

## Biographical Summary

### **David C. Sokal, MD**

Scientist II, Clinical Sciences

FHI, Durham, NC

I obtained my undergraduate degree from Columbia University, followed by an MD degree from SUNY Buffalo in 1976, and trained clinically in pediatrics at the Phoenix Hospitals Associated Pediatric Program in Arizona. Following my clinical training, I joined the Epidemic Intelligence Service of the Centers for Disease Control and Prevention (CDC) in 1978, and worked as a medical epidemiologist at CDC in Atlanta for four years. I worked in Burkina Faso, West Africa for five years, 1980-82 and 1985-87 before joining FHI.

At FHI since August, 1987, I worked for five years in FHI's AIDSTECH project, helping to prevent the spread of HIV in developing countries. I helped develop several computer models of the AIDS epidemic, including The Futures Group's AIDS Impact Model (now the Spectrum model), and also helped develop HIV surveillance and prevention projects in several African countries.

In FHI's biomedical research group since 1992, I have worked on research studies in the areas of male and female sterilization, and vaginal barrier methods. I prepared and presented clinical data for two pre-IND meetings with the FDA, and helped prepare clinical presentations for FDA review panels for two devices for permanent female contraception that were subsequently approved: the Filshie Clip (1996), and the Essure device (2003). I am leading FHI's research on clinical studies of vasectomy techniques. In 2008, as a result of my vasectomy research, the American Urological Association invited me to join an AUA panel to help develop vasectomy guidelines for US surgeons – I am the only non-surgeon on the panel. I have recently become involved in exploring a new approach to facilitate adult male circumcisions, with the use of a novel Chinese device, the Shang Ring and am the Principal Investigator for a Gates grant to conduct clinical trials of the device in Africa.

I am author or co-author of over 70 articles published in refereed medical journals, and have obtained five patents for FHI: one for a novel method of nonsurgical fallopian tube occlusion and four for a new vaginal barrier device. I am the sole inventor or co-inventor on two pending patents, respectively, one for a vasectomy device and one for a modified nipple shield for the prevention of HIV transmission during breast feeding. I speak French fluently, am Board Certified in General and Preventive Medicine, and am an Adjunct Associate Professor of Epidemiology at the School of Public Health, UNC/Chapel Hill.

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Signed: David C. Sokal, MD



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## EDUCATION:

1979-1981	Residency in Public Health and General Preventive Medicine, Centers for Disease Control and Prevention (CDC), Atlanta, Georgia
1976-1978	Straight pediatric residency, Phoenix Hospitals Affiliated Pediatric Program, Phoenix, Arizona
1976 MD	SUNY at Buffalo School of Medicine, Buffalo, New York
1969 BA	Columbia College, Columbia University, New York City

## PROFESSIONAL EXPERIENCE:

### 1987 – Present      FHI, Durham, NC

1992 – Present: Scientist II, Clinical Sciences. Current major projects:

(1) Vasectomy: Lead clinician for several completed vasectomy studies including a multi-center randomized controlled trial in 7 countries (see published refs). I am the only non-surgeon member of a Guideline Panel of the American Urological Association to develop a guideline for vasectomy procedures in the United States. Additional vasectomy-related projects are ongoing, including a research-to-practice project in Rwanda, a clinical trial in India, and work on a novel patent-pending vasectomy device.

(2) Voluntary medical male circumcision: PI on a Gates' funded project to explore the use of a novel Chinese device, the Shang Ring, to facilitate the scale up of adult circumcision programs in Africa. Have participated as an invited expert in three WHO meetings, two on adult circumcision and one on neonatal circumcision.

(3) Non-woven devices: novel vaginal drug delivery device. Inventor and team leader for development of a new device composed of non-woven materials. The device could be used to deliver vaginal microbicides for HIV prevention, treatments for bacterial vaginosis or vaginal candidiasis, and new contraceptive agents, among others. Two patents were granted in 2010. Outside consultant is currently evaluating potential private sector interest.

Modified nipple-shield. Co-inventor and team leader for development of the device, currently waiting for news of a Gates Phase II grant application.

1987 – 1992      Epidemiologist and Associate Director, AIDSTECH Division, FHI.  
Worked on disease surveillance and prevention projects in Africa, and participated in the design of several computer models of the AIDS epidemic including SimulAIDS, iwgAIDS, FHI's AVERT model, and WHO's EpiModel. Served as acting director near the end of the project.

