



INFECTIOUS DISEASES (BACTERIAL, FUNGAL, VIRAL, PARASITIC, INFESTATIONS)

SUCCESSFUL TREATMENT OF TWENTY- NAIL DYSTROPHY IN CHILD WITH COMBINATION OF TOPICAL TREATMENT

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Background: Twenty- nail dystrophy (trachyonychia) is a nail sign condition that can be idiopathic but likely reflects alopecia areata, psoriasis, dermatitis, or lichen planus of the nail. Characterized by nail roughness due to excessive longitudinal ridging ('sandpapered nails'), more commonly found in children.

Observation: A six-year-old girls presented to the Soetomo General Hospital outpatient clinic with a chief complaint of yellowish discoloration and roughness of all his her fingernails and toenails, starting with the thumbs and simultaneously since four years earlier. At the time of presentation, the nails were dull, yellow, lusterless, and opaque with excessive longitudinal ridging and had a rough surface. She also complaint about the dry skin but no skin lesions elsewhere on the body. Potassium hydroxide smear and fungal culture of the nail scrapping were negative. A biopsy from nail clipping of the right finger was taken. It showed stain positive for spores. Other blood investigation showed high IgE serum (1,872 IU/mL).

Key message: Patient diagnosed with twenty nail dystrophy and she was treated with urea 20%, tretinoin 0,1% and clobetasol proprionate salf that are given in turn. In 3 months, the growth of normal looking healthy nails and decreased roughness of all the nails. This report highlights the challenges faced for those investigation investigating of the underlying cause and the treatment options of the disease.

