

The Role of Vaccine for Reproductive Health in Developing Countries

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Human

----- The most important productivity in society

Every year, there were about 5 million disfiguring babies born in the world.

Every 5-6 minutes, there was one case happened, 85% of them are in developing countries.

Vaccine immunization is one of the economical and effective methods to avoid it.



The Role of Vaccine in Reproductive Health field

- ◆ **Application of Tetanus Vaccine & Antitoxin in pregnant woman greatly reduced tetanus happened on pregnant and new babies who were accouched by non-science methods.**
- ◆ **Poliomyelitis vaccine oral, protect Children to avoid body deformity caused by poliomyelitis virus.**
- ◆ **Immunization of adult Hepatitis B Vaccine, it not only protect immune person to avoid being infected by HBV, but also interrupt the Perinatal Transmission.**
- ◆ **Rubella Vaccine immunization, prevent children's Congenital Rubella Syndrome (CRS)**

The prevention of Congenital Rubella Syndrome (CRS) had been treated as the important measure for stirpiculture in developed countries, Such as

In America, European Community, The immunization of Measles Rubella & Mumps (MMR) for children has been treated as the integrant qualification of enrollment and entering a country for children.

In Canada and some countries, the rules regulated that women have to hold the certificate about the immunization of rubella vaccine and the test of rubella antibody to ask for marriage licence.

In developing countries, Using vaccine to prevent CRS is still an austere problem

The present situation of vaccine immunization in China



- **In China, vaccine research and production was started in 1919.**
- **48 kinds of vaccines were produced here.**
- **About 1.5 billion doses of vaccines were provided to society annually.**
- **The quantity of enterprises for vaccine production have been increased to 40 from the original 7.**
- **More than 60% of products origin from the 6 biological institutes applied with CNBC.**

Institutes Distribution





National Vaccine & Serum Institute

Founded in 1919

TIANTAN-BIO (BTBP)

In 1998, collected capital and stocks went on the market. It is the most famous biological products enterprise and listed high-tech company in this filed.



The population of China account for 1/5 quantity of the world.

6 biological products institutes are as the producing base. Annual output 1.5 billion doses of bacterial & viral vaccine were to be used on children and adult with safety and effectivity. Guaranteed billions of population's good lives. It was not only the great contribution on disease control for China, but also for the whole world. This achievement lies on the two aspects of reason, one is that the enterprise provided the products with good quality and economical price; the other one, the government recognize Children's prevention and health protection.



Representation

1. Actively capital Collection , ensure the effectual operation of EPI
2. Encourage enterprise to research more effective vaccines and promote them into market continually ;
3. Enacting policies to ensure the rate of vaccine inoculation arriving at the high level ;
4. Government was the first to do the commonweal advertisement for preventive inoculation.

Suggestion

For Chinese, the application of billions doses vaccine proves: we have not only good products, but also have the advantage of price. At present, we are consciously promote our products to the international market, share the mature products with developing countries together.

- **Constitute the universal standard of registration and authentication in developing countries.**
- **Vitrification and unimpeded for the channel of products supply.**
- **Communicate the experiences form each other termly, cause the share of information and resource.**
- **Establish the system of international market, communicate the information of market (Price, ability, demand etc.), accelerate the exploitation and using about correlative technical property right.**

Expectation

Sincerely expect your suggestion and help to improve the application of our products more extensively in developing countries.





Thanks

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