Dear Dr. Sabin:

This is only a short remark concerning the difference in paralytic incidence of your attenuated strains following intraspinal inoculation through the third and the fourth intervertebral space above the level of the iliac crests.

I inoculated 20 monkeys through the third and 20 monkeys through the fourth space, using type 1, 3 type 2 and 3 type 3 strains isolated from stools of vaccinated individuals. These strains had previously failed to produce demonstrable paralysis.

The repeated test yielded the following results:

None of the monkeys inoculated through the third space exhibited paralysis, as in the first test. When injected through the fourth space, 3 out of 8 monkeys inoculated with type 1 strains exhibited a non-progressive, but clear paralysis, with type 2 strains the paralytic incidence was 3 out of 6 and with type 3 strains 2 out of 6. The differences are really striking. None of these strains produced paralysis following intracerebral inoculation.

With kind regards,

Yours sincerely,

Dr. J.D. Verlinde.

P.S. Before long we are going to examine a number of children who have been vaccinated approximately 1 and 2 years ago for their antibody level. They will also be re-fed attenuated virus in order to determine the resistance of the alimentary tract. We had in our country an extremely low incidence of poliomyelitis during the last two years, so that the chance of natural exposure during this period seems to be very low. Therefore, the next few months seem to be the time of choice for checking their immunity status.