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Dermatoses in flood

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Climate change is a cause of natural disasters posing social and public health problems. There are various skin diseases of 163 patients (71 males and 92 females) were detected in post-flood medical tour (August and September, 2016) of Kyone Pyaw and Zalun of Ayerwady Division, flooded areas in June and August, 2016. The skin conditions were classified into two groups, itchy (85.2 %) and non- itchy (14.7 %) dermatoses. 142 patients were > 12 years old and 21 patients were < 12 years, the youngest was 2 and a half months and the eldest was 75 years. The most common flooded related itchy dermatosis was urticaria (12.3 %). It was followed by contact dermatitis (7.9 %), insect bite reaction (4.3 %) and photodermatitis (2.5 %). The flooded aggravated itchy dermatosis were tinea infection (25.8 %), eczema (25.63 %), scabies (2.5 %), fixed drug eruption (1.8 %), psoriasis (1.22 %), pityriasis versicolor (0.6%) and pityriasis rosea (0.6 %). Non - itchy dermatoses were vitiligo (4.3 %), acne, impetigo and cutaneous amyloidosis (1.22 % in each); fish bone trauma, senile purpura, acrocordon, syringoma, mole, melasma, hypertrophic scar, systemic lupus erythematosus, neurofibromatosis type 1, and molluscum contagiosum and Hensen's disease (0.6 % each). In this study, itchy dermatoses markedly exceed non - itchy dermatoses. Urticaria and contact dermatitis were at the top of itchiness during and after flood. The possible causes of itchiness for urticaria, contact dermatitis and preexisting dermatoses were fertilizers and contaminants in the flood water.

Biography

Myat Sanda Kyaw has completed MBBS (1993), Diploma in Dermatology in Thailand (2000), M. Med. Sc (Dermatology) (2002), University of Medicine (1), Yangon and Diploma in Medical Education (2014). She is professor, Dermatology department, University of Medicine 2, Yangon, Myanmar. She was published article of Myanmar Environmental Dermatoses, 2015, 13th Asia Pacific Environmental and Occupational Dermatology Symposium and The 38th Philippine Dermatological Society Annual Convention; Psoriasis patients at Yangon General Hospital, 2016, Burma medical journal and Traditional and Ethnobotanical Dermatology Practices in Myanmar, Clinics in Dermatology, 2018. She is professor of first Master degree course of Dermatology, University of Medicine 2, Myanmar.

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