

The Role of Vaccination Against Sexually Transmissible Infections

Essay

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List Of Abbreviations

- **AA:** Amino acid.
- **AAV:** Adeno-associated virus.
- **ACIP:** Advisory committee on immunization practices.
- **Ad:** Adeno virus.
- **AD-1:** Antigenic domain-1.
- **Ad5HVR:** Adeno viruses Hexon Hyper Variable Region.
- **ADCC:** Antibody-dependent cellular cytotoxicity.
- **ADCVI:** Antibody-dependent cell-mediated virus inhibition.
- **AIDS:** Acquired immunodeficiency syndrome.
- **AIN :** Anal intra epithelial neoplasia.
- **AIS:** Adenocarcinoma insitu.
- **Alum:** Aluminum.
- **ALVAC:** Canary pox.
- **Anti - HBs:** Anti - hepatitis B surface.
- **ANTI-HBc:** Anti - Hepatitis B Core antibody.
- **ARP:** acidic repeat protein.
- **ART:** Anti retroviral therapy.
- **ATP:** According to protocol.
- **BAC:** Bacterial artificial chromosomes.
- **BALB/c:** Albino, laboratory - bred strain of house mouse.
- **BCG:** Bacilli Calmette Guerin.
- **BCP:** Basal core promoter.

- **BPV: Bovine Papillomavirus.**
- **C and Pre-C gene:** Core and pre- core gene.
- **C4bp:** Complement 4 binding protein.
- **C5a:** Complement activation product.
- **CCC DNA:** Covalent Closed circular DNA.
- **CCR-5:** Chemokine receptors 5
- **CD4+:** Cluster of differentiation 4+.
- **CD8+:** Cluster of differentiation 8+.
- **CDC :** Centers for disease control and prevention.
- **CEACAM -1:** Carcinoembryonic antigen cellular adhesion molecule -1.
- **CFU:** Colony forming unit.
- **Ch Ad:** Chimpanze adenovirus.
- **CHO:** Chinese hamster ovary.
- **CI:** Confidence interval.
- **CIN:** Cervical intra epithelial neoplasia.
- **CLIA:** Monoclonal luminex - based assay.
- **CLN - P:** Central Laboratory of the Netherlands - Plasma derived vaccine.
- **CMV:** Cytomegalovirus.
- **CNS:** Central nervous system.
- **COMC:** Chlamydial outer membrane complex.
- **COPV:** Canine oral papillomavirus.
- **CPAF:** Chlamydial protease-like activity factor.
- **CR3:** Complement receptor 3.

- **CRF:** circulating recombinant forms.
- **CRPV :** Cotton tail rabbit papillomavirus.
- **CSF:** Cerebrospinal fluid.
- **CTB-CPG:** Nontoxic subunit B of cholera toxin.
- **CTL:** Cytotoxic T. lymphocyte.
- **CXCL13:** A gene on chromosome 4q21 that encodes CXC-type chemokine.
- **CXCR-4:** Chemokine receptor 4
- **3D-MPL:** 3-de-o-acylated monophosphoryl lipid A.
- **DC:** Dendritic Cells.
- **DNA:** Deoxyribonucleic acid.
- **DRG:** Dorsal root ganglia.
- **DTaP:** Diphtheria and tetanus toxoids and a cellular pertussis.
- **DTP:** Diphtheria -Tetanus - Pertussis.
- **DTWP:** Diphtheria and Tetanus toxoids and Whole-cell Pertussis.
- **E1-E7 :** Nonstructural proteins.
- **EB:** Elementary body.
- **EIA/CIA:** Enzyme and chemiluminescence immunoassay.
- **ELISA:** Enzyme linked immunosorbent assay.
- **EMA:** European Medicines Agency.
- **Env:** Envelope.
- **EPI:** Expanded program on immunization.
- **ES :** Elite suppressors.
- **EU:** Exposed uninfected.

- **EV** : Epidermodysplasia verruciformis.
- **FDA** : Food and drug administration.
- **FH**: Factor H.
- **FHbp**: Factor H binding protein.
- **FOXP3**: Forkhead box p3 (Transcription factor).
- **FP**: Footpad.
- **FTA-ABS**: Fluorescent treponemal antibody-absorbed.
- **G**: Glycine.
- **Gag**: Group specific antigen.
- **Gal Cer**: Galactosyl Ceramide.
- **GALT**: Gut-Associated Lymphoid Tissues.
- **GC**: Gonococcus.
- **gD2**: Glycoproteine D.
- **GM-CSF**: Granulocyte Monocyte-Colony Stimulating Factor.
- **GMTs**: Geometric mean titers.
- **gp**: Glycoprotein B:
- **GSK**: Glaxo Smith Kline.
- **HA**: Hemagglutinin Antigen.
- **HAART**: Highly active anti retroviral therapy.
- **HA-VRP**: Hemagglutination antigen- Viral replicon particles.
- **HBcAg**: Hepatitis B core antigen.
- **HBIG**: Hepatitis B immune Globulin.
- **Hbp**: Hemoglobin-binding protein.
- **HBsAg**: Hepatitis B surface Antigen.
- **HCC**: Hepatocellular carcinoma.

