

CURRICULUM VITAE

NAME: Craig Randall Cohen, M.D., M.P.H.

Current Title and Department: Adjunct Instructor (temp), Department of Obstetrics, Gynecology, and Reproductive Science
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EDUCATION

9/96 – 6/97	University of Washington School of Public Health	MPH	Epidemiology
7/94 – 6/98	University of Washington International AIDS Research Training Program	Senior Research Fellow	
7/91 – 6/94	Northwestern University Department of Obstetrics and Gynecology	Resident	
7/90 – 6/91	University of Washington Department of Obstetrics and Gynecology	Intern	
8/86 – 5/90	University of Louisville School of Medicine	M.D. Magna cum Laude	Medicine
4/82 – 5/84	University of California, Berkeley	Bachelors of Arts	Molecular Biology
9/80 – 3/82	University of California, Los Angeles		Undeclared

LICENSES, CERTIFICATIONS, ETC.

Washington State Medical License, MD00031788, Expiration through 10/5/2003

California State Medical License, G86859

American Board of Obstetrics and Gynecology; Certified Diplomat, 12/2002

EMPLOYMENT

Principal Positions Held

7/03 – present	Department of Obstetrics, Gynecology and Reproductive Science, Adjunct Instructor (Temporary)	University of California, San Francisco
7/99 – 6/03	Department of Obstetrics and Gynecology, University of Washington	Acting Assistant Professor
7/97 – 6/99	Department of Obstetrics and Gynecology, University of Washington	Acting Instructor

Ancillary Positions Held

3/04 - present	Reproductive Infectious Disease Fellowship, Department of Obstetrics, Gynecology and Reproductive Science, UCSF	Fellowship Director
7/98 – 6/03	International AIDS Research Training Program, University of Washington	Core Faculty
1997 - present	Department of Obstetrics and Gynecology, University of Nairobi, Kenya	Visiting Lecturer
1997 - present	Center for Respiratory Disease Research, Kenya Medical Research Institute	Visiting Senior Scientist
1994 - 1996	WHO Collaborative Center for AIDS and STD Research, University of Nairobi, Kenya	Visiting Lecturer
1995 – 1996	Owen House Centre counseling center for HIV positive adults, Nairobi, Kenya	Administrative Director

HONORS AND AWARDS

1989	Alpha Omega Alpha Honors Society
1989	Who's Who of American College Students
1987	Dr. Calhoun Prize in Physiology
1987	Linker Community Service Award
1981	Dean's list at U.C.L.A

PROFESSIONAL ACTIVITIES

Membership in Professional Organizations

2001 - present	American Board of Obstetrics and Gynecology; Certified Diplomat
1994 - 2001	American Board of Obstetrics and Gynecology; Active Candidate

Service to Professional Publications

1996 - present	Obstetrics and Gynecology, Reviewer
2000 – present	Journal of Infectious Diseases, Reviewer
2001 – present	Human Reproduction, Reviewer
2002 – present	The Lancet, Reviewer
2002 – present	HIV Clinical Trials, Reviewer
2003 – present	Journal of Acquired Immunodeficiency Syndrome, Reviewer
2003 – present	American Journal of Public Health, Reviewer

INVITED PAPERS, LECTURES, PRESENTATIONS

1/05	“Developing Training Programs for HIV Research in Kenya” for Center for AIDS Research International Research Workshop, Conducting HIV Research in Resource Poor Countries.
1/04	“Conceiving the Research Question” for the University of Washington “Principles of HIV Care and Research” course, Nairobi, Kenya
7/03	Hormonal Contraception and Progression of HIV Disease. ISSTD, Ottawa, Canada
11/02	Career in International Health. Western Regional International Health Conference, University of Washington
6/02	Caring for HIV-infected adults in Africa: lessons learned from a Nairobi cohort. Karolinska Institutet, Stockholm, Sweden
6/02	African AIDS clinical trial group: background and rationale. Academic Alliance—Makarere University, Kampala, Uganda,
5/02	The diaphragm: a female controlled method to prevent HIV and other sexually transmitted infections? Microbicides 2002, Antwerp, Belgium
10/01	Intrauterine devices and PID. IUCD use in Kenya: a Stakeholders Meeting, Ministry of Health, Kenya & Family Health International
7/98	Pathogenesis of Chlamydia trachomatis. Principles of STD and HIV Research, University of Washington
11/97	Pelvic inflammatory disease: recent advances and current research in Kenya. Grand Rounds, Department of Obstetrics and Gynecology, University of Washington

