

## LINEAR SCLERODERMA WITH UNILATERAL RAYNAUD'S PHENOMENON

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### Summary

A case of linear scleroderma with Unilateral Raynaud's phenomenon is reported.

Linear Scleroderma, a relatively uncommon disease, is seen mostly in young persons with majority of cases beginning before the age of 20 years. Single or multiple indurated areas develop along the course of a peripheral nerve or of a dermatome or elsewhere. An initial plaque may increase in size and finally many plaques may coalesce. Hypopigmentation or hyperpigmentation, atrophy and sclerosis occur in the course of the disease. Linear scleroderma may involve muscle and periosteum<sup>1</sup>. Occasionally it may be associated with Raynaud's phenomenon and arthralgia<sup>3</sup>.

A patient with linear scleroderma with unilateral Raynaud's phenomenon is presented in view of extreme rarity of such occurrence.

### Case Report

A 17 years old female attended the dermatology clinic with the history of a hypopigmented, thickened and linear patch over her left shoulder for

8 years which had gradually spread to involve the chest wall, arm and forearm. One year before she had developed intolerance to cold in the left hand.

Cutaneous examination revealed a linear, hypopigmented, sclerosed, non indurated patch extending from the left side of chest to the left shoulder, arm and forearm. Raynaud's phenomenon could be demonstrated in the left hand.

Systemic examination did not reveal any abnormality.

Histopathological examination of the skin was consistent with the diagnosis of localized scleroderma.

### Discussion

Involvement of muscle and periosteum may occur in linear scleroderma<sup>1</sup>. Rarely Raynaud's phenomenon may develop in cases of linear scleroderma and still more rarely occurs unilaterally<sup>4</sup>. Our patient presented with the unilateral Raynaud's phenomenon in the affected extremity.

Christianson et al<sup>5</sup> observed arthralgia in 4% of cases with localized

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morphoea and 40% of cases with generalised morphoea. The present case had no history of arthralgia.

### References

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### 1st Asian Congress on STD, Family Planning and Human Sexuality

Bombay Social Hygiene Council is organising the First Asian Congress on Sexually Transmitted Diseases, Family Planning and Human Sexuality in Bombay from 4th to 6th December 1981, with the co-operation of Family Planning Association of India and Maharashtra State branch of the Association of Dermatologists, Venereologists and Leprologists.

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