A smallpox vaccination certificate

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Compulsory vaccination in Hong Kong began in 1888, when the Vaccination Ordinance was enacted in response to a severe epidemic the year before. All infants were required by law to be vaccinated before the age of 6 months, and only vaccination performed by a medical practitioner or a government-appointed public vaccinator was recognised; unauthorised persons who performed inoculations would be penalised. A certificate of vaccination would be issued and the parents were required to register the vaccination with the stipulated government department within a specified period.

This certificate of successful vaccination (Fig 1) was issued for a smallpox vaccination in January 1950. The vaccinator was a Ms Mei-ching Yip, a midwife who ran a private maternity home in Shanghai Street, Yaumatei, Kowloon. Because the baby was unnamed at the time, it was recorded on the certificate as 'Tai So' (大蘇), meaning 'firstborn boy'. The parents then took this certificate to the Registrar of Births and Deaths where a stamp was made on the right upper corner of the certificate as a proof of registration.

Vaccination was an important measure for the control of smallpox in Hong Kong. The vaccines were produced initially by the Vaccine Institute, which was established in 1892. Production was taken over by the Bacteriological Institute in Sai Ying Pun from 1906 until 1973, when the Institute of Immunology was opened in Victoria Road, Pokfulam.3 The smallpox vaccines (Fig 2) were produced using various techniques, including injection of pox viruses into the bellies of buffalo calves. The number of smallpox vaccines produced rose from 8797 in 1906 to 17536 in 19083 and the vaccines were distributed to various local clinics, hospitals, and maternity homes; the Bacteriological Institute was also able to supply vaccines to some neighbouring cities.4 A variety of special vaccination knives and techniques were used at this time to ensure success.5

Around 1950, smallpox vaccination was no longer compulsory and instead became one of the recommended immunisations for a child. As well as the vaccination of newborn babies, revaccination at school entry was also introduced. The last local



FIG 1. Certificate of successful vaccination (image courtesy of the Hong Kong Museum of Medical Sciences)



FIG 2. Glycerolated smallpox vaccine. The label notes that it was manufactured by the Hong Kong Government's Institute of Pathology, contained no more than 0.4% phenol and required storage at a temperature below 5°C (image courtesy of the Hong Kong Museum of Medical Sciences)

Organization announced the global eradication medical practitioners was also discontinued.⁶

case of smallpox was recorded in 1952. Hong Kong of smallpox later that year. On 1 January 1981, was declared smallpox-free on 30 July 1979 by the smallpox vaccination was formally deleted from the Hong Kong Government and the World Health immunisation schedule and supply of the vaccine to

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