SERVICE

University Service

2002 – 2004	World Health Organization Integrated Management of Adolescent/Adult Illness (IMAI); expert committee member
2001 – 2002	Rockefeller Foundation AIDS Care in Africa; member of sub-committee on syndromic management of opportunistic infections
1998 – 2002	WHO Collaborative Center for AIDS and STD Research, University of Nairobi, Kenya; Secretary Executive Committee
1999	Co-wrote proposal to develop the University of Nairobi Institute of Tropical Medicine and Infectious Diseases (UNITID)
1997 – 2003	International AIDS Training and Research Program, University of Washington, Core Faculty member

Community/Public Service

1999 – 2002	Mountain Club of Kenya; Committee Member
1987 – 1988	Greater Louisville Organization for Health Clinic; Clinic Coordinator
1987 – 1988	American Medical Student Association; Chapter Contact
1985 – 1986	Cloverfork Clinic, Kentucky; Volunteer health educator

TEACHING

Predoctoral Students Supervised

2005-	Mentored Michele Montandon a 4 th year medical student to work in Kisumu, Kenya for 1-year.
2005	Mentored Kavita Mishra a 2 nd year medical student to work in Nairobi, Kenya for the Summer.
2005	Mentored Brigid Boland a 2 nd year medical student to work in Kisumu, Kenya for the Summer.
2004 – 2005	Mentored Michael Bolton a 4 th year UCSF medical student. Developed review paper on probiotics.
2003 – 2005	Mentored Katrine Lofberg a 2 nd year medical student who worked in Nairobi for the Summer, and wrote a manuscript on HIV-infected women's knowledge of antiretroviral therapy.
2002	Mentored Neera Mahal a 4 th year Pharm. D. student at the University of Washington for 2 months in Kenya
1999	Mentored Lisa Gravelle a 4 th year University of Washington medical student for 4 months in Kenya
1999 – 2000	Mentored Jeremy Penner a 4 th year McMaster University medical student for 5 months in Kenya

Graduate Students Supervised

2004 –	Masters of Public Health mentor for William Harrison at University of California, Berkeley.
2004 –	PhD in nursing mentor for Meera Nichols at University of California, San Francisco.
2004 –	PhD in Epidemiology for Dr. Purnima Madhivanan at University of California, Berkeley.
2002 – 2004	Masters of Public Health thesis director for Dr. Theresa Kinyari at University of Washington
2001 – 2003	Mentored Dr. Amy Criniti a 3 rd year OB/Gyn resident at the University of Washington

2001 – present	PhD in Epidemiology, committee member for Dr. Elizabeth Bukusi at University of Washington
2001 – 2003	Masters of Public Health thesis director for Dr. Christina Mwachari at University of Washington
2000 – 2004	Masters of Public Health thesis director for Dr. Videlis Nduba at University of Washington
2000 – 2002	Mentored Bryan Shephard, doctoral candidate in Biostatistics at University of Washington
1999 – 2001	PhD in Biostatistics, committee member for Amalia Meier at University of Washington
1998 – 2003	Masters of Public Health thesis director for Dr. Nelly Mugo at University of Washington
1997 – 2001	Masters of Public Health thesis director for Dr. Elizabeth Bukusi at University of Washington

Clinical Research Fellows Supervised

2004 – present	Reproductive Infectious Disease Clinical Fellow for Dr. Natali Aziz at University of California, San Francisco
2004 – present	Reproductive Infectious Disease Clinical Fellow for Dr. Lisa Rahandale at University of California, San Francisco
2003 – present	Reproductive Infectious Disease Clinical Fellow for Dr. Jenell Coleman at University of California, San Francisco

Teaching Hours

(Estimate of the number of teaching hours provided or anticipated for the past, current and upcoming academic year)

The majority of my teaching time is spent mentoring graduate students and fellows.

