

Supplementary Material

Table S1. EQ-5D-5L utility index scores based on participant answers during period 1 and 2

ID	Period 1		Period 2				
	Baseline	Week 8	Week 16	Week 12	Week 24	Week 36	Week 48
7	0.937	0.937	WD	WD	WD	WD	WD
14	0.922	1	1	WD	WD	WD	WD
16	1	1	1	WD	WD	WD	WD
32	0.809	0.751	0.859	WD	WD	WD	WD
46	1	1	1	WD	WD	WD	WD
47	1	0.937	0.937	WD	WD	WD	WD
55	1	0.673	0.874	WD	WD	WD	WD
58	1	0.887	0.779	WD	WD	WD	WD
59	0.879	0.748	0.937	WD	WD	WD	WD
72	1	1	0.937	WD	WD	WD	WD
6	0.512	0.751	0.481	0.922	WD	WD	WD
34	1	0.937	1	1	WD	WD	WD
64	0.922	1	0.922	0.652	WD	WD	WD
35	0.916	0.937	0.864	1	0.666	WD	WD
69	0.937	0.922	1	1	1	WD	WD
8	1	1	0.859	0.922	0.922	1	1
10	1	1	1	1	1	0.922	0.922
22	1	1	1	0.922	1	WD	1
23	0.922	0.916	0.833	N/A	N/A	N/A	0.775
37	1	0.922	0.937	1	1	0.922	1
42	1	0.717	1	1	1	1	1
43	1	0.922	1	1	1		1
48	1	1	1	1	1	1	1
49	1	1	1	1	1	0.896	1
53	1	1	1	1	1	1	1
60	0.937	0.838	1	0.937	0.937	0.937	0.937
61	1	1	1	1	0.896	1	1
73	0.801	1	0.922	0.922	0.922	0.838	0.922

Abbreviations: ID: Study identification number WD: Withdrawn; N/A: Not available

Table S2. Viral load of high-risk human papillomavirus types present in the anal samples of men who have sex with men who provided at least two anal swabs

Phase 1 (Intervention)		Phase 2 (Maintenance)		
ID	Week 0 HPV type (viral load) ^a	Week 16 HPV type (viral load) ^a	Week 24 HPV type (viral load) ^a	Week 48 HPV type (viral load) ^a
6	16++, 39+, 56+, 31+	16+++, 39+++, 56+++, 31++	WD	WD
8	35++, 39++, 58++, 59++, 61++	31++, 33++, 39++, 51++, 56++, 58++, 59++	39+, 51++, 58+, 59+	33++, 39+, 51+, 58++, 59+, 68+
10	18++ 31+, 52+, 58++	18++, 33++, 58+++	18++, 58+++	33+, 58+
14	45+	N/A	WD	WD
16	18+, 39+, 52+, 58++	-ve	WD	WD
22	33++, 35++, 45++, 59+	33++, 39++, 45++	33++, 35+, 39+++, 45++	39+
23	16+++	-ve	-ve	-ve
32	16++	16+	WD	WD
34	39++	39++, 66++	WD	WD
35	16+, 18++, 33++, 51++, 58++	16+, 51+	WD	WD
37	16++, 31++, 39+++	31++, 39++	31+, 39++	31++, 39++
42	18++ 45++, 66+, 68++	68+	45++, 66++, 68++	18++, 45++, 56++, 66++, 68++
43	58++	58++	58++, 68+	58++, 68+
46	16+, 45++	-ve	WD	WD
47	66++	66++	WD	WD
48	18++, 56++, 58+++	18++ 56++, 58+, 68+	56+, 68++	18++, 56++, 58++, 68++
49	39++, 45+, 51++, 52++, 68+	31++, 39+++, 45++, 51++, 52++, 68++	31+, 39++, 45++, 51++, 52++, 68++	39++, 45++, 52+, 68++
53	51++, 56++, 58++, 68+	51++, 56++, 58++, 68+	51++, 56++, 68++	51++, 58+
55	16++ 31++, 39++	16++, 31++, 39++	WD	WD
58	18+ 45+, 59+ ^b	18++, 51++, 59+	WD	WD
59	39++	-ve	WD	WD
60	16++	16++ 31++, 35++, 39++, 58++	16+, 35+, 58+	16++ 31++, 35++, 39++, 58++
61	39++	Invalid sample	59+	16+, 51++, 52++, 59++, 68++
64	18++, 51+	16+, 18++, 51+	WD	WD
69	35+, 51+, 58++, 56+, 68++	33++, 56++, 58++, 68++	WD	WD
72	59++	-ve	WD	WD
73	45++, 51++, 59+	45++, 51++, 59++	45++, 51++, 59++	45+, 51++, 59+

Abbreviations: ID: Study identification number WD: Withdrawn; -ve: Negative for the corresponding high-risk HPV types; N/A: Sample not available

^a Anyplex assay yields a semi-quantified viral load result which may be high (+++; positive signal before 31 PCR cycles), medium (++; positive signal between 31 and 39 PCR cycles), or low (+; positive signal after 40 PCR cycles)



Instruction Sheet for using Imiquimod

Each sachet of Imiquimod contains 2 doses (applications).
Ignore the instructions on the sachet.

Dose and Frequency of Application



**½ Sachet
= 1 Dose**

Half a sachet (you should roughly estimate) is one dose.

Calendar
first

**1 - 4
months**

**x3
time / week**

For the first 4 months of the study apply one dose (half a sachet) 3 times per week.

If you have any negative side effects or concerns once you start using Imiquimod contact the study research team.

1800 875 121

They might tell you to discontinue use or reduce the frequency of application per week until your symptoms clear.

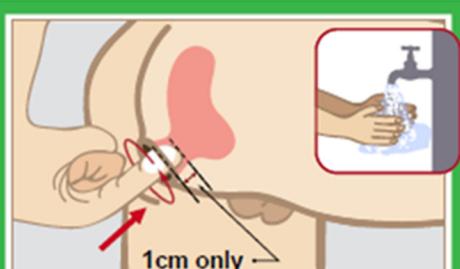
Instructions for Application:



Imiquimod is best applied before going to sleep.
Wash and dry your hands and anus before application.



1/2 a sachet of Imiquimod
Squeeze half a sachet of Imiquimod onto your finger.



Using your finger, rub Imiquimod around your anus and just slightly inside the opening of your anus.
(no more than 1 cm inside your anus)
Wash your hands with soap and water.



- Wash your hands if you come into contact with Imiquimod.
- Avoid getting Imiquimod on any part of your body (or a partner's body) other than your finger and your anus.



- Don't apply Imiquimod on the day of a clinic visit as it interferes with HPV testing.
- Don't apply Imiquimod before insertive anal sex or rimming (his penis / tongue in your anus).
- Don't use Imiquimod as lube for sex.
- Don't apply Imiquimod before having a bowel movement.
- Don't shower for 6-10 hours after Imiquimod application.

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Figure S1. Instruction sheet for using imiquimod.