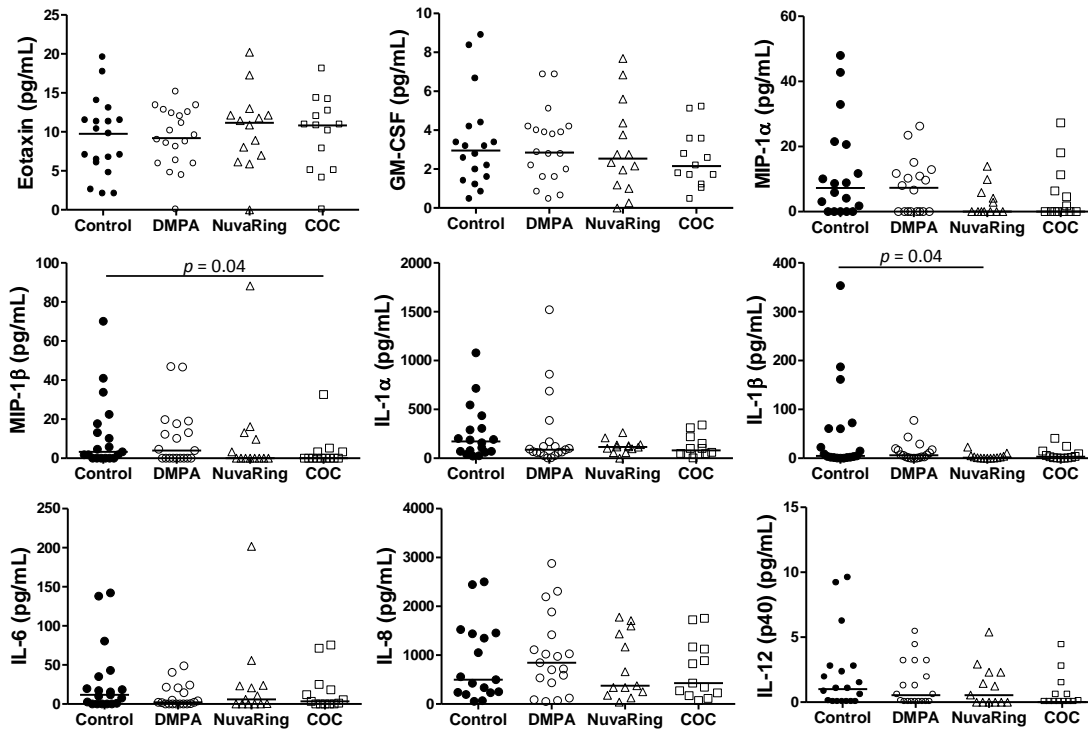


Figure S1: Hormonal contraception is not associated with alterations in the distribution of between naïve (N), central memory (CM), effector memory (EM), and effector (EF) CD4⁺ or CD8⁺ T cell populations.

PBMCs from 21 Control, 18 DMPA, 12 NuvaRing, and 15 COC users were analyzed as described in Materials and Methods. The frequencies of CD4⁺ (A) and CD8⁺ (B) CD27^{high}/CD45RO^{low} naïve (N), CD27^{high}/CD45RO^{high} central memory (CM), CD27^{low}/CD45RO^{high} effector memory (EM), and CD27^{low}/CD45RO^{low} late effector (EF) cell populations are presented.

