US Government attacked on sexual health policies

In the US, Democratic Representatives have criticised the administration for eliminating vital information from a government fact sheet on HIV and sexually transmitted disease (STD) prevention, including how to use a condom properly, and evidence that educating youngsters about condoms does not foster earlier sexual activity.

The fact sheet previously advised abstention from sex as the best way to avoid sexually transmitted infections (STIs) and HIV but added that ‘latex condoms were highly effective when used correctly and consistently’. The revised version says that ‘no protective method is 100% effective, and condom use cannot guarantee absolute protection against any STD’.

The alterations and deletions ‘appear to be part of an Orwellian trend’, according to 14 Democratic Representatives in a letter to the government’s US Centers for Disease Control and Prevention. The legislators claim that ‘information that used to be based on science is being systematically removed from the public when it conflicts with the administration’s political agenda’.

The Bush administration is also criticised by the American Civil Liberties Union for financially supporting family planning programs in which youngsters are encouraged to ‘pledge’ to abstain from premarital sex. Abstinence Programs do not teach about contraceptive methods and sometimes link abstinence with the risk of fundamentalist Christian messages. A vast questionnaire study of US adolescents has raised serious questions about the impact of Abstinence Programs. Younger adolescents who ‘pledge’ do not delay first intercourse compared with those who choose not to pledge. However ‘pledging’ makes no difference to the sexual debut of 18-year-olds, evidence that ‘pledging’ is likely to use contraception at first intercourse.

The International Planned Parenthood Federation (IPPF) General Director, Dr Steven Sridhar, spoke recently of George Bush’s ‘seemingly single-minded determination to strip women of reproductive rights and access to reproductive health services’. IPPF lost $18 million in US government funding in its fight against the Bush administration’s proposed decision to block funding for IPPF and other groups for providing family planning services in any program that includes abortion. The IPPF also claims that US government funding of any organisation directly or indirectly involved in abortion-related activity.


JOURNAL CLUB


Although cervical cancer is now relatively uncommon in the UK, worldwide it is the second most common cause of cancer-related mortality in women. Persistent infection with oncogenic human papillomavirus (HPV) is now the single most important factor in the development of pre-invasive and invasive cancer. Oncogenic types of HPV DNA are detected in virtually all cervical cancers and recognition of this crucial role has stimulated the investigation and development of HPV vaccines in both prophylactic and therapeutic settings. Such strategies could prevent cancer deaths, especially in developing countries where population screening is not feasible and therapeutic options can be limited.

This paper presents an interim analysis of a large, double-blinded multicentre randomised controlled trial. The aim of this trial is to determine if a HPV 16 virus-like particle (VLP) vaccine will prevent HPV 16 infection. A total of 2392 women aged 16–23 years, recruited by general practitioners and advertising at college campuses in the US, received three doses of either HPV 16 vaccine or placebo. The analysis presented is restricted to 1351 women who received three doses of either HPV 16 vaccine or placebo. The analysis presented is restricted to 1351 women who received three doses of either HPV 16 vaccine or placebo. They were followed-up for up to 4 years post-vaccination. The median follow-up of this subgroup was 17.4 months. Of the women receiving the active vaccine, 99.7% had seroconverted with mean antibody titre of 1510 mMU/ml compared with < 6 mMU/ml in the placebo arm and 0 per 100 women-years in the placebo arm. The analysis presented is restricted to 1351 women who received three doses of either HPV 16 vaccine or placebo. They were followed-up for up to 4 years post-vaccination. The median follow-up of this subgroup was 17.4 months. Of the women receiving the active vaccine, 99.7% had seroconverted with mean antibody titre of 1510 mMU/ml compared with < 6 mMU/ml in the placebo arm and 0 per 100 women-years in the placebo arm. They were followed-up for up to 4 years post-vaccination. The median follow-up of this subgroup was 17.4 months. Of the women receiving the active vaccine, 99.7% had seroconverted with mean antibody titre of 1510 mMU/ml compared with < 6 mMU/ml in the placebo arm and 0 per 100 women-years in the placebo arm. They were followed-up for up to 4 years post-vaccination. The median follow-up of this subgroup was 17.4 months. Of the women receiving the active vaccine, 99.7% had seroconverted with mean antibody titre of 1510 mMU/ml compared with < 6 mMU/ml in the placebo arm and 0 per 100 women-years in the placebo arm.

