Yellow nail syndrome

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A 67 years old female patient, former smoker (20 pack/years), with a seven-year history of chronic dyspnea, bilateral ventilatory-dependent pain, fatigue, and dry cough, due to relapsing pleural effusion (Figure 1), associated with slow growth of yellow, thickened nails with disappearance of the cuticle and lunula (Figure 2). Three years ago, she developed edema of the lower limbs, suggestive of lymphedema (Figure 3). She has required several relief thoracocentesis until being submitted to bilateral pleurodesis, with improvement of pulmonary symptoms.

Her clinical presentation is consistent with Yellow Nail Syndrome (YNS), a rare disorder classically characterized by dystrophic yellow nails, lymphedema, and respiratory system abnormalities (pleural effusion, bronchiectasis, and chronic sinusitis), and the triad is observed in only 27% of the cases. Men and women are equally affected, predominantly middle age. Its exact etiopathogenic mechanism is unknown; however, theories have suggested changes in the lymphatic system and/or increase in vascular permeability and microangiopathy. Diagnosis is clinical, of exclusion, based on the presence of at least two out of the three clinical criteria. Treatment is aimed at controlling respiratory infections and pleural drainage. Pleurodesis is required in cases of voluminous, relapsing pleural effusions.

REFERENCES