Supplementary Table 4. Subgroup analysis by sex

Variable	Male			Female		
	Baseline	64 Weeks	*P*-value	Baseline	64 Weeks	*P*-value
IGF-1 levels						
IGF-1 SDS	-3.07±1.38	-1.21±1.85	<0.001	-3.05±0.41	-1.80±0.78	0.014
Body composition changes						
Change of body weight (kg)	NA	4.10±6.60	0.030	NA	3.62±2.83	0.026
Body weight SDS	0.58±1.25	1.07±1.43	0.038	0.88±2.09	1.35±1.99	0.039
Change of body weight SDS	NA	0.42±0.71	0.038	NA	0.48±0.43	0.039
Change of LBM (kg)	NA	5.52±5.83	0.003	NA	2.07±2.09	0.060
Change of Fat%	NA	-9.71%±0.13	0.004	NA	0.14%±0.06	0.950
Fat% SDS	2.21±1.24	1.48±1.18	0.004	1.23±1.10	1.43±1.01	0.950
Lipid profile changes						
TG (mmol/L)	1.38±0.78	1.08±0.65	0.066	1.81±0.97	1.29±0.53	0.172
LDL-C (mmol/L)	2.72±0.86	2.72±0.60	0.892	3.08±0.87	3.21±1.06	0.590
HDL-C (mmol/L)	1.14±0.23	1.26±0.37	0.086	1.15±0.27	1.19±0.39	0.640
TC (mmol/L)	4.40±0.86	4.48±0.65	0.221	4.95±1.16	4.92±1.37	0.941

Values are presented as mean±standard deviation.
IGF-1, insulin-like growth factor-1; SDS, standard deviation score; LBM, lean body mass; TG, triglycerides; HDL-C, high-density lipoprotein cholesterol; LDL-C, low-density lipoprotein cholesterol; TC, total cholesterol; NA, not applicable.

Supplementary Table 5. Subgroup analysis by etiology

Variable	After pituitary surgery			From childhood GHD			Other etiologies		
	Baseline	64 Weeks	*P*-value	Baseline	64 Weeks	*P*-value	Baseline	64 Weeks	*P*-value
IGF-1 levels									
IGF-1 SDS	-3.02±0.38	-1.35±0.43	0.031	-2.66±1.59	-0.87±1.66	0.002	-3.51±0.96	-1.90±1.92	0.024
Body composition changes									
Change of body weight (kg)	NA	2.02±6.66	0.875	NA	4.44±6.78	0.027	NA	4.39±4.31	0.039
Body weight SDS	0.05±1.87	0.31±1.60	0.625	0.89±1.91	1.43±1.98	0.039	0.80±0.75	1.25±0.89	0.039
Change of body weight SDS	NA	0.23±0.73	0.625	NA	0.50±0.76	0.039	NA	0.48±0.47	0.039
Change of LBM (kg)	NA	2.23±2.59	0.250	NA	6.04±6.81	0.004	NA	4.00±4.04	0.039
Change of Fat%	NA	1.21%±0.11	0.875	NA	-12.86%±0.15	0.027	NA	-4.24%±0.05	0.055
Fat% SDS	0.97±1.53	1.22±1.02	0.875	2.23±1.16	1.46±1.12	0.027	2.12±1.09	1.60±1.25	0.055
Lipid profile changes									
TG (mmol/L)	2.03±1.19	1.29±0.44	0.162	1.27±0.42	1.00±0.53	0.104	1.45±0.90	1.19±0.78	0.275
LDL-C (mmol/L)	2.64±0.68	2.71±0.60	0.817	2.98±0.89	3.06±1.07	0.346	2.75±0.95	2.74±0.43	0.946
HDL-C (mmol/L)	1.08±0.24	1.02±0.15	0.495	1.19±0.26	1.36±0.33	0.024	1.13±0.22	1.24±0.46	0.301
TC (mmol/L)	4.47±0.85	4.30±0.84	0.747	4.74±1.09	4.85±1.22	0.360	4.40±0.93	4.52±0.49	0.780

Values are presented as mean±standard deviation.
IGF-1, insulin-like growth factor-1; SDS, standard deviation score; LBM, lean body mass; TG, triglycerides; HDL-C, high-density lipoprotein cholesterol; LDL-C, low-density lipoprotein cholesterol; TC, total cholesterol; NA, not applicable.

Supplementary Table 6. Analysis of lipid changes

Characteristic	Baseline (n=30)	38 Weeks (n=28)	64 Weeks (n=28)	Change from baseline		*P*-value	
				38 Weeks	64 Weeks	38 Weeks	64 Weeks
LDL-C (mmol/L)	2.82±0.86	2.59±0.91	2.86±0.77	-0.20±0.62	0.05±0.70	0.107	0.699
TG (mmol/L)	1.50±0.84	1.44±1.14	1.14±0.62	-0.07±0.82	-0.40±0.84	0.672	0.018
HDL-C (mmol/L)	1.14±0.24	1.20±0.40	1.24±0.37	0.06±0.27	0.10±0.29	0.268	0.077
TC (mmol/L)	4.55±0.96	4.41±1.11	4.60±0.91	-0.10±0.67	0.05±0.87	0.423	0.745

Values are presented as mean±standard deviation.
LDL-C, low-density lipoprotein cholesterol; TG, triglycerides; HDL-C, high-density lipoprotein cholesterol; TC, total cholesterol.