(2002 – 2003 = 500)

(2003 – 2004 = 500)

(2004 – 2005 = 500)

RESEARCH PROGRAM

The primary focus of my research program is to continue international medical research in two major areas: female reproductive tract infections and HIV/AIDS care and support in developing countries. This program is based both at the Kenya Medical Research Institute and University of Nairobi and serves an additional goal to develop the local capacity to conduct biomedical research through training and infrastructure development. In Kenya, I have mentored Kenyan physicians during their Masters of Public Health training, as well as rotating U.S. students in immunology and biostatistics. In regards to improving research infrastructure, I directed the development of molecular diagnostic, and anaerobic and aerobic laboratories in Nairobi. As the Principal Investigator of one of the sites for the “Phase III randomized placebo-controlled trial of HSV-2 suppression to prevent HIV transmission among HIV-discordant couples”, I planned and supervised the development of the newly established clinical research center in Kisumu, Kenya (Kisumu is located on the shores of Lake Victoria, and the capitol of the Kenyan province hardest hit by the HIV epidemic). This Project is supported by approximately 80 staff in Nairobi and Kisumu including scientists, study coordinators, physicians, nurse-counselors, laboratory technologists, field workers, data managers, biostatisticians and administrative staff.

In recognition and support of my independent research, I am Principal Investigator of the recently awarded Sexually Transmitted Infection Clinical Trials Group (STI CTG) National Institutes of Health contract (HHSN266200400074C). This seven year 20.5 million dollar award supports STI diagnostic, therapeutic, vaccine and microbicide trials both domestically and internationally. With this, I will use the STI CTG to conduct multi-centered trials of STI prevention and treatment and expand the STI research community at UCSF and strengthen collaborations with our partners in California and abroad. It is anticipated this will improve our overall reputation in the field and bring forth groundbreaking research and increased capacity through training the next generation of STI researchers. In January 2005 under the STI CTG banner, a day-long STI symposium was conducted where 21 STI investigators met at UCSF to discuss and prioritize the research agenda.

I have dedicated more than a decade studying the association of acute pelvic inflammatory disease (PID) and HIV infection, both of which occur more commonly in sub-Saharan Africa than in the developed world. As the global epidemics of STI and HIV continue in parallel, it is critical to better understand the effect of concomitant HIV infection on the clinical

presentation, etiology, severity, and clinical course of acute PID. Since the clinical diagnosis of PID has an accuracy of only 40-70% in most studies, I use laparoscopy to verify salpingitis in women hospitalized with this disease. The initial in-patient study resulted in five important findings about the effect of HIV-infection on acute salpingitis: (1) the high HIV seroprevalence rate (39%) in women with acute salpingitis in comparison to 14% in an antenatal population in Nairobi; (2) 2.8 fold increased odds of tubo-ovarian abscess (TOA) among the HIV seropositive subjects; (3) the significantly higher clinical severity scores, increased risk of TOA, and longer hospitalizations of HIV infected women with CD4% < 14; (4) the lack of difference in *Neisseria gonorrhoeae* and *Chlamydia trachomatis* prevalence by HIV serostatus; and (5) the eventual response to antimicrobial therapy and drainage of TOA, regardless of HIV serostatus (J Infect Dis 1998;178:1352-8). A companion outpatient study in which I supervised Dr. Elizabeth Bukusi, including supervising the writing of the manuscript, enrolled women presenting with mild and moderate clinical PID, and performed endometrial histopathology to confirm disease. This study had three major findings: (1) among women presenting with acute low abdominal pain and pelvic tenderness histologically confirmed PID was three times more common among HIV-infected women than among HIV-seronegative women; (2) among women with endometritis, those with HIV infection, especially those with significant immunosuppression, were less likely to have gonococcal, or chlamydial infection and more likely to have bacterial vaginosis (BV); and (3) HIV-infected women responded well to outpatient oral antimicrobial therapy (Am J Obstet Gyn 1999;181:1374-81).

