coulter Inc, USA	1.50%	3.87%
Myoglobin (ng/mL)	15-106	chemiluminescent immunoassay Access	Beckman Coulter Inc, USA	1.89%	3.29%
Ferritin (ng/mL)	25-400	chemiluminescent immunoassay Access	Beckman Coulter Inc, USA	3.25%	5.2%
Lp(a) (mg/dL)	1-30	immunoturbidimetric quantitative immunoassay	Sentinel Diagnostics, Italy	1.63%	1.63%
Osteocalcin (ng/mL)	4.6-65.4	chemiluminescent immunoassay Liaison XL	DiaSorin, Italy	5.00%	5.00%
ACE (U/L)	8-52	Kinetic test	Trinity Biotech Plc, Ireland	2.33%	4.33%
SHBG (nmol/L)	Female 19.8-155.2 Male 13.5-71.4	chemiluminescent immunoassay Architect	Abbott GmbH & Co, Germany	10.00%	10.00%

[ACE = angiotensin-converting enzyme; CH = total cholesterol; CK = creatine kinase; CV = coefficient of variation; fT₃ = free triiodothyronine; fT₄ = free tetraiodothyronine; Lp(a) = lipoprotein(a); TSH = thyroid-stimulating hormone; SHBG = sex hormone binding globulin].