- 1985 – 1987**                    **Medical Care Development Inc (MCD).** Medical epidemiologist for USAID Project 686-0251, Strengthening Health Planning Capacity, in Ouagadougou, Burkina Faso, West Africa; implemented by MCD. Lived with family in Ouagadougou.
- 1978 – 1985**                    **Centers for Disease Control and Prevention (CDC), Atlanta, Georgia**
- 1983 – 1985      Acting Section Chief, Investigations Section, Special Studies Branch, Chronic Disease Division, Center for Environmental Health, CDC
- 1980 – 1982      Regional Epidemiologist for Francophone West Africa, International Health Program Office, based at the Centre Muraz, Bobo Dioulasso, Burkina Faso, West Africa. Lived with family in Bobo Dioulasso.
- 1978 – 1980      Epidemic Intelligence Service (EIS) Officer, Birth Defects Branch, Chronic Disease Division, CDC
- 1971 – 1972**                    **Lockport Union Sun & Journal,** Newspaper reporter, Lockport, New York.
- 1970 – 1971**                    **Volunteers In Service to America (VISTA),** VISTA Volunteer, based on the Crow Indian Reservation, Pryor, Montana.

#### **AFFILIATIONS:**

American Urological Association: (1) Invited member of a Guideline Panel for Vasectomy Procedures;  
 (2) Invited member of a male circumcision working group.  
 Adjunct Associate Professor, Dept. of Epidemiology, School of Public Health, University of North Carolina, Chapel Hill, NC.  
 Academy of Pharmaceutical Physicians and Investigators  
 Global Health Council  
 Association of Reproductive Health Professionals

#### **AWARDS:**

The 2001 Ortho Prize for the Best Research Paper at the Annual Meeting of the Association of Reproductive Health Professionals, Dec. 14, 2001 in Washington DC. The title of the paper was: "Vasectomy with fascial interposition vs. ligation and excision alone: a randomized controlled trial."

The 2001 FHI Award for Outstanding Scientific Contribution, for research on methods of female and male sterilization and vaginal barrier methods, presented October 12, 2001.

The Bronze Medal for Meritorious Service, August 3, 1986, from the Government of Burkina Faso, presented by President Thomas Sankara.

The U.S. Public Health Service Unit Commendation, April 1, 1985, "for outstanding contributions ... in implementing ... the Superfund legislation."

The U.S. Public Health Service Unit Commendation, March 19, 1985, "for outstanding contributions ... in CDC Lead Poisoning Prevention Activities."

The U.S. Public Health Service Achievement Medal, June 6, 1984, "for outstanding ... leadership in ...investigation of Superfund toxic waste sites."

## **PATENTS:**

US Patent No.: 7824383, issued Nov. 2, 2010. Vaginal drug delivery system and method. Inventors: Sokal, David C., Joanis, Carol L., Butterworth, George A. M., Reed, James D., Johnson, Robert A.

US Patent No.: D619250, issued July 6, 2010. Vaginal drug delivery device. This is a design patent for the lead prototype design of FHI's vaginal drug delivery device. Inventors: Reed, James D., Butterworth, George A. M., Jenkins, David W., Joanis, Carol L., Sokal, David C.

Patent pending: Vas Deferens Vasectomy Capping Device. US Patent Application 20090078271. Inventors: Sokal, David C. Application Number: 12/235727. A device to improve vasectomy effectiveness.

US Patent Number: 6,125,850 - issued October 3, 2000. Title: Vaginal Device. Inventors: David C. Sokal, Laneta J. Dorflinger, Tapani Luukkainen, Parthena Martin

US Patent Number: 5,885,601 – issued March 23, 1999. Title: Use of Macrolide Antibiotics for Nonsurgical Female Sterilization and Endometrial Ablation. Inventor: David C. Sokal.

US Patent Number: 5,819,742 – issued October 13, 1998. Title: Vaginal Device for Preventing Conception or the Transmission of Sexually Transmitted Diseases, or Both. Inventors: David C. Sokal, Laneta J. Dorflinger, Tapani Luukkainen, Parthena Martin

## **LICENSURE and CERTIFICATION:**

State of Arizona (FLEX), 1977

Board Certified in General Preventive Medicine, 1992

Current medical license from the state of Arizona.

## **LANGUAGE PROFICIENCY:**

English - Native speaker

French - Fluent reading and speaking; fair to good writing.

