

Endogenous thyroid-stimulating hormone and radioactive iodine uptake in normal subjects

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In 105 normal volunteers, 52 male and 53 female, mean age 45 (range, 20-68), serum thyroid-stimulating hormone (TSH) (1.46 ± 0.7 ; range, 0.43-3.87 microUI/mL) and 24-hour thyroid radioactive iodine uptake (RAIU) ($16.15\% \pm 4.78\%$ range, 6.45%-30.08%) were measured.

Additionally, TSH was 1.18 ± 0.5 microUI/mL for 20 to 29 year-olds and 1.59 ± 0.9 microUI/mL for 60 to 68 year old ($P = 0.037$). RAIU was 18.30 ± 4.5 for 20 to 29-year-olds and 14.92 ± 3.1 for 60 to 68 year-olds ($P = 0.009$). TSH trends positively and RAIU at 24 hours correlates negatively with aging of the pituitary axis. © 2012 by Lippincott Williams & Wilkins.