WHO Immunological Basis for Immunization Series

Module 16: Mumps Update 2020

Immunization, Vaccines and Biologicals



World Health Organization

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Abbreviations and acronyms

EPI	Expanded Programme on Immunization
CMI	Cell-mediated immunity
CDC	(United States) Centers for Disease Control and Prevention
CI	Confidence interval
CTL	Cytotoxic T cell
DNA	Deoxyribonucleic acid
EIA	Enzyme immunoassay
ELISA	Enzyme-linked immunosorbent assay
F	Fusion protein
HN	Haemagglutinin-neuraminidase
HLA	Human leukocyte antigen
IFN	Interferon
L	Large protein
М	Matrix protein
MMR	Measles, mumps and rubella
Nm	Nanometre
NP	Nucleoprotein
Р	Phosphoprotein
PRN	Plaque reduction neutralization
RNA	Ribonucleic acid
RT-PCR	Reverse transcription polymerase chain reaction
SH	Short hydrophobic membrane-associated protein
TNF	Tumour necrosis factor
UNICEF	United Nations Children's Fund
WHO	World Health Organization

Preface

This module is part of the WHO series *The immunological basis for immunization*, which was initially developed in 1993 as a set of eight modules comprising one module on general immunology and seven modules each devoted to one of the vaccines recommended for the Expanded Programme on Immunization – i.e. vaccines against diphtheria, measles, pertussis, polio, tetanus, tuberculosis and yellow fever. Since then, this series has been updated and extended to include other vaccines of international importance. The main purpose of the modules is to provide national immunization managers and vaccination professionals with an overview of the scientific basis for vaccination against a range of important infectious diseases. The modules developed since 1993 continue to be vaccine-specific, reflecting the biological differences in immune responses to the individual pathogens and the differing strategies employed to create the best possible level of protection that can be provided by vaccination. The modules also serve as a record of the immunological basis for the WHO recommendations on vaccine use, published in the WHO vaccine position papers.¹

See: <u>http://www.who.int/immunization/documents/positionpapers_intro/en/index.html</u>, accessed 31 July 2018.

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