These initial studies also pointed to the fact that most cases of PID were not caused by *N. gonorrhoeae* or *C. trachomatis*, and had an unknown etiology. Therefore, to investigate the etiology of acute salpingitis, clinical microbiology including anaerobic culture and molecular techniques to test endometrial and Fallopian tube samples was utilized. This work published in The Lancet demonstrated a strong relationship between *Mycoplasma genitalium* and endometritis in women presenting with clinical PID (Lancet, 2002;359:765-6). Similarly, in collaboration with Dr. Patricia Totten, bacterial 16S ribosomal DNA amplification was used to identify novel pathogens from the Fallopian tubes of women with acute salpingitis (J Infect Dis 2004;190:2109-20). In a study nearing completion to determine the effect of HIV infection on the etiology of acute salpingitis, tubal and endometrial samples were obtained for anaerobic and aerobic culture, and will be scheduled to undergo molecular testing. An ROI has been submitted to support this expanded investigation.

In addition to studying etiology, my research involves the investigation of the immunopathogenesis of *C. trachomatis* infection in women. Over a series of several studies my colleagues and I have demonstrated that certain human leukocyte antigen (HLA) class II alleles may lead to an immunologically mediated mechanism of protection against *C. trachomatis* infection and associated tubal damage (Obstet Gynecol, 2003;101:438-44), and that decreased antigen specific interferon- γ production may enhance the susceptibility of HIV-infected women to *C. trachomatis* PID (J Infect Dis 2000;182:1672-7). In a prospective cohort study of women at high risk of *C. trachomatis* infection, it was found that after adjustment for age and other potential confounders, production of IFN- γ by chlamydia heat shock protein (CHSP)-60 stimulated peripheral blood mononuclear cells (PBMC) at baseline strongly correlated with protection from incident *C. trachomatis* infection. To date these are the strongest human data to support a direct role for a *C. trachomatis* specific immune response to prevent infection. A manuscript submitted to The Journal of Infectious Diseases is in review.

In addition to my reproductive tract infection research, I am the senior investigator of a program studying HIV/AIDS care essential in developing countries. Briefly, these studies have included an evaluation of risk factors and the World Health Organization clinic algorithm for management of respiratory tract infection (J Acquir Immune Defic Syndr 2001;27:365-371; J Acquir Immune Defic Syndr 2003;32:223-8), and chronic diarrhea (AIDS 2003;17:2124-2126). The project is currently investigating the effect of hormonal contraception on the natural history of HIV-disease, and soon their effect on the response, side effects and uptake of antiretroviral therapy. A triple-blind randomized placebo controlled trial of acute bronchitis in HIV-infected and uninfected adults in Nairobi was recently completed. Furthermore, as an advisor to the World Health Organization (WHO) Integrated Management of Adult and Adolescent Illnesses (IMAI) initiative, these early findings have led to adaptation of clinical care guidelines for use in resource poor setting with high HIV-seroprevalence. In conjunction with KEMRI and the Positive Health Program at San Francisco General Hospital, I recently led a successful application to the Centers for Disease Control to create "Family AIDS Care and Education Services (FACES)" (U62/CCU924511-01). This project will provide comprehensive, holistic care to research participants, their family members in Nairobi and Kisumu, and train additional cadres of health professionals in Kenya. Importantly, FACES will provide a platform for further HIV/AIDS clinical and operational research.

Research Support

ONGOING

NIH-NIAID-DMID HHSN266200400074C (Cohen, PI)
NIAID

9/28/04 - 9/30/2011
\$20,593,306

Sexually Transmitted Infections Clinical trials Group (STICTG)

This contract will support clinical trials for STI diagnostics, treatment and vaccines, as well as microbicides both domestically and internationally.

