

# CLINICAL AND EXPERIMENTAL VACCINE RESEARCH

Clin Exp Vaccine Res 2012;1:1-2  
<http://dx.doi.org/10.7774/cevr.2012.1.1.1>  
 pISSN 2287-3651 • eISSN 2287-366X

Received: May 10, 2012  
 Revised: June 1, 2012  
 Accepted: June 15, 2012



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Since the time of Edward Jenner, vaccines have been scientifically acknowledged to be one of the most cost-effective means for human beings to survive various infectious diseases causing enormous morbidity and mortality. In Korea, there had been earlier literature regarding the concept of vaccination even before Suk-Young Ji introduced the practice of smallpox vaccination in late 19th century. During the past over 20 years, the naturally occurring smallpox had been declared eradicated worldwide, and many infectious diseases such as diphtheria, tetanus, pertussis, poliomyelitis, measles, mumps, rubella, hepatitis A, hepatitis B, and yellow fever are called vaccine preventable diseases.

Now we live in the era of immunization against not only infectious diseases but also oncologic and/or immunologic diseases. These achievements were built on the remarkable development of basic sciences which include, but are not limited to, biology, molecular biology, biochemistry, genetics, genetic engineering, immunology, microbiology, and pharmacology.

The need of immunization is also significant in the field of other living creatures nowadays. The zoonotic diseases, such as avian influenza, are still huge potential threat to humans. In addition, veterinarian diseases such as foot-and-mouth disease could be a deteriorating disaster in the field of livestock industry. Recent issues of bioterrorism are another concern lightening the importance of vaccines.

In accordance with the development of effective vaccines, the importance of proper decisions on the immunization policy cannot be overemphasized. The licensure of vaccines, their introduction into the public health program, and the prioritization of them in regional, national and global aspects should be carefully evaluated, discussed in depth, and performed on the scientific evidences.

As the need of vaccine is increasing, the scale of vaccine related pharmaceutical industry is also expanding. This industrial field should be dealt with as an economic leading engine for future growth, as well as the national security and defense capability.

Clinical and Experimental Vaccine Research (Clin Exp Vaccine Res) is an official publication of Korean Vaccine Society which was founded in 2011 by the members from various fields related with vaccines. The Journal, however, will be the agora for researchers from all around world struggling with all these matters related to vaccines; scientists at benches, practitioners using vaccines, engineers advancing vaccines more effective and safer, and policy makers on vaccines. This peer reviewed journal surely contribute

to exchanging ideas and share new discoveries in vaccine research, to building the infrastructure connecting basic science to real-life programs, and to making frameworks to collaborate among researchers. The journal is prepared to record all efforts of endeavoring scientists working on vaccines and each article will be a mark in ongoing history in vaccinology. Why don't you join and take a role in this fascinating work?

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