

SUPPLEMENTARY DATA

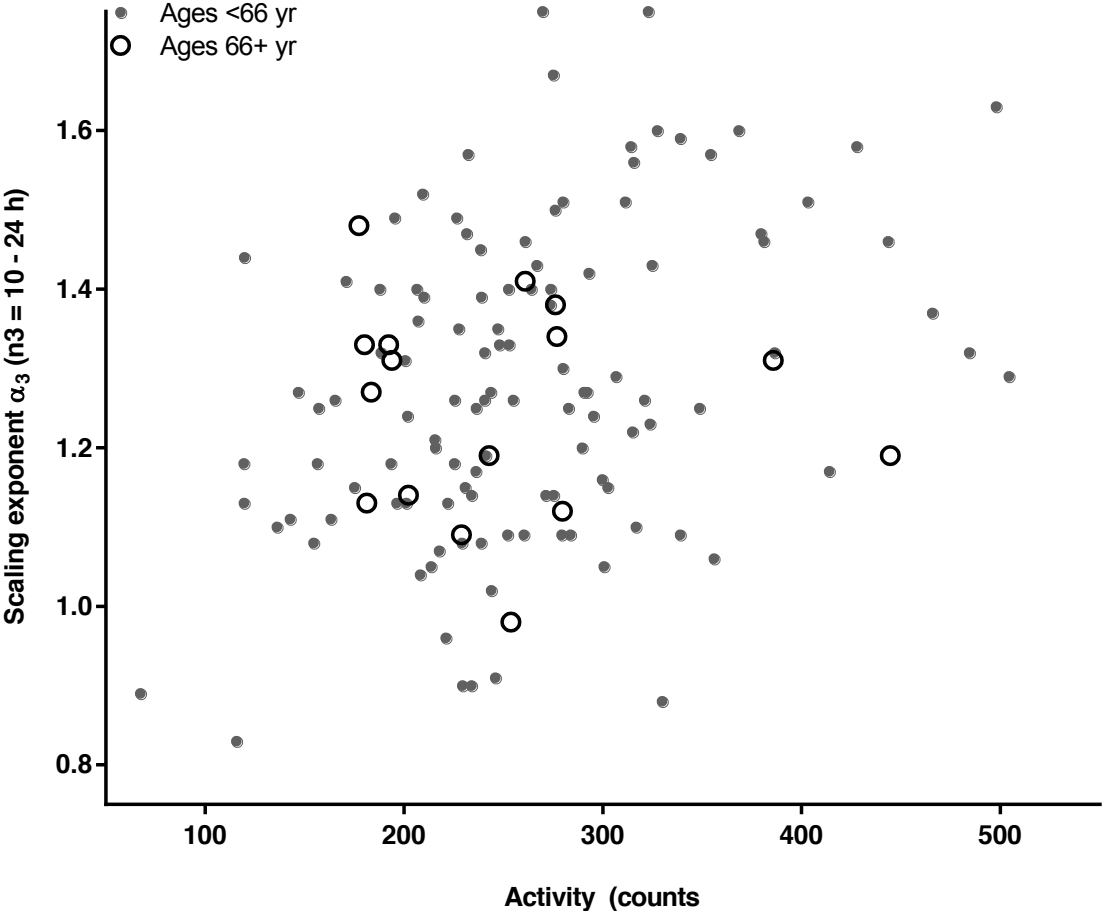
Definition of hypopituitarism

Corticotropin (ACTH) deficiency was defined as an insufficient increase in cortisol levels (<0.55 $\mu\text{mol/L}$) after an insulin tolerance test (ITT) or corticotropin releasing hormone stimulation test.

Thyrotropin (TSH) deficiency was defined as free thyroxin levels below the reference range (<10 pmol/L). Hypogonadism was defined as low testosterone levels (<8.0 nmol/L) in men, and absence of menstrual cycle for more than one year in the presence of low estrogen levels in premenopausal women. Growth hormone deficiency was defined as a growth hormone peak response to the ITT below 3 $\mu\text{g/L}$ (glucose nadir <2.2 mmol/L) or growth hormone releasing hormone / arginine test (with body mass index – adjusted growth hormone cut-offs) in case of contraindications for the ITT, according to guidelines (1).

1. Ghigo E, Aimaretti G, Corneli G. Diagnosis of adult GH deficiency. Growth Horm. IGF. Res. 2008;18(1):1-16.

Supplemental Figure 1. Scaling exponent α_3 (times scales 10-24 h) in 75 Dutch patients (NFMA and craniopharyngioma) by wrist activity in counts, in patients over or under 66 years old.



Supplemental Figure 2. Scaling exponent α_2 (times scales 1.5-10 h) in 75 Dutch patients (NFMA and craniopharyngioma) by wrist activity in counts, in patients that either did or did not receive radiotherapy.