- **HCDR3:** Heavy chain complementarity determining region 3.
- **HCMV:** Human cytomegalovirus.
- **HCV:** Hepatitis C virus.
- **HEPS :** Highly exposed persistently seronegative.
- **HIB:** Haemophilus influenza type b conjugate.
- **HIV-LIPO-5 vaccine:** HIV-Lipopeptide-5 vaccine.
- **HLA:** Human leucocytic antigen.
- **HPV :** Human papilloma virus.
- **HR:** Hazard ratio.
- **HR-HPV:** High-risk Human papillomavirus.
- **HSIL:** High - grade squamous intra epithelial lesions.
- **HSPGs:** Heparan Sulphate proteoglycans.
- **HSV:** Herpes simplex virus.
- **Hu-PBL-SCID:** Human peripheral blood leukocytes severe combined immunodeficient.
- **IAVI:** International AIDS Vaccine Initiative.
- **ICAM-1:** Intracellular adhesion molecule - 1.
- **ICP0:** Immediate early infected cell protein 0.
- **ID:** intradermal.
- **IDUS:** Injection -Drug Users.
- **IE1:** Immediate–early protein.
- **IFN :** Interferon.
- **IgA :** Immunoglobuline A.
- **IgG :** Immunoglobuline gamma.
- **IL:** interleukin.

- **IN:** Intranasal.
- **IPV:** Inactivated poliovirus vaccine.
- **ISCOM:** Immune - stimulating complexes.
- **ITT:** Intention to treat.
- **IVB:** Immunization, Vaccines and Biologicals.
- **JORRP:** Juvenile-onset recurrent respiratory papillomatosis.
- **KB :** kilo bases.
- **KDa:** Killo-Dalton.
- **KIR:** Killer immunoglobulin receptors.
- **L1 :** Major capsid protein.
- **L2 :**Minor capsid protein.
- **Lbp:** Lactoferrin- binding protein.
- **LCR:** Long control region.
- **LFA-1:** Lymphocyte function-associated antigen -1.
- **LOS:** Lipo-oligosaccharide.
- **LSIL :** Low-grade squamous intra epithelial lesions.
- **LTC:** Long -Term-Care.
- **M :** Major.
- **MAbs:** Monoclonal antibodies.
- **MC:** Meningococcal.
- **MCMV:** Murine Cytomegalovirus.
- **MCP:** Monocyte chemoattractant protein.
- **MCP-1:**Monocyte chemotactic protein 1.
- **MHC:** Major histocompatibility complex.
- **MMP:** Matrix metalloproteinase .

- **MOMP:** Major outer membrane protein.
- **MoPn:** Chlamydia muridarum mouse pneumonitis.
- **MPER:** Membrane-Proximal External Region.
- **MPL:** Monophosphoryl lipid.
- **mRNA:** Messenger RNA.
- **MSD-P:** Merck, Sharp, Dohme.
- **MSM:** Men who have sex with men.
- **M-TROPIC:** Macrophage Tropic.
- **MVA:** Modified Vaccinia Ankara.
- **N :** Non-m and non-o
- **NA:** Not applicable.
- **NadA:** Novel adhesion A.
- **ND:** Not determined.
- **NGU:** Non gonococcal urethritis.
- **NHANES:** National Health and Nutrition Examination Survey.
- **NHBP:** Novel heparin binding protein.
- **NHP:** Non human primate.
- **NIAID:** National Institute of Allergy and Infectious Diseases.
- **NIH:** National Institute of Health.
- **NK:** Natural Killer.
- **nMOMP:** Native major outer membrane protein.
- **NR:** Not reported.
- **NT:** Nucleotide.
- **NY:** New York .
- **NYVAC:** New York Vaccinia virus strain.

