SUPPLEMENTARY DATA

Cervical Cytokine and Chemokine Analyses

The MILLIPLEX$_{MAP}$ Human Cytokine/Chemokine Magnetic Bead Panel – Premixed 41 Plex was used to quantify the following analytes per the manufacturer's instructions: VEGF, TNF-β, TNF-α, TGF-α, RANTES, PDGF-AB/BB, PDGF-AA, MIP-1β, MIP-1α, MDC (CCL22), MCP-3, MCP-1, IP-10, IL-17, IL-15, IL-13, IL-12 (p70), IL-12 (p40), IL-10, IL-9, IL-8, IL-7, IL-6, IL-5, IL-4, IL-3, IL-2, IL-1RA, IL-1β, IL-1α, IFN-γ, IFN-α2, GRO, GM-CSF, G-CSF, Fractalkine, Flt-3 ligand, FGF-2, Eotaxin, EGF, and sCD40L. A custom Human Chemokine 8-Plex panel (Bio-Rad Laboratories, Inc., Hercules, CA) was used to measure the following analytes: I-TAC/CXCL11, MCP-2/CCL8, MCP-4/CCL13, MIG/CXCL9, MIP-3α/CCL20, MIP-3β/CCL19, MPIF-1/CCL23, and SDF-1α+β/CXCL12.

IL-1β, IL-6, IL-8, MCP-2, and MDC levels were increased significantly in CVL specimens from *M. genitalium*-positive women (Table 1; $p<0.05$, Student's T test). The following analytes did not show any significant modulation (up or down) in specimens from women chronically infected with *M. genitalium* relative to women without *M. genitalium* infection ($p>0.05$): TNF-α, RANTES, MCP-1, IP-10, IL-7, IL-9, IL-1α, IL-1RA, PDGF-AB/BB, PDGF-AA, IL-10, GRO, IFN-α2, Flt-3 ligand, G-CSF, FGF-2, Eotaxin, EGF, I-TAC (CXCL11), and MIG (CXCL9). The following analytes were below the limit of detection in all specimens: VEGF, TNF-β, TGF-α, MIP-1β, MIP-1α, MCP-3, IL-17, IL-15, IL-13, IL-12 (p70), IL-12 (p40), IL-5, IL-4, IL-3, IL-2, IFN-γ, GM-CSF, Fractalkine, sCD40L, MCP-4/CCL13, MIP-3α/CCL20, MIP-3β/CCL19, MPIF-1/CCL23, and SDF-1α+β/CXCL12 (denoted as not detected [ND] in Supplementary Table 1).

Supplementary Table 1. Comprehensive quantitative analysis of secreted cytokines and chemokines in cervicovaginal lavages (CVLs) from subjects chronically infected with *M. genitalium* compared to subjects in the cohort that never tested positive.

Analyte	*M. genitalium* Negative[a]	Chronic *M. genitalium*[a]	*P*[b]
EGF	6.6 (2.8)	19.1 (10.2)	0.15
FGF-2	4.9 (1.1)	6.6 (1.8)	0.41
Eotaxin	4.5 (1.3)	10.1 (1.5)	0.01
TGF-α	ND[c]	ND	
G-CSF	32.3 (9.9)	746.5 (393.7)	0.02
Flt-3L	7.9 (4.7)	20.6 (8.4)	0.16
GM-CSF	ND	ND	N/A
Fractalkine	ND	ND	N/A
IFN-α2	133.7 (82.7)	121.1 (82.1)	0.92
IFN-γ	ND	ND	N/A
GRO	627.9 (349.8)	225.8 (104.4)	0.38
IL-10	1.1 (0.4)	1.4 (0.3)	0.50
MCP-3	ND	ND	N/A
IL-12p40	1.4 (0.7)	3.1 (1.1)	0.19
MDC	11.9 (4.8)	40.9 (11.0)	0.009
IL-12p70	ND	ND	N/A
PDGF-AA	34.7 (32.0)	199.6 (155.5)	0.21
IL-13	ND	ND	N/A
PDGF-AB/BB	26.4 (9.9)	42.7 (12.3)	0.31

IL-15	ND	ND	N/A
sCD40L	ND	ND	N/A
IL-17A	ND	ND	N/A
IL-1RA	2275 (509.3)	3602 (1616)	0.36
IL-1α	495.6 (228.1)	1331 (594.8)	0.14
IL-9	1.0 (0.1)	2.1 (0.5)	0.01
IL-1β	5.1 (2.1)	113.4 (60.4)	0.03
IL-2	ND	ND	N/A
IL-3	ND	ND	N/A
IL-4	ND	ND	N/A
IL-5	ND	ND	N/A
IL-6	0.3 (0.2)	13.5 (7.3)	0.03
IL-7	2.7 (1.5)	4.0 (1.6)	0.58
IL-8	216.6 (115.9)	986.2 (325.8)	0.01
IP-10	190.9 (114.0)	90.5 (37.2)	0.50
MCP-1	66.4 (43.6)	220.5 (88.1)	0.09
MIP-1α	ND	ND	N/A
MIP-1β	ND	ND	N/A
RANTES	4.4 (3.1)	7.3 (3.1)	0.54
TNF-α	1.2 (1.1)	0.3 (0.1)	0.50
TNF-β	ND	ND	N/A
VEGF	ND	ND	N/A
I-TAC/CXCL11	0.1 (0.01)	0.1 (0.01)	0.16
MCP-2/CCL8	0.07 (0.01)	0.13 (0.04)	0.03

MCP-4/CCL13	ND	ND	N/A
MIG/CXCL9	259.4 (119.6)	213.4 (64.6)	0.77
MIP-3α/CCL20	ND	ND	N/A
MIP-3β/CCL19	ND	ND	N/A
MPIF-1/CCL23	ND	ND	N/A
SDF-1α+β/CXCL12	ND	ND	N/A

[a]Data expressed at mean pg/mL (standard error of the mean).

[b]*P*-value is for Student's T test.

[c]ND, Analyte below the limit of detection of the assay.