Cooperative Agreement U62/CCU924511-01 (Cohen, PI) 9/30/04 – 9/29/09
Center for Disease Control \$520,000
HIV treatment for research subjects or by researchers in Kenya
This project will fund clinical sites in Nairobi and Kisumu, Kenya to provide HIV/AIDS care and support to research subject and their family members.

Grant No. 26469 (Cohen, PI) 11/1/03 – 10/31/05
Bill and Melinda Gates Foundation; \$1,104,472
subcontract from University of Washington
Phase III randomized placebo-controlled trial of HSV-2 suppression to prevent HIV transmission among HIV-discordant couples
This subcontract supports the site in Kisumu, Kenya for this multi-site trial. During the first year a new site was established in Kisumu, Kenya including hiring and training more than 30 staff, building and equipping a new building, and community mobilization including establishment of couples voluntary counseling and testing services.

R01 (Totten, PI; Cohen, Co-investigator) 4/1/02 – 3/31/07
NIAID NIH \$12,531 (3/31/04 – 2/28/05)
Mycoplasma genitalium in the female genital tract
This project will support studies in Seattle and Nairobi to determine the association of *M. genitalium* infection with upper and lower genital tract disease, and develop improved tests for its detection.

T22TW00001 (Holmes, PI; Cohen, Co-investigator) 4/1/02 – 3/31/05
Fogarty International Center (IARTP supplement)
Bacterial vaginosis, a randomized trial to prevent recurrence
This project supports a randomized controlled trial to test two male interventions to prevent recurrent bacterial vaginosis in Kenya.

HD40540-02 (Coombs, PI, Cohen, Co-investigator) 4/1/01 – 3/31/06
Program project grant pathogenesis of HIV disease in women \$49,266 (4/1/04 – 3/31/05)
HIV-1 shedding from the female genital tract
This program project grant supports studies, including a site in Kenya, to determine the association of local inflammation, co-infection on HIV-1 shedding in the female genital tract. A randomized treatment trial of treatment for BV will be performed to determine its effect on HIV-1 shedding.

WHO 96902 (Cohen, Co-PI of Kenyan site) 7/1/99 - 6/31/07
WHO Contraceptive/Family Planning Division \$140,000 (7/1/04 – 6/30/05)
Clinical course of HIV-1 infection and hormone contraception
This multi-site/country project will determine whether hormonal contraception affects the natural history of HIV-1 infection. This study follows a cohort of 320 HIV-infected women at our site, as well as maintains another 200 HIV-infected adults in our study population.

COMPLETED

AI27757 (Holmes, PI; Cohen, Co-investigator) 11/1/01 - 10/30/02
NIAID NIH Center for Research on AIDS Research Center
Male microbicides genital hygiene and HIV risk behavior
This Center supported a study to determine the genital hygiene practices of male partners of women with bacterial vaginosis (BV) and pilot test male microbicides in preparation for a randomized trial to reduce the prevalence of BV.

WHO (Cohen, Principal Investigator) 6/1/02 – 5/31/03
WHO/Rockefeller Foundation
A randomized placebo controlled trial of amoxicillin for treatment of acute bronchitis in adults
This project funded a randomized controlled trial to compare amoxicillin to placebo for the treatment of acute bronchitis in HIV-infected and uninfected adults in Nairobi, Kenya.

AI75329 (Cohen, Principal investigator) 7/1/98- 10/30/03
NIH/NIAID
Sexually Transmitted Disease Clinical Trial Unit (W. E. Stamm, P.I.)
“Etiology of acute salpingitis”
The project aimed to determine the etiology of salpingitis in Nairobi, Kenya, and developed a microbiology laboratory capable of identifying anaerobic organisms on-site. In addition, a grant has been submitted (RO1) to use molecular techniques to identify uncultivable organisms.

CSA-02 (Cohen, Principal investigator) 7/1/02 – 12/31/03
Contraceptive Research and Development Program
Diaphragm acceptability among sex workers, their clients and their partners in Nairobi, Kenya
This project supported a study to determine the acceptability of diaphragm use in among sex workers in Nairobi, Kenya.