- **O** : Outlier.
- **OM**: Outer membrane.
- **OMV**: Outer membrane vesicles.
- **Opa**: opacity protein.
- **OPA**: Opsonophagocytic activity.
- **OPV**: Oral poliovirus.
- **ORF** : Open reading frame.
- **OSP**: Outer surface protein.
- **P gene**: polymerase gene .
- **p**: plasma - derived vaccine.
- **P7-P17-P24**: Internal viral proteins.
- **Pap**: Papanicolaou smear.
- **PBMCS**: Peripheral Blood Mononuclear Cells.
- **PCR**: Polymerase chain reaction.
- **PCT**: Plasmid chlamydia trachomatis.
- **PD-1** : Programmed death-1.
- **PEP**: Postexposure prophylaxis.
- **PGE2**: Prostaglandine E2.
- **PID**: Pelvic inflammatory disease.
- **Pil**: Pili.
- **PKR**: dsRNA-activated protein kinase.
- **PMN**: Polymorphonuclear leukocyte.
- **pol**: polymerase.
- **Por B**: Porin B protein.
- **PP**: Per protocol

- **PP65:** Major matrix protein.
- **Pr 55:** Protein 55.
- **pVLs:** Plasma viral loads.
- **PWIDS:** People who inject drugs.
- **R:** Arginine.
- **r:** recombinant DNA.
- **rAAV:** Recombinant adeno associated virus.
- **RB:** Reticulate body.
- **rCPAF:** chlamydial protease-like activity factor.
- **RFLP:** Restriction fragment length polymorphism.
- **rMOMP:** Recombinant major outer membrane protein.
- **RMP:** Reduction-modifiable protein.
- **Ro:** Reproductive membrane.
- **RPR:** Rapid plasma reagin.
- **RR:** Relative risk.
- **RRP:** Recurrent respiratory papillomatosis.
- **rrPorB:** Refolded recombinant porin B.
- **RT :**Reverse transcriptase.
- **rVCG:** Recombinant vibrio cholera ghost.
- **rVSV:** Recombinant vesicular stomatitis virus.
- **SBA:** Serum bactericidal antibody.
- **SCID:** Sever combined immunodeficiency.
- **SHIV:** Simian Human immunodeficiency virus.
- **SIV:** Simian immunodeficiency virus.
- **SIVcpz:** Simian immunodeficiency virus chimpanzee.

- **SIVgor:** Simian immunodeficiency virus gorillas.
- **SIVIG:** SIV immunoglobulin.
- **SIVmac:** Simian immunodeficiency virus macaque.
- **SOS:** Disulfide Linkage.
- **STAT1:** Signal transducers and activators of transcription 1.
- **STDs :** Sexually transmitted diseases.
- **STIs :** Sexually transmissible infections.
- **TAP:** Transporter associated with antigen processing.
- **Tbp1, Tbp2:** Transferrin-binding protein1 and 2.
- **TCID:** Tissue culture infectious dose.
- **Tg:** Transgenic.
- **TGF:** Transforming growth factor.
- **TGF-B :** Transforming growth factor-B.
- **The C ORF:** The core open reading frame.
- **TLRs:** Tool-like receptors.
- **TNF:** Tumor necrosis factor.
- **TpF1:** Treponema pallidum miniferitin.
- **TPHA:** Treponemal pallidum hemagglutination.
- **TpN:** Treponema pallidum lipoprotein.
- **TP-PA:** Treponemal pallidum particle agglutination.
- **Tpr:** Treponemal pallidum repeat.
- **Tregs :** Regulatory T cells.
- **TRIM:** Tripartite motif.
- **TROMPS:** Treponema rare outer membrane proteins.
- **TRUST:** Toluidine red unheated serum test.

- **T-TROPIC:** T-lymphotropic.
- **TVC:** Total vaccinated.
- **UNAIDS:** United nations program on HIV/AIDS.
- **URF:** Unique recombinant forms.
- **V1-V2-V3:** Hyper variable loops.
- **VAERS:** Vaccine Adverse Events Reporting System.
- **VCAM:** Vascular cell adhesion
- **vCP1521:** Recombinant canarypox vector vaccine.
- **VDRL:** Venereal Disease Research Laboratory.
- **VE:** Vaccine efficacy.
- **VEEV:** Venezuelan equine encephalitis virus.
- **VLP:** Virus-like particle.
- **VRP:** Viral replicon particles.
- **VSD:** Vaccine Safety Data link.
- **VSV:** Vesicular stomatitis virus.
- **VTE:** Venous Thromboembolic Events.
- **VVΔE3L:** Vaccinia virus lacking E3L.
- **VZV:** Varicella zoster virus.
- **WBC:** White blood cell.
- **WHO:** World Health Organization.

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