Demonstrating a Link between Chronic Fatigue Syndrome and Low Thyroid Hormone Levels

Chronic Fatigue Syndrome (CFS)











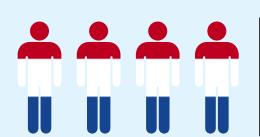


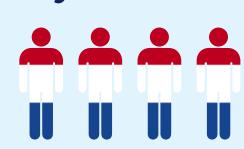
Current CFS diagnosis relies on symptoms and ruling out other illnesses, but not on lab tests. Several CFS symptoms even resemble a state of hypothyroidism.

Is CFS linked to low thryoid hormone levels?

Results of a case-control study from The Netherlands

98 patients with CFS





age- and sex-matched healthy controls











Patients with CFS had...

- **↓** T3 levels
- ↑ % reverse T3 levels
- ~ TSH levels

- Subtle low-grade inflammation
 - **↓** HDL-C
- ↑ TC/HDL-C
- **†** Ferritin

- **↓** Urinary iodine status
- **†** Vitamin D
- ~ Plasma selenium

CFS patients show lower free thyroid hormone levels pointing at 'low T3 syndrome' and a slow metabolism