Spanish - Fair reading ability.

Russian - Studied at university level, but not used since then.

## **CONSULTING, WORKSHOPS & TRAVEL:**

### Consulting & Workshops

Summer, 2008: Attended a one-month workshop at MIT (IDDSummit.org) and worked with a team of young engineers to devise a novel approach for prevention of HIV transmission during breast feeding. A patent is pending; additional information is at: justmilk.org; and FHI won a Gates Grand Challenge / Explorations award to work on further development of this approach.

2001 to 2007: Consultant at various times to three companies on new contraceptive methods.

1992-96 - For five summers, I taught one week of a four-week course on "Planning for the AIDS Epidemic," organized by the Overseas Development Group of the University of East Anglia, Norwich, UK. My part of the course dealt with teaching participants how to evaluate the available HIV seroprevalence data, and then how to use computer models to estimate future AIDS cases.

### Recent international travel

2010 – China, Kenya, South Africa, Switzerland, Zambia,

2009 – China, India, Kenya

2008 – China, India  
2007 – India, Vietnam  
2006 – Vietnam, Thailand, Burkina Faso  
2005 – India

## **COMPUTER SKILLS:**

Websurfer, Word, Excel, Powerpoint, ProCite/EndNote, basic epidemiologic statistics, and basic skills with mobile phone / PC interactions. Experience with computer models of the AIDS epidemic.

## **PUBLICATIONS & PRESENTATIONS:**

### Peer-reviewed publications

Peng Y, Masson P, Li PS, Chang Y, Tian L, Lee R, Kim H, Sokal DC, Goldstein M. No-needle local anesthesia for adult male circumcision. J Urol. 2010 Sep;184(3):978-83.

Rajan SS, Sokal D. A simpler tool for estimation of HIV incidence from cross-sectional, age-specific prevalence data. J Epidemiol Community Health. 2010 Jun 16. [Epub ahead of print] Print citation: J Epidemiol Community Health 2011;65:111-115 Published Online First: 16 June 2010  
doi:10.1136/jech.2009.091959.

Sokal DC. Vasectomy techniques--need for better occlusion methods (Editorial). Asian J Androl. 2010 May;12(3):442-3. Epub 2010 Mar 15.

Sokal, D.C., Vach, T.H., Nanda, K., McCann, M.F., Weiner, D.H., Drobnies, C., Rochanawutanon, M., Duc, N.B., Loan, N.D. Quinacrine sterilization and gynecologic cancers: a case-control study in Northern Vietnam. Epidemiology: 2010 Mar;21(2):164-71.

Yue CHENG, Yi-Feng PENG, Yi-Dong LIU, Long TIAN, Nian-Qing LÜ, XINJUN SU; ZEJUN YAN; JIASHENG HU, Richard LEE, Howard H. KIM, David C. SOKAL, Philip S. LI. Adult Male Circumcision Using the Chinese Shang Ring: Results of 328 Cases and a Recommended Standard Surgical Protocol in China. Natl J Andrology (China) [Zhonghua Nan Ke Xue]: 2009; 15(7): 584-592. Chinese. [English translation available]

Li PS, Lü NQ, Cheng Y, Peng YF, Tian L, Liu YD, Ben KL, Xu JC, Lee R, Kim H, Sokal DC. [The need for high-quality training and surgical standards for adult male circumcision in China] Natl J Andrology (China) [Zhonghua Nan Ke Xue]: 2009 May;15(5):390-4. Chinese.

Sokal DC, Labrecque M (2009). "Effectiveness of vasectomy techniques." Urol Clin North Am 36(3): 317-29.

Rajan SS, Sokal DC. Comparison of projected and actual outcomes of the HIV/AIDS epidemic in Malawi, 1990-2000. PLoS One. 2009 Aug 27;4(8):e6806.

Cancel AM, Dillberger JE, Kelly CM, Bolte HF, Creasy DM, Sokal DC. "A lifetime cancer bioassay of quinacrine administered into the uterine horns of female rats." Regul Toxicol Pharmacol. 2009 (Jul) [Epub ahead of print].

Li PS, Lü NQ, Cheng Y, Peng YF, Tian L, Liu YD, Ben KL, Xu JC, Lee R, Kim H, Sokal DC. [The need for high-quality training and surgical standards for adult male circumcision in China] *Nat'l J Andrology (China)* [Zhonghua Nan Ke Xue]: 2009 May;15(5):390-4. Chinese.

