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Hypopigmented Skin Lesion with Unique Appearance on the Left Forearm: A Rare Entity

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Abstract

This present report describes a rare case of the hypopigmented skin lesion with a unique appearance. A six-year-old female child was presented with multiple, round, white-colored hypopigmented lesions on the dorsal aspect of the left distal forearm since birth, which has been reported for its unique clinical presentation, rarity, and dermatoscopic features. In this case, the dermatoscopic findings were different in pattern, a net or chain-like appearance which consisted of linear, large regular circular networks of hypopigmented lesions. The patient's parent denied for a skin biopsy because of the asymptomatic nature of the lesions. The musculoskeletal, neurological, cardiovascular and ophthalmological examination didn't reveal any abnormality. The parents were explained about the skin lesion. As it is non-progressive, it does not require any treatment. To our knowledge, this is the rarely reported entity that has a unique appearance of hypopigmented skin lesion associated with cobblestone or a chain like appearance.

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A 6-year-old female child was presented in our department with multiple, round white-colored hypopigmented lesions on the dorsal aspect of the left distal forearm since birth, gradually increasing in size with age. There was no history of seizures, visual or hearing defects, inborn errors of metabolism, nutritional deficiencies and developmental delay. She did not have any history of inflammation on the hypopigmented lesion. Family history was not contributory. A physical examination revealed multiple, uniform, linear round hypopigmented lesions measuring about 5×0.5cm, unilaterally distributed patch or streak pattern similar to the road paved with cobblestone and chain-like appearance. The lesion appears with the block-like configuration as shown in Fig. 1.

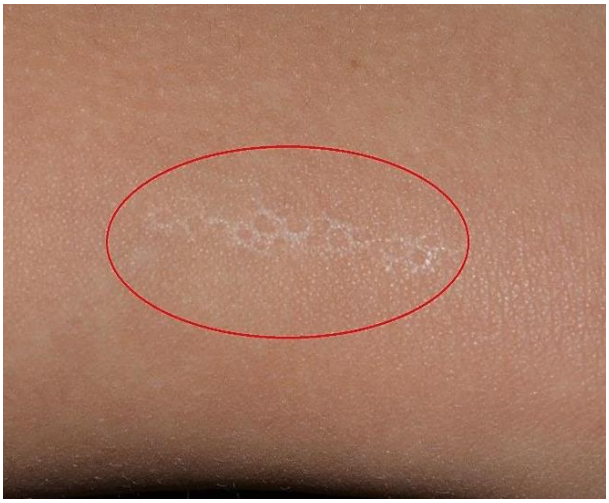

Fig. 1 Multiple, uniform, linear round hypopigmented lesions, unilaterally distributed patch or streak pattern similar to the road paved with cobblestone and chain like appearance with block-like configuration seen on the patient's dorsal aspect of the left distal forearm (red circle).

Fig. 2 Wood lamp's examination showing the lesion an off-white accentuation (red circle).

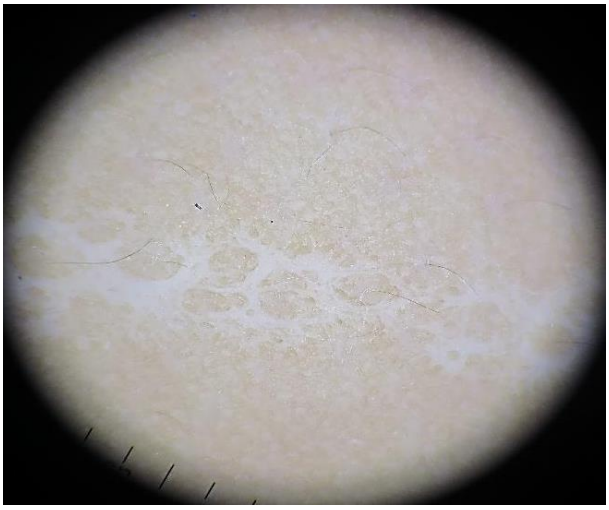

Fig. 3 Dermatoscopic images of a patient's left distal forearm showing some multiple, linear, large regular circular networks surrounded by a whitish patch with a net or a chain like appearance.

The surrounding skin was normal. On Wood lamp examination, the lesion shows an off-white accentuation as shown in Fig. 2. Dermatoscopic examination revealed multiple, linear, large regular circular networks surrounded by a whitish patch which look like a net or a chain like appearance as shown in Fig. 3. The patient's parent denied for a skin biopsy because of the asymptomatic nature of the lesions. The musculoskeletal, neurological, cardiovascular and ophthalmological examination didn't reveal any abnormality. The parents were explained about the skin lesion. As it is non-progressive, it does not require any treatment. Proper counseling to parents is sufficient to relieve fear factors. In this present report, we describe a rare case of the congenital hypopigmented skin lesion with a unique appearance on the left distal forearm.

Here, in our case, hypopigmentation disorders present in early childhood from birth with no any congenital anomalies. Naveen et al. [1] revealed "net-like" pattern of pigmentation in the dermatoscopic examination of linear and whorled nevoid hypermelanosis (LWNH) and Ertam et al. [2] described a case of LWNH with "parallel" pattern consisted of a linear or circular arrangement of parallel whorled streaks along lines of Blaschko. In the present case, the dermatoscopic findings were different in pattern, a net or chain-like appearance which consisted of linear, large regular circular

networks of hypopigmented lesions. To our knowledge, this is the rarely reported entity that has a unique appearance of hypopigmented skin lesion associated with cobblestone or a chain like appearance. This present case has been reported for its unique clinical presentation, rarity, and dermatoscopic features. We could not describe this lesion to any certain hypopigmentation related disease which has been reported.

Conflicts of interest

All authors declare that they have no conflict of interest.

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