Labial adhesions following severe primary genital herpes

Editor,—Labial adhesions following genital herpes infection have been described previously.1–3 To prevent their development various suggestions such as the use of early aciclovir,4 paraffin gauze,5 and saline bathing6 have been put forward. We believe nursing care is a significant factor in the prevention of this complication. Here we report two cases of severe genital herpes presenting at different sites, almost at the same time, both necessitating admission and developing labial adhesions.

CASE 1
A 25 year old woman was admitted to the medical ward with severe vulval ulceration, generalised skin rash, and difficulty in micturition of 4 days’ duration. Clinical examination revealed target lesions, swollen labia, bilaterally enlarged tender inguinal lymphadenopathy with extensive vulval ulcerations. A clinical diagnosis of erythema multiforme secondary to herpes simplex virus (HSV) was made. However, swabs taken at admission for HSV culture were negative. The patient was commenced on oral aciclovir and metronidazole and advised to use topical lignocaine gel, subcutaneous morphine, intravenous metronidazole, and cefuroxime, and insulin by sliding scale. Two days later she developed perineal and vulval ulcerations and intravenous aciclovir was added. In view of failure of clinical response the genitourinary department was asked to review the case. Examination revealed perineal and perianal ulcers. A diagnosis of primary HSV was made, intravenous antibiotics were stopped, and oral antibiotics were started. The nursing staff were instructed to offer the patient a Sitz bath twice daily in view of extensive discomfort and oedema. Swabs taken confirmed the diagnosis of HSV-1. The patient made gradual recovery and she was allowed home after 1 week in hospital. Two weeks later when she presented to the genitourinary medicine clinic, genital examination showed a thick band of adhesions between the middle halves of the labia minora, and new herpetic lesions (fig 1). She was prescribed oral valaciclovir, metronidazole, and lignocaine gel and advised to continue salt and water bathing at home. A follow up appointment was arranged for release of adhesions. Surprisingly, separation of adhesions was not needed.

COMMENT
These two cases illustrate that females with severe genital herpes can be admitted to different hospital departments other than genitourinary medicine, where the nursing staff may not be familiar with the management and complications of this infection. Patients should be encouraged to separate the labial folds; this can be facilitated by the liberal use of local anaesthetic agents with the assistance of the nursing staff. Frequent saline bathing of the genitalia should be encouraged to facilitate the removal of the fibrinous exudate, which is responsible for the formation of these adhesions.

GUM nurses and physicians should play an active part in the education and nursing care of such cases and lead the management especially when admitted to other specialties.

Contributors: EH managed case 1, JD managed case 2, while both authors wrote the manuscript.

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1–4 www.sextransinf.com

Respiratory and cutaneous manifestations of disseminated cryptococcosis in AIDS

Editor,—A 26 year old, previously fit and well Afro–Caribbean man, presented with a 5 week history of a “flu-like” illness. Initially treated with antibiotics, the patient deteriorated, developing a cough, haemoptysis, progressive breathlessness, intermittent blurring of vision, and a rash. Investigations indicated he was HIV positive.

On examination, though orientated, he looked unwell and was febrile. He had an extensive papulonodular rash on his face, trunk, and limbs. Many of these lesions were centrally umbilicated with areas of associated haemorrhage (fig 1). Respiratory examination revealed decreased air entry in the right chest and coarse inspiratory bi–basal crackles. Fundoscopy demonstrated retinal pallor, congested optic discs, and bilateral soft exudates associated with haemorrhages. He had no focal neurological signs.

Full blood count, urea and electrolytes, and clotting screen were normal. Arterial blood gases on 35% oxygen revealed a pH of 7.44, Pao, 9.4 kPa, Paco, 2.7 kPa, base excess –8.2. Chest radiograph demonstrated bilateral infiltrates with a right sided pleural effusion.

The patient had been treated for a presumed diagnosis of severe community acquired pneumonia and/or Pneumocystis carini pneumonia plus Molluscum contagiosum of the skin. In view of the patient’s clinical findings, additional therapy was commenced with anticytomegalovirus (CMV) and anticyptococcal agents.

Urgent blood and pleural fluid cryptococcal reactive antigen testing (CRAG) were strongly positive at a titre of >1:2048. Blood CMV PCR was negative. The patient could not tolerate a lumbar puncture. Despite initial improvement, he developed progressive respiratory failure and died. The post mortem revealed disseminated cryptococcal disease with involvement of brain, skin, lung, heart, liver, spleen, kidneys, pancreas, thyroid, bowel, adrenal glands, and testes.