Sokal DC, Trujillo V, Guzmán SC, Guzman-Serani R, Wheelless A, Hubacher A. Cancer risk after sterilization with transcervical quinacrine: updated findings from a Chilean cohort. *Contraception*, 2010 Jan;81(1):75-8. Epub.

Steward B, Hays M, Sokal D. Diagnostic accuracy of an initial azoospermic reading compared with results of post-centrifugation semen analysis after vasectomy. *J Urol*. 2008 Nov;180(5):2119-23. Epub 2008 Sep 18.

Sokal, D. C.; Hieu do, T.; Loan, N. D.; Hubacher, D.; Nanda, K.; Weiner, D. H., and Vach, T. H. Contraceptive effectiveness of two insertions of quinacrine: results from 10-year follow-up in Vietnam. *Contraception*. 2008 Jul; 78(1):61-5.

Sokal, D. C.; Hieu do, T.; Loan, N. D.; Hubacher, D.; Nanda, K.; Weiner, D. H., and Vach, T. H. Safety of quinacrine contraceptive pellets: results from 10-year follow-up in Vietnam. *Contraception*. 2008 Jul; 78(1):66-72.

Haneke K, Sokal D. Transcervical sterilization. *Curr Opin Obstet Gynecol*. 2008 Apr;20(2):182-3 (letter); author reply183-4.

Sokal D. Important Omissions from this Review. Ltr to the editor, posted to web, *BMJ* 20 December 2007, available at: <http://www.bmj.com/cgi/eletters/335/7631/1206#184337>. Comment on: Malone P, Steinbrecher H. Medical Aspects of male circumcision. *BMJ* 2007; 335:1206-1209. (December 8).

Labrecque M, Hays M, Chen-Mok M, Barone MA, Sokal D. Frequency and patterns of early recanalization after vasectomy. *BMC Urol*. 2006 Sep 19;6:25.

Sokal D. Comment. *J Urol*. 2006 Jul;176(1):236, on: Barone MA, Hutchinson PL, Johnson CH, Hsia J, Wheeler J. Vasectomy in the United States, 2002. *J Urol*. 2006 Jul;176(1):232-6.

Cancel, A. M., T. Smith, U. Rehkemper, J. E. Dillberger, D. Sokal, and R. M. McClain. A one-year neonatal mouse carcinogenesis study of quinacrine dihydrochloride. *Int J Toxicol* 2006, 25:109-18.

Labrecque M, Barone MA, Pile J, Sokal DC. Re: How little is enough? The evidence for post-vasectomy testing. *J Urol*. 2006 Feb;175(2):791-2; Letter, author reply 792.

Labrecque, M.; Pile, J.; Sokal, D.; Kaza, R. C.; Rahman, M.; Bodh, S.; Bhattarai, J.; Bhatt, G. D., and Vaidya, T. M. Vasectomy surgical techniques in South and South East Asia. *BMC Urol*. 2005 May 25; 5(1):10.

Aradhya KW, Best K, and Sokal DC. Recent Developments in Vasectomy. *British Med J* 2005 Feb 5; 330(7486):296-9.

Sokal DC, Irsula B; Chen-Mok M, Labrecque M, Barone MA and the Investigator Study Group. A comparison of vas occlusion techniques: cautery is more effective than ligation and excision with fascial interposition. *BMC Urol* 2004 Oct 27; 4:12.

Barone MA, Irsula B, Chen-Mok M, and Sokal D. Effectiveness of vasectomy using cautery. BMC Urology. BMC Urol. 2004 July 19; 4:10.

Deneux-Tharaux C, Nazerali H, Kahn GE, Sokal DC. Pregnancy rates after vasectomy: a survey of US urologists. Contraception, 2004; 69; 5:401-406.

Khella AK, Fahim HI, Issa AH, Sokal DC, Gadalla MA. Lactational amenorrhea as a method of family planning in Egypt. Contraception, 2004; 69: 317-322.

Sokal DC, Irsula B, Hays M, Chen-Mok M, Barone MA and the Investigator Study Group. Vasectomy by ligation and excision, with versus without fascial interposition: a randomized controlled trial. [ISRCTN77781689] . BMC Medicine. 2004 Mar 31; 2:6.

