

3 Polio

SUBGAM (HUMAN NORMAL IMMUNOGLOBULIN (HNIG)
(Gammaglobulin for subcutaneous or intramuscular injection) 750mg.

Dispensed in vials of: - 750mg (approximately 5ml) - supplied by BPL

HNIG is given on the grounds that it may prevent or modify the viraemia and therefore reduce the chance of reaction or paralysis. There is no evidence that it is effective

Indications

1. To prevent or attenuate an attack in immunosuppressed persons inadvertently given live polio vaccine (see Notes 2 to 5).
2. To prevent or attenuate an attack in immunosuppressed persons whose contacts are inadvertently given live oral polio vaccine (see Notes 6).

Dosage

Under 1 year	250mg }	By
1-2 years	500mg }	intramuscular
>3 years	750mg }	injection

Notes

1. If large total doses (>5mls) of intramuscular HNIG are required, it is advisable to administer them in divided doses at different sites.
2. Children and adults with compromised immunity (See Green Book, Chapter 6: <http://www.dh.gov.uk/PolicyAndGuidance/HealthAndSocialCareTopics/GreenBook/fs/en>) who come into contact with excreted polio vaccine virus should have their history of prior vaccination taken and serum for antibody determination obtained. Please send serum to Virus Reference Department, Centre for Infections, HPA and discuss with Dr David Brown (Tel: 020 8327 6018). HNIG should be given as soon as possible after exposure.
3. Stool samples from the immunosuppressed individual must be obtained **one week** apart. If poliovirus is grown from either sample, repeat HNIG at **3 weeks**. Continue **weekly** stool collection and administration of HNIG **three weekly** until immunocompromised individual's stool is negative for poliovirus on two occasions.
4. Household contacts must be reminded of hygienic practices to avoid exposing the immunosuppressed individual to excreted polio vaccine virus for a period of four to six weeks.
5. If unimmunised, incompletely immunised, antibody negative or equivocal to one or more polio viruses, complete primary course and booster with the appropriate IPV-containing vaccine.
6. If case is antibody positive to all three poliovirus types or recipient is a school age child or adult outside of the household, reassure.