Dermatological survey in Myanmar

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Abstract

We had dermatological survey about arsenic poisoning in Myanmar in 2016 and 2017. Report the dermatogical finding.

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1. Arsenic pollution in Toroku, Japan

Toroku is a small villege in Miyazaki,Japan (fig1).There was mine with arsenopyrite production and arsenic pollution was found in 1973.

Medical examination was started and we diagnosed 202 patients(male 108,female 94).(Fig 2)

We research many countries in ASIA.(Fig.3)

And we have recentry hold the survey in Myanmar in 2016 and 2017.

2. Skin manifestation in arsenicosis

Arsenicosis is defined as a chronic condition arising from prolonged ingestion of arsenic above safe dose for at least six months, usually manifested by characteristic skin lesions of melanosis and or keratosis with or without involvement of internal organs.

Chronic arsenicism is characterized by mottled hyperpigmentation with areas of hyperpigmentation, keratoses on the palms and soles(and other sites), and multiple non-melanoma skin cancers, particularly Bowen's disease.

Histologically, arsenical neoplasia is almost identical to actinic neoplasia.

3.Result

Numer of people who has arsenic caused skin lesion is 37/627 (<50 ppd) and 63/515(>=50ppd).



Fig.1 Toroku, Japan



Fig.2 Collabolation in Arsenic Pollution in Toroku, Japan



Fig.3 Map of Arsenic Pollutions in ASIA

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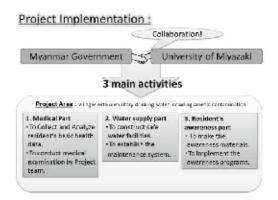


Fig.4 Collaboration in Arsenic Pollution in Myanmar

Table.1 Number of people who have or not arsenic caused skin lesion, taking arsenic contaminated tube water in dry seasons

	Yes	No
<50ppd	37/627(5.9%)	590/627(94.1%)
>=50ppd	63/515(12.3%)	492/515(87.7%