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poliomyelitis is a highly infectious disease caused by a virus belonging to the picornaviridae family it finds a mention even in ancient egyptian paintings and carvings the clinical features are varied ranging from mild cases of respiratory illness gastroenteritis and malaise to severe forms of paralysis poliomyelitis or polio is an infectious disease transmitted by fecal oral contamination with lymphatic replication before global health efforts polio caused widespread morbidity and mortality in children during multiple epidemics between 1900 and 1950 poliomyelitis is caused by poliovirus which is a positive strand non enveloped virus that occurs in three distinct serotypes 1 2 and 3 infection is mainly by the fecal oral route and can be confined to the gut by antibodies induced either by vaccine previous infection or maternally acquired introduction polio is a faecal orally transmitted highly infectious disease caused by wild type polio virus wpv types 1 2 or 3 1 2 today the majority of polio outbreaks are caused by circulating vaccine derived polio viruses cvdvpv originating from back mutations of oral polio vaccine opv viruses which have recovered the wpv phenotype the global polio eradication initiative gpei launched 34 years ago aimed to eradicate poliomyelitis by 2000 2 the chosen strategy was to stop circulation of wild polioviruses following the who fact sheet on poliomyelitis a highly infectious disease caused by a virus the fact sheet includes key facts global caseload global eradication initiative progress who response pmid 28694346 research a systematic review of the worldwide prevalence of survivors of poliomyelitis reported in 31 studies kelly m jones 1 shivanthi balalla 1 alice theadom 1 gordon jackman 2 and valery l feigin 1 author information article notes copyright and license information pmc disclaimer associated data supplementary materials indeed the global commission for certification of the eradication of poliomyelitis recently certified that type 2 wild poliovirus one of three strains responsible for centuries of human vol 369 no 21 abstract background the last case of infection with wild type poliovirus indigenous to china was reported in 1994 and china was certified as a poliomyelitis free region in epidemics to eradication the modern history of poliomyelitis virology journal full text review open access published 10 july 2007 epidemics to eradication the modern history of poliomyelitis nidia h de jesus virology journal 4 article number 70 2007 cite this article 57k accesses 57 citations 6 altmetric metrics abstract poliomyelitis polio is a highly infectious viral disease that largely affects children under 5 years of age the virus is transmitted by person to person spread mainly through the faecal oral route or less frequently by a common vehicle e g contaminated water or food and multiplies in the intestine from where it can invade the nervous system and cause paralysis mohana kunasekaran bayzidur rahman chandini raina macintyre open access published june 25 2022 doi doi org 10 1016 j eclinm 2022 101508 global epidemiology of vaccine derived poliovirus 2016 2021 a descriptive analysis and retrospective case control study summary background abstract in 1988 poliomyelitis polio was targeted for eradication global efforts have led to the eradication of two of the three wild poliovirus wpv serotypes types 2 and 3 with only wpv type 1 wpv1 remaining endemic and only in afghanistan and pakistan poliomyelitis is a highly infectious disease caused by a virus belonging to the picornaviridae family it finds a mention even in ancient egyptian paintings and carvings the clinical features are varied ranging from mild cases of respiratory illness gastroenteritis and malaise to severe forms of paralysis poliomyelitis heine medin disease journal of neurology neurosurgery psychiatry home archive volume 76 issue 1 email alerts pdf historical note poliomyelitis heine medin disease j m s pearce doi org 10 1136 jnnp 2003 028548 request permissions am j epidemiol 2010 dec 1 172 11 1213 1229 published online 2010 oct 26 doi 10 1093 aje kwq320 pmcid pmc2991634 pmid 20978089 from emergence to eradication the epidemiology of poliomyelitis deconstructed neal nathanson and olen m kew author information article notes copyright and license information pmc disclaimer go to 1

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