AI31448 (Brunham, PI; Cohen, Co-investigator) 7/1/99 - 6/30/04
NIAID NIH STD Research Center
University of Washington STD Cooperative Research Center
Chlamydia and gonococcal infection: Immunobiology in the female reproductive tract
This Center supported a study to address the immunopathogenesis of chlamydial and gonococcal infection in women in Nairobi, Kenya, and established a new cohort of 300 sex workers for future STI and HIV research..

AI31448 (Totten, PI; Cohen, Co-investigator) 7/1/00 - 6/30/04
NIAID NIH STD Research Center
University of Washington STD Cooperative Research Center
Immunobiology of Mycoplasma genitalium in women
This Center supported a study to address the immunopathogenesis of *M. genitalium* in women in Nairobi Kenya.

PUBLICATIONS

Original Articles

Craig R Cohen, Nelly R Mugo, Sabina G Astete, Raphael Odonde, Lisa E Manhart, Julia A Kiehlbauch, Walter E Stamm, Peter G Waiyaki, Patricia A Totten. Detection of *Mycoplasma genitalium* in women with laparoscopically diagnosed acute salpingitis. *Sex Trans Infect*, in press.

Craig R Cohen, Kasra M Koochesfahani, Amalia S Meier, Caixia Shen, Karuna Karunakaran, Beartrice Ondondo, Teresa Kinyari, Nelly R Mugo, Rosemary Nguti, Robert C Brunham. Immunoepidemiology of *Chlamydia trachomatis* infection: Importance of heat shock protein-60 and interferon- γ . *J Infect Dis*, in press.

M Luo, **CR Cohen**, MJ Narayansingh, S Pan, L Mckinnon, RC Brunham, FA Plummer. Identification of novel HLA-DQA1 null allele, DQA1*0403N, from an East African woman. *Tissue Antigens* 2004;63:609-11.

Matt S Steele, Elizabeth A Bukusi, **Craig R Cohen**, Bettina A Shell-Duncan, King K Holmes. Male Genital Hygiene Beliefs and Practices: Preparing for a Topical Microbicide Safety Trial. *Sex Trans Infect*, 2004;80:471-76.

Jennifer K Hebb, **Craig R Cohen**, Sabina G Astete, Elizabeth A Bukusi, Patricia A Totten. Detection of Novel Organisms Associated with Salpingitis, using 16S Ribosomal DNA PCR. *J Infect Dis*, 2004;190:2109-20.