Figure 1 Cryptococcal skin lesions associated with disseminated disease.
CASE REPORT
A 19 year old man presented with 2 day history of extensive painful pustular eruptions of the hands, forearms, and chest. He also felt unwell and had fever. Fingers were stiff and could not be fully extended. He was seen in the local accident and emergency department and prescribed flucloxacillin. On direct questioning he admitted that his illness started with painful penile ulcers followed 2 days later by hyperkeratotic crops of blisters, which then became infected. Ten days before this he had unprotected sexual intercourse with a casual female friend in Ibiza. He had extensive atopic eczema during childhood, which is well controlled now but has been getting hay fever for the past few years.

Examination revealed symmetrical pustular eruptions on the hands, wrists, forearms, lower legs and chest, and a few vesicular eruptions on the hands typical of herpes. He also had multiple superficial penile ulcers. Auxillary and inguinal lymph nodes were enlarged. There was also evidence of generalised eczema.

Herpes simplex was isolated from the penile ulcers. Screening for other STIs and HIV was negative. He was treated with aciclovir 200 mg five times a day for 5 days (with a similar episode that required treatment with aciclovir. Since then he has been seen on two occasions with recurrence in the past year, but the attacks were more localised to his hands and external genitalia (fig 1).

Eczema herpeticum is classically a disseminated herpes simplex infection of the skin occurring in patients with pre-existing active dermatitis. The rash may develop from minor transient disease to a fulminating fatal disorder involving the visceral organs.1,2 The severity appears to be unrelated to the extent of eczematous lesions. Active dermatitis is not necessary for the development of recurrent eczema herpeticum.

Atopic dermatitis typically begins in early infancy, and individuals with this disease frequently develop other atopic manifestations later in life such as hay fever, allergic rhinitis, and bronchial asthma.3 Eczema herpeticum has also been associated with seborrheic dermatitis, neurodermatitis, Darier’s disease, pemphigus, mycosis fungoides, Wiskott–Aldrich disease, congenital ichthyosiform erythroderma,1,4 and second degree burns.5,6

The presentation in our patient is fairly typical, lesions appearing in crops initially as tiny vesicles passing through pustular and crusted phases associated with systemic symptoms. This condition is often misdiagnosed because the lesions are usually scratched and blistering is lost leaving raw punched out areas often with secondary infection. Diagnosis is based on patient history of atopic disease, presence of vesicular lesions, the striking tendency for the lesions to return to the same areas of the skin, and a positive result of viral culture for herpes simplex.

Eczema herpeticum is now being seen with increasing frequency in adults and herpes simplex infection should be considered in the differential diagnosis of vesicular skin lesions occurring in atopic patients.

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Poolling urine samples for PCR screening of C trachomatis urogenital infection in women

EDITOR,—Selective or universal screening for Chlamydia trachomatis infections has been suggested by the World Health Organization as a primary prevention strategy.1,2 The improved sensitivity of the nucleic acid amplification assays for the detection of C trachomatis allows the use of urine samples, suitable for screening programmes. However, these commercial assays are expensive, which make them disadvantageous for this purpose.

Therefore, some authors have recently evaluated the accuracy and cost saving of different urine pooling strategies using polymerase chain reaction (PCR) and ligase chain reaction (LCR) tests for the screening for genital C trachomatis infections, reporting very encouraging results.3 As the pooling strategies need individual retesting of each component of a positive pool, in order to identify the positive samples the cost saving inherent to these strategies and pool size dependent. For this reason, pooling may be particularly suitable when applied to low prevalence populations. On the other hand, a high number of urine samples per pool may yield a decreased sensitivity because of the dilution effect associated with pooling. Peeling et al and Kacena et al have put forward a mathematical formula to estimate the number of pools that are likely to be positive given a selected pool size and population disease prevalence.4,5 Thus, it is possible to estimate the reduction on the number of tests required for a pooling strategy compared with individual testing.

The objective of this study was to evaluate a pooling urine samples strategy for screening urogenital chlamydial infection by PCR testing.6 In all, 330 processed first catch urine samples (FCU) from women attending general practice clinics in Lisbon (from August 1999 to February 2000) were pooled by five into 66 pools. Pools and individual specimens were simultaneously tested using the Amplicor PCR test, according to the manufacturer’s

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The main reason for this minor difference is that the formula does not take into account the inhibited and equivocal results requiring further sample testing. Despite the low number of studies concerning urine pooling strategies, the results obtained so far suggest that pooling FCU samples can be useful for epidemiological studies and for screening programmes.

This study was supported by the “Comissão de Fomento da Investigação em Cuidados de Saúde do Ministério da Saúde, Project 20/98” and by the “Instituto Nacional de Saúde”.


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Emergence of high level ciprofloxacin resistant Neisseria gