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Title: Yellow Nail Syndrome

Running Title: Yellow Nail Syndrome.

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A fifty-year old female presented to our clinic with the history of chronic cough. She was diagnosed with bronchiectasis since 30 years ago. Her symptoms were deteriorated recently. She reported yellowish discoloration of the fingernails and toenails for last 2 years with no response to antifungal treatments (figure 1). She noticed the slow grow of her fingernails since 4 years ago. There was also edema in the lower legs and both ankles since the last 6 months (figure 2). She was generally healthy with normal physical exam except for the edema. Considering the history of chronic cough, yellow nail, lower leg swelling with bilateral bronchiectasis (figure 3), she was diagnosed to have yellow nail syndrome. No related malignancies was detected.

Yellow nail syndrome is characterized by slow growing yellowish nails, lymphedema involving lower and upper limbs, pleural effusions, sinusitis, bronchiectasis and lower respiratory tract infections. It is usually diagnosed clinically and so far there is no known specific treatment (1,2). This syndrome is related to different malignancies and some immunodeficiency diseases (1) and one should consider these while evaluating the disease in order not to miss them.

References:

- 1. Vignes S, Baran R. Yellow nail syndrome: a review. Orphanet J Rare Dis. 2017;12(1):42. doi: 10.1186/s13023-017-0594-4.
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Figure Legends:

- Figure 1. A yellowish discoloration of distal one-third of nail plaque, thickening, and hyperkeratosis, in addition to excessive transverse curvature in fingernails (a) and toes (b).
- Figure 2. Lower limb lymphedema involving the feet, ankles and calves, with accentuation of the flexion folds
- Figure 3. Chest computed tomography shows bilateral bronchiectasis in lower zones.