- Bukusi E, **Cohen CR**, Nguti R, Mungai JN, Waiyaki P, Holmes KK. Evaluation of the 'Femexam[®]' rapid test for the diagnosis of bacterial vaginosis in Kenya. *J Obstet Gynecol East and Central Africa*, 2004;17:57-61.
- Bukusi E, Sinei S, **Cohen CR**. High acceptability of HIV-1 testing among infertile couples attending a referral infertility clinic in Nairobi, Kenya. *J Obstet Gynecol East and Central Africa*, *J Obstet Gynaecol Eastern Central Africa* 2004;17:62-5.
- Christina W Mwachari, Bryan E Shepherd, Omondi Cleopa, Joseph A Odhiambo, **Craig R Cohen**. Mortality and burden of disease in a cohort of HIV seropositive adults in Nairobi, Kenya. *Intl J STD AIDS* 2004;15:120-6.
- Criniti A, Mwachari CW, Meier AS, Nduba V, Sanguli L, Ngumo JK, **Cohen CR**. Association of Hormonal Contraception and HIV-seroprevalence in Nairobi, Kenya. *AIDS*, 2003;17:2667-9.
- Mwachari CW, Meier AS, Muyodi J, Gatei W, Waiyaki P, **Cohen CR**. Chronic diarrhea in HIV-1 infected adults in Nairobi, Kenya: evaluation of risk factors and the WHO treatment algorithm. *AIDS* 2003;17:2124-2126.
- J Penner, A Meier, C Mwachari, F Ayuka, B Muchina, J Odhiambo, **CR Cohen**. Risk factors for pneumonia in urban-dwelling HIV-1 infected women: A case control study in Nairobi, Kenya. *J Acquir Immune Defic Syndr* 2003;32:223-8.
- Craig R. Cohen**, Joseph Gichui, Rachel Rukaria, Samuel S. Sinei, Lakshmi K Gaur, Robert Brunham. Investigation of immunogenetic correlates for *Chlamydia trachomatis* associated tubal infertility. *Obstet Gynecol*, 2003;101:438-44.
- Craig R. Cohen**, Lisa Gravelle, Samwel Symekher Peter Waiyaki, Walter E. Stamm, Julia A. Kiehlbauch. Etiology of Persistent Tubo-Ovarian Abscess in Nairobi, Kenya. *Infect Dis Obstet Gynecol* 2003;11:45-51.
- Craig R. Cohen**, Lisa E. Manhart, Elizabeth A. Bukusi, Sabina Astete, Robert C. Brunham, King K. Holmes, Samuel K. Sinei, Job J. Bwayo, Patricia A. Totten. Association of Mycoplasma genitalium with Acute Endometritis. *Lancet*, 2002;359:765-6.
- Mwachari C, **Cohen CR**, Meier A, Nganga L, Kimari J, Odhiambo J. Respiratory tract infection in HIV-1 infected adults in Nairobi, Kenya: evaluation of risk factors and the who treatment algorithm. *J Acquir Immune Defic Syndr* 2001;27:365-371.
- Omari A Mohamed, **Craig R Cohen**, Dorcas Kungu, Maureen A. Kuyoh, James A Onyango, Job J Bwayo, Mike Welsh, Paul J Feldbloom. Urine proves a poor specimen for culture of *Trichomonas vaginalis* in Women. *Sex Trans Infect* 2001;77:78-9.
- Craig R Cohen**, Rosemary Nguti, Elizabeth A Bukusi, Hung Lu, Caixia Shen, Ma Luo, Samuel Sinei, Frank Plummer, Job Bwayo, Robert C Brunham. HIV-1 infected women exhibit reduced interferon gamma secretion following *Chlamydia trachomatis* stimulation of peripheral blood lymphocytes. *J Infect Dis*, 2000;182:1672-7.
- Cohen CR**, Sinei S, Bukusi E, Bwayo J, Holmes K, Brunham R. Human leukocyte antigen class II DQ alleles associated with *Chlamydia trachomatis* tubal infertility, *Obstet Gynecol*, 2000;95:72-7
- Bukusi E, **Cohen CR**, Stevens C, Sinei S, Reilly M, Greico V, Eschenbach DA, Holmes K, Bwayo JJ, Ndinya-Achola JO, Kreiss JK. Effect of HIV-1 infection on microbial etiology and efficacy of ambulatory oral therapy of pelvic inflammatory disease. *Am J Obstet Gyn* 1999;181:1374-81.
- Cohen CR**, Plummer FA, Mugo N, Maclean I, Shen C, Bukusi EA, Irungu E, Sinei, S, Bwayo J, Brunham RC. Increased IL-10 in the endocervical secretions of women with non-ulcerative sexually transmitted diseases: a mechanism for HIV-1 transmission? *AIDS* 1999;13:327-32.
- Cohen CR**, Sinei S, Reilly M, Stamm W, Eschenbach D, Holmes K, Ndinya-Achola J O, Karanja J, Kreiss J. HIV and acute pelvic inflammatory disease: a laparoscopic study. *J Infect Dis*, 1998;178:1352-8.
- Cohen CR**, Brunham RC. Pathogenesis of chlamydia-induced pelvic inflammatory disease (review). *Sex Trans Infect*, 1999;75:21-4.
- Craig R Cohen**, Ann Duerr, Niwat Pruithithada, Sungwal Rugsao, Sharon Hillier, Patricia Garcia and Kenrad Nelson. Bacterial vaginosis and HIV seroprevalence among female commercial sex workers in Chiang Mai, Thailand. *AIDS* 1995; 9:1093-1098.