Barone M. A., Nazerali H., Cortes M., Chen-Mok M., Pollack A.E., and Sokal D. A Prospective Study of Time and Number of Ejaculations to Azoospermia after Vasectomy by Ligation and Excision. J. Urology, 2003 Sep;170(3):892-6.

Sokal DC. Recent research on vasectomy techniques. Asian J Androl 2003 Sep; 5:227-230.

Chen-Mok M, Bangdiwala SI, Dominik R, Hays M, Irsula B, Sokal DC. Termination of a randomized controlled trial of two vasectomy techniques. Controlled Clinical Trials, 2003; 24:78-84.

Wood BL, Doncel GF, Reddy PR, Sokal DC. Effect of diltiazem and methylene blue on human sperm motility, viability and cervical mucus penetration: potential use as vas irrigants at the time of vasectomy. Contraception, 2003 (March); 67: 241-245.

Nazerali H, Thapa S, Hays M, Pathak LR, Pandey KR, Sokal DC. Vasectomy Effectiveness in Nepal: a Retrospective Study. Contraception, 2003 (May); 67: 397-401.

El-Tagy A, Sakr E, Sokal DC, Issa AH. Safety and acceptability of post-abortion IUD insertion and the importance of counseling. Contraception, 2003 (March); 67: 229-234.

Clarke JJ, Sokal DC, Cancel AM, Campen D, Guid R, Wagner VO, San RHC, Jacobson-Kram D. Re-evaluation of the mutagenic potential of quinacrine dihydrochloride. Mutation Research, 2001 Jul 25;494(1-2):41-53.

Sokal D, Hieu DT, Weiner DH, Vinh DQ, Trinh Huu Vach TH, Hanenberg R. Long-term Follow-up after Quinacrine Sterilization in Vietnam, Part I: Interim Efficacy Analysis. Fertility and Sterility 2000; 74:1084-1091.

Sokal D, Hieu DT, Weiner DH, Vinh DQ, Trinh Huu Vach TH, Hanenberg R. Long-term Follow-up after Quinacrine Sterilization in Vietnam, Part II: Interim Safety Analysis. Fertility and Sterility 2000; 74:1092-1101.

Fail PA, Martin P, Sokal D. Comparative effects of quinacrine and erythromycin in adult female rats: a nonsurgical sterilization study. Fertility and Sterility 2000; 73:387-94.

Sokal D, Dabancens A, Guzman-Serani R, Zipper J. Cancer Risk Among Women Sterilized With Transcervical Quinacrine in Chile: An update through 1996. Fertility and Sterility 2000; 74:169-71.

Sokal D, Gates D, Amatya R, Dominik R, and the Clinical Investigator Team. Two randomized controlled trials comparing the tubal ring and the Filshie Clip for tubal sterilization. *Fertility and Sterility* 2000; 74:525-33.

Dominik R, Gates, D, Sokal D, et al. Two randomized controlled trials comparing the Hulka and Filshie Clips for tubal sterilization – a longitudinal cohort study. *Contraception* 2000; 62:169-75.

Feldblum P, Hays M, Zipper J, Guzman-Serani R, Sokal DC. Pregnancy rates among Chilean women who had non-surgical sterilization with quinacrine pellets between 1977 and 1989. *Contraception* 2000; 61:379-384.

Ba MG, Moreau JC, Sokal D, Dunson R, Dao B, Kouedou D, Diadiou F. A 5-year clinical evaluation of Norplant implants in Senegal. *Contraception* 1999; 59: 377-81.

Sokal D, McMullen S, Gates D, Dominik R, et al. A comparative study of the no-scalpel approach and the standard incision approach to vasectomy in five countries. *Journal of Urology* 1999; 162:1621-1625. Comment and reply in: *J Urol*. 2000 Jun;163(6):1892-3.

Hieu DT, Hanenberg R, Vach TH, Vinh DQ, Sokal D. Maternal mortality in Vietnam in 1994-95. *Studies in Family Planning* 1999; 30: 329-38.

Sokal DC, Lambertsen C. The pus is moving - a case of cutaneous myiasis. *North Carolina Med J* January/February 1999; 60(1):52-3.

Rehle TM, Saidel TJ, Hassig SE, Bouey PD, Gaillard EM, Sokal DC. Avert: a user-friendly model to estimate the impact of HIV/sexually transmitted disease prevention interventions on HIV transmission. *AIDS*, 1998; 12 Supp.2:S27-S36.