This study has concentrated on HPV infection but it is fundamental to confirm whether preventing infection will impact on deaths from cervical cancer. The subjects in this study come from a high prevalence group. A public health vaccination programme will work best on the basis of sexual behaviour and we need to know the effect of vaccination on a population-based cohort. This is of particular importance in the developing countries where such rigorous selection criteria and evaluation of HPV infection are not practical and the impact on cervical cancer, where screening is not an option, needs to be seen. This will require much larger populations and long-term follow-up. In addition, HPV vaccines are known to be highly specific and vaccinating against one subtype may produce less effect on cervical disease as other HPV infections replace the eliminated type.

Effective vaccination against HPV has been anticipated for a number of years now and this trial demonstrates the significant impact it can have on HPV 16 infection. The completion and final analysis of the trial will be as important as these early results and may produce essential data on vaccination strategies in the years ahead.

Reviewed by Maggie Cruikshank, MB ChB, MRCPG
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This small study questioned 186 university students on their understanding of the risks of venous thromboembolism (VTE) when taking the combined oral contraceptive (COC). One hundred and thirty-five women in this group were put into the pill-taking or had taken it in the past. The women were randomly divided into two groups. One group had the standard information about the COC and the other group had additional information about the risks of VTE following the statement of the Committee on Safety of Medicines (CSM) in 1999, where the previous advice of 1995 was withdrawn. Only about two-thirds of each group could give the correct advice when asked in a questionnaire. The additional information made no difference. The authors are of the opinion that there is very little research done on how to put information cross to women regarding the risks of the pill, especially when information becomes sensationalised by unbalanced reporting in the press.

Reviewed by Judy Murty, DRCOG, MFPP
SCMO, Contraceptive and Sexual Health Services, Leeds, UK.


This paper reviews a method of starting the pill at the first visit to the clinic. The authors describe it as the ‘Quick Start’ method. They consider that the traditional way of starting the pill on the first day of the menstrual cycle is to avoid an unexpected pregnancy occurring in the first packet of pills. It is now established that taking hormones in early pregnancy are not harmful to the fetus so it does not matter when the pill is started. The authors have used the Quick Start method of starting the combined oral contraceptive (COC) for several years in their clinics and it is offered to patients at the discretion of the provider. How they advised starting the pill was at the preference of the clinician.

The study was not randomised. Two hundred and fifty women were recruited and 62 (25%) took the first pill at the clinic. The study reviewed the continuation rate of the method after one cycle. The authors cite a study association with continuing the COC was if the partner was aware (odds ratio (OR) 3.9; CI 1.9–8.3) which was followed by Quick Start (OR 2.8; CI 1.1–7.3). There were no differences in bleeding pattern when the Quick Start method was used. This study was not randomised and it depended on the clinician’s opinion whether the woman was offered Quick Start. In addition, the follow-up time was very short. So is the analysis reflecting the clinicians’ practice rather than the way the pill is started? The authors admit that a randomised trial is needed to see if there is a true effect. Does it fit with the start method one’s own practice? The authors feel that it reduced the amount of counselling needed at the first visit as the women needed less information about how and why they would start the pill and by forgetting the information. I am sure we all have instances in our own practice where young women have become pregnant after receiving the pills and before starting them. Maybe by getting them at the first visit we could reduce the chance of pregnancy if they are not already at risk. Would it not be interesting to see when the women want to start the pill rather than when the clinician feels is the best time?

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