Abstracts

Sharma A, Bukusi EA, Keli F, **Cohen CR**. Sex worker condom use patterns by partner type. Microbicides 2004, London, March 28-31, 2004 (02390).

Bukusi E A; Steele M, **Cohen C R**, Nguti R N, Maingi C, Holmes K K. Acceptance and tolerance of three male microbicides among men attending an STD clinic. Microbicides 2004, London, March 28-31, 2004 (MIH-03).

Sharma A, Bukusi EA, Posner S, **Cohen CR**. Implication of current intravaginal practices among female sex workers in Nairobi, Kenya. Microbicides 2004, London, March 28-31, 2004 (02390-2).

CR Cohen, A Meier, C Shen, H Lu, M Luo, T Kinyari, N Mugo, R Nguti, RC Brunham. A role for humoral and cellular immunity in the prevention of *Chlamydia trachomatis* infection: a prospective human experiment. (Abstract oral 0489) ISSTD, Ottawa, Canada, July 27-31, 2003.

J Hebb, **CR Cohen**, S Astete, PA Totten. Detection of novel organisms associated with salpingitis using 16S ribosomal DNA PCR. (Abstract oral 0568) ISSTD, Ottawa, Canada, July 27-31, 2003.

S Haneuse, EA Bukusi, A Sharma, **CR Cohen**. Association of a risk scoring system for detection of *Neisseria gonorrhoeae* and *Chlamydia trachomatis* infection in women attending family planning and sexually transmitted disease clinics in Nairobi, Kenya. (Abstract oral 0496) ISSTD, Ottawa, Canada, July 27-31, 2003.

Cohen CR, Mugo NR, Kiehlbauch JA, Jensen SJ, Symekher S, Mwangi J, Matu M, Maina M, Nguti R, Waiyaki PG, Stamm WE. Effect of HIV-1 infection upon the etiology of acute salpingitis in Nairobi, Kenya. (Abstract poster) ISSTD, Ottawa, Canada, July 27-31, 2003.

Cohen CR, Mugo NR, Astete S, Odondo R, Manhart L, Kiehlbauch J, Stamm W, Waiyaki P, Totten P. Detection of *Mycoplasma genitalium* in laparoscopically diagnosed acute salpingitis in Nairobi, Kenya. (Abstract poster) ISSTD, Ottawa, Canada, July 27-31, 2003.

NR Mugo, J Kiehlbauch, W Stamm, D Eschenbach, K Holmes, R Nguti, **CR Cohen**. A Blinded Prospective Study of the Effect of HIV Infection on Treatment Outcome of Laparoscopically Verified Acute Salpingitis in Nairobi, Kenya. (Abstract poster) ISSTD, Ottawa, Canada, July 27-31, 2003.

Cohen CR, Mugo N, Bukusi EA, Maclean I, Bwayo JJ, Brunham RC. Exploration of HIV-infection as a risk factor for symptomatic plasma cell endometritis. 13th World AIDS Conference, Durban, South Africa July 2000 (Abstract poster MoPeB2235). Manuscript in preparation.

Mwachari C, **Cohen CR**, Meier A, Nganga L, Muyodi J, Nderitu W, Odhiambo J. Chronic diarrhea among a cohort of HIV-1 infected adults in Nairobi, Kenya: identification of risk factors and evaluation of the WHO treatment guidelines. 13th World AIDS Conference, Durban, South Africa July 2000 (Abstract oral Mo3260).

Bukusi EA, **Cohen CR**, Karanja JG, Waiyaki PW, Bwayo J, Eschenbach DA, Kreiss JK, Holmes KK. Bacterial vaginosis: evidence for sexual transmission and association with HIV-1 infection. 13th World AIDS Conference, Durban, South Africa July 2000 (Abstract oral Mo3258). Manuscript in preparation.

N Mugo, M Ndavi, B Oyieke, and **CR Cohen**. Male partners of women with PID in Nairobi, Kenya: contact tracing, sexual risk behavior, and diagnosis of sexually transmitted disease including HIV-1. 13th World AIDS Conference, Durban, South Africa July 2000 (Abstract poster Mo3254).

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