A



B

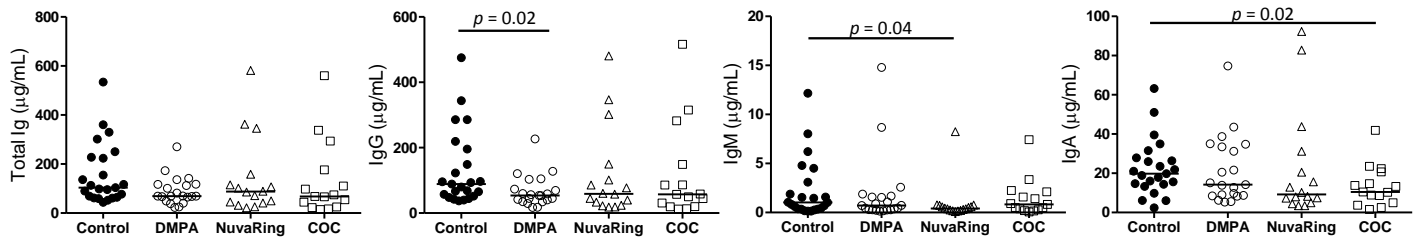


Figure S2: Concentrations of cytokines, chemokines and immunoglobulins in cervicovaginal fluid of hormonal contraception users and control volunteers. (A) Cervicovaginal lavages from 20 controls, 20 DMPA, 14 NuvaRing and 14 COC users were analyzed for chemokine and cytokine concentrations. Mean CVL levels of IFN- γ , TNF- α , TNF- β , IL-2, IL-3, IL-4, IL-5, IL-7, IL-10, IL-12 (p70), IL-13, IL-15, and IL-17 were below 5 pg/mL in all groups and are not shown. (B) CVL levels of total immunoglobulin (Ig), IgA, IgM, and IgG. CVL samples were analyzed by ELISA for Ig levels in 23 Controls, 21 DMPA, 16 NuvaRing, and 15 COC users. Total Ig, IgA, IgM, and IgG are shown in $\mu\text{g/mL}$. Bars indicate median values; significance was established using Mann-Whitney U test.

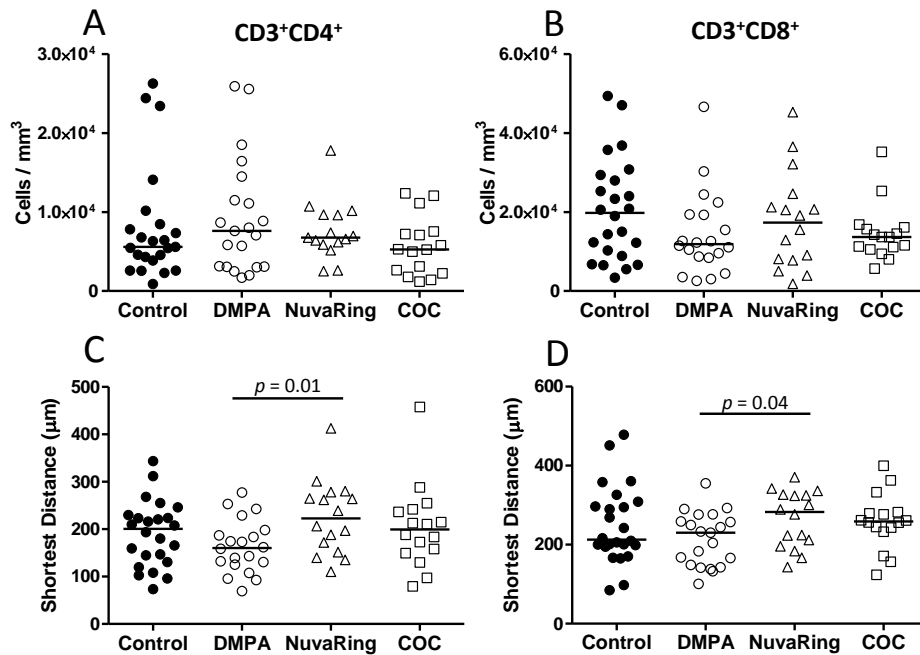


Figure S3: Hormonal contraception use is not associated with significant alterations in the apical distance or density of vaginal $CD3^+CD4^+$ and $CD3^+CD8^+$ cell populations. Vaginal epithelium biopsies from 24 controls, 22 DMPA, 17 NuvaRing, and 17 COC users were sectioned at 12 μ m and co-stained with $CD3^+CD4^+$ (A,C) or $CD3^+CD8^+$ (B,D). A minimum of 2 images at 10x magnification were analyzed per biopsy per stain. Intraepithelial density (A,B) and shortest distance to the apical epithelial surface (C,D) of $CD3^+CD4^+$ (A,C) and $CD3^+CD8^+$ (B,D) cells are shown. Median values are presented; significance was determined with Mann-Whitney U test.