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Satoyoshi syndrome

INSERM

Source

INSERM. (1999). *Orphanet: an online rare disease and orphan drug data base*. [Satoyoshi syndrome](#). ORPHA:3130

Satoyoshi syndrome is a rare, multisystemic autoimmune disease mainly characterized by intermittent painful muscle spasms, alopecia (totalis or universalis in most cases) and long-lasting diarrhea that could lead to malnutrition, growth retardation, and amenorrhea. Secondary bone deformities and various endocrine anomalies may also be associated. Antinuclear antibodies are reported in many cases.