



SKIN MANIFESTATIONS OF INTERNAL DISEASE

## THYROXINE INDUCED PRERADIAL MYXOEDEMA

Mary Chhangte<sup>(1)</sup> - Shikha Verma<sup>(1)</sup> - Binod Kumar Thakur<sup>(2)</sup> - Anita Marak<sup>(2)</sup>

North Eastern Regional Institute Of Health And Medical Sciences, Department Of Skin And Std, North Eastern Regional Institute Of Health And Med, India<sup>(1)</sup> - North Eastern Regional Institute Of Health And Medical Sciences, Department Of Skin And Std, Shillong, India<sup>(2)</sup>

**BACKGROUND:** Pretibial myxoedema is characterized by bilateral thickening and induration of the skin on the shins and dorsa of the feet. It is most commonly described in patients with hyperthyroidism, especially Graves disease. Although pretibial myxedema generally appears as indurated plaques on the shins it has also been rarely reported in other areas such as the face, shoulders, arms, and abdomen.

**OBSERVATION:** We report a rare case of preradial myxoedema in a 70 year old hyperthyroid patient who presented with indurated plaques on the upper extremities. She had been taking thyroxine on her own after a thyroidectomy was done 14 years back for goitre. A biopsy revealed mucin deposits with splaying of the collagen bundles in the dermis. Her T3 and T4 levels were high with low TSH levels. To the best of our knowledge, this is the first case of preradial myxoedema reported in the English dermatological literature, probably due to long term intake of thyroxine.

**KEY MESSAGE:** Clinical suspicion of preradial myxoedema in a patient with hyperthyroidism is important as the presentation may be missed since it is a rare occurrence.

