

Supplementary Materials

Poliovirus shedding after sequential immunization of Sabin-strain inactivated polio vaccines and oral attenuated polio vaccines

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Supplementary Results

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Group	Type1				Type3			
	Positive(%)	Negative(%)	χ^2	P	Positive(%)	Negative(%)	χ^2	P
1cIPV+2bOPV	13 (22.8)	44 (77.2)	0.298	0.585	29 (50.9)	28 (49.1)	0.151	0.697
2cIPV+1bOPV	15 (27.3)	40 (72.7)			25 (45.5)	30 (54.5)		
1cIPV+2bOPV	13 (22.8)	44 (77.2)	3.308	0.069	29 (50.9)	28 (49.1)	3.706	0.054
2cIPV+1tOPV	23 (38.3)	37 (61.7)			19 (31.7)	41 (68.3)		
2cIPV+1bOPV	15 (27.3)	40 (72.7)	1.587	0.208	25 (45.5)	30 (54.5)	2.309	0.129
2cIPV+1tOPV	23 (38.3)	37 (61.7)			19 (31.7)	41 (68.3)		

Supplementary Table 1. Comparison the shedding rate after the first dose of OPV in cIPV/OPV sequential immunization group. cIPV=salk-strain IPV. bOPV= bivalent oral poliovirus vaccine. tOPV= trivalent oral poliovirus vaccine.

Type	Site	cIPV	2cIPV	χ^2	P	2cIPV	2cIPV	χ^2	P
		+2bOPV	+bOPV			+bOPV	+tOPV		
Type1	nt480	3	3	0	1	3	6	0.325	1
		2	2			2	2		
	nt525	3	2	0.400	1	2	7	3.259	0.217
		2	3			3	1		
	nt935	0	0	/	/	0	2	1.477	0.224
		5	5			5	6		
	nt2438	0	1	1.111	0.292	1	2	0.043	1
		5	4			4	6		
	nt2747	0	1	1.111	0.292	1	6	3.745	0.103
		5	4			4	2		
	nt2749	0	3	4.286	0.038	3	3	0.627	0.592
		5	2			2	5		
	nt2795	2	0	2.500	0.114	0	0	/	/
		3	5			5	8		
	nt2879	0	0	/	/	0	0	/	/
		5	5			5	8		
Type3	nt472	9	9	0.95	0.33	9	5	0.152	1

	0	1			1	1		
nt2034	1	0	1.173	0.279	0	3	6.154	0.013
	8	10			10	3		
nt2493	0	0	/	/	0	0	/	/
	9	10			10	6		
nt2636	3	5	0.54	0.65	5	3	0	1
	6	5			5	3		

Supplementary Table 2. Comparison of mutation hotspots of shedding strains between cIPV/OPV sequential immunization groups. sIPV=Sabin-strain IPV. bOPV= bivalent oral poliovirus vaccine. tOPV= trivalent oral poliovirus vaccine.