Bernstein, RS, Sokal DC, Seitz ST, Auvert B, Naamara W, Stover J. Simulation modeling of single and combined interventions to control a heterosexual HIV epidemic: *Interfaces*, 1998; 28:101-126.

Sokal DC, Ankrah EM. Would you like to use one condom or two? (Editorial) *STD* 1997;24:550-551.

Buzingo T, Alary M, Sokal DC, Saidel T. [The prevalence of HIV and risk behavior of prostitutes living in 2 populous regions of Bujumbura (Burundi) (published erratum appears in *Sante* 1998 Mar-Apr;8(2):118)]. [French] *Sante* 1997; 7:355-60.

Laufe LE, Sokal DC, Cole LP, Shoupe D, Schenken RS. Phase I pre hysterectomy studies of the transcervical administration of quinacrine pellets. *Contraception* 1996; 54:181-186.

Saidel T, Sokal DC, et al. Validation of a Method to Estimate Age-specific HIV Incidence Rates in Developing Countries Using Population-based Seroprevalence Data. *Am J Epidemiol* 1996; 144:214-223.

Dabancens A, Sokal D, Pruyas M, Rivera M, Zipper J. Prevalence and Standardized Incidence Rates of Preclinical Cervical Pathology among 1061 Women Sterilized with Transcervical Quinacrine Pellets. *Fert & Ster* 1995; 64:444-6.

Sokal D, Hermonat P. Inactivation of papillomavirus by low concentrations of povidone-iodine. *Sexually Transmitted Diseases*, 1995, 22:22-24.



Sokal D, Hermonat P. Priorities for Vaginal Microbicide Research (letter). *AJ Pub Hlth*, 1995; 85:737-8.

Sokal D, Zipper J, Guzman-Serani R, Aldrich TE. Cancer Risk among Women Sterilized with Transcervical Quinacrine Hydrochloride, 1977-91. *Fert & Ster* 1995;64:325-34.

Sokal D, Zipper J, King T. Transcervical quinacrine sterilization: clinical experience. *Intl J of Gyn & Ob* 1995; 51: Suppl.1:S57-S69.

Hanenberg R, Rojanapithayakorn W, Kunasol P, and Sokal D. The impact of Thailand's HIV Control Programme, as indicated by the decline of sexually transmitted diseases. *The Lancet*, Vol. 344 (July 23, 1994), pp. 243-245.

Sokal DC, Hanenberg R. Quinacrine family planning method (letter). *The Lancet*, Vol. 343 (June 4, 1994), pp. 1426-1427.

Newton EAC, White FMM, Sokal DC, King TDN, Forsythe SS. Modeling the HIV/AIDS epidemic in the English-speaking Caribbean. *Bull PAHO*, 1994, 28:239-249.

Sokal D, Buzingo T, Nitunga N, Kadende P, Standaert B, Geographic and Temporal Stability of HIV Seroprevalence among Pregnant Women in Bujumbura, Burundi. *AIDS* 1993, 7:1481-84.

Garcia-Calleja JM, Zekeng L, Louis JP, Mvondo JL, Trebucq A, Sokal D, Yanaga D, Ndoumou A, Andela D, Salla R, et al. HIV infection in Cameroon: 30 months' surveillance in Yaounde (letter). *AIDS* August 1992, 6(8):881-2.

Zekeng L, Yanga D, Trebucq A, Sokal D, Salla R, Kaptue L. HIV prevalence in patients with sexually transmitted diseases in Yaounde, Cameroon, 1989 and 1990: necessity of an STD control program. *Genitourinary Med* 1992.

May JF, Van de Perre P, Sokal D, Carael M, Fox E, Habiy kare T, Bucyendore A. AIDS prevention and family planning (letter). *Lancet* 1991; 338:63-4.

Sokal DC, Sawadago L, Adjibade A. Risk indicators for cephalopelvic disproportion in Burkina Faso, West Africa. *Int J Gyn Ob* 1991; 35:347-50.

Sokal D, Lankoande D, Mugrditchian P, et al. The use of male STD history as an indicator for impact assessment. In: *Assessing AIDS Prevention: selected papers presented at the Int'l Conference held in Montreux, Switzerland, 29 October-1 November 1990*; 75-83.

Kennedy KJ, Fortney JA, Sokal DC. Breastfeeding and HIV (Letter). *Lancet* 1989; i:333.

Sokal DC, Imboua-Bogui G, Soga G. Neonatal tetanus mortality in rural Ivory Coast, West Africa. (Summary published in the *Weekly Epidemiologic Record* 1983; 71-2). *Bull WHO* 1988; 66:69-76.

Rowley DL, Rab MA, Hardjotanojo W, Liddle J, Sokal DC, et al. Convulsions caused by Endrin Poisoning in Pakistan. *Pediatrics* 1987; 79:928-34.

Binder S, Sokal DC, Maughan D. Estimating soil ingestion: the use of tracer elements in estimating the amount of soil ingested by young children. *Archives of Environmental Health* 1986; 41:341-5.

Budnick LD, Kilbourne EM, Sokal DC, Falk H. Preventing traffic fatalities (letter). JAMA 1985; 253:1559-60.

Sokal DC. Cigarette advertising in the Third World (letter). NYS J Med 1985; 85:467-8.

Budnick LD, Sokal DC, Falk H, Logue JN, Fox JM. Cancer and birth defects near the Drake superfund site, Pennsylvania. Archives of Environmental Health 1984; 39:409-13.

Guiguemde TR, Sokal DC, Roux J. La Dracunculose, probleme de sante publique? Médecine d'Afrique Noire 1983; 30:419-26.

Sokal DC, Byrd JR, Chen ATL, Goldberg MF, Oakley GP. Prenatal chromosomal diagnosis: racial and geographic variation for older women in Georgia. JAMA 1980; 244:1355-7.

### Selected Presentations:

C Hart, C Joanis, J Smit, D Jenkins, G.A.M. Butterworth, D Sokal. Acceptability of a Novel Device for Vaginal Drug Delivery. Poster presented at Microbicides 2010, May 22-25, Pittsburg, PA.

Adult Circumcision for HIV Prevention in Africa. Oral presentations in China, January, 2010, to several groups: Anhui Province Urology Association's monthly meeting at Wuhu Second People's Hospital in Wuhu (over three hundreds urologists attended this seminar); medical students and staff at the Nanjing General Military Hospital, the largest military hospital in China (about 50 people attending); staff of the Jiangsu Research Center for Reproductive Health, Nanjing (about 30 research staff attending); and a group of Urologists from various institutions in Beijing (about 20 attending).

Adult Male Circumcision Devices: Clinical Issues. Oral presentation at a WHO expert meeting on devices for adult circumcision, Nairobi, March, 2009.

Sokal D, Jenkins D, Joanis C, Ingraham K, Hart C, Butterworth T. Soft, Non-Woven Device for Vaginal Microbicide Delivery. Poster presented at Microbicides 2008, Feb. 24-27, New Delhi, India.

Sokal D, Haneke K, Robinson E, Katz K, Dorflinger L. Reproductive Health 2007 Scientific Abstracts: FHI's decision to halt development of quinacrine: why and how (P48). Contraception 2007; 76(2):173-174.

David C. Sokal, MD; Diana Blithe, PhD; Henry Gabelnick, PhD. The Future of Male Contraception. Oral presentation at the International Conference on Men as Partners in Sexual and Reproductive Health; 28 November - 1 December 2004, Mumbai, India

Sokal DC. Recent research on vasectomy techniques. Oral presentation at the "Symposium on Expanding Contraceptive Choices," in Mumbai, India, Dec. 8, 2003.

Sokal DC, Irsula B, Chen-Mok M, Labrecque M, Barone M. A comparison of vas occlusion techniques: cautery vs. ligation and excision with fascial interposition. Oral presentation at the Annual Meeting of the Association of Reproductive Health Professionals, Sept. 11, 2003 in San Diego, CA. Abstract in: Contraception. 2003; 68:143.

Sokal DC, Chen M, Irsula B, Hays M, Barone M and the Investigator Study Group. "Vasectomy with fascial interposition vs. ligation and excision alone: a randomized controlled trial." Oral presentation at

the Annual Meeting of the Association of Reproductive Health Professionals, Dec. 14, 2001 in Washington DC.

Nazerali H, Thapa S, Hays M, Pathak LR, Pandey KR, Sokal DC. How effective is vasectomy by ligation and excision? New findings from Nepal. Oral presentation at the Annual Meeting of the Association of Reproductive Health Professionals, Dec. 14, 2001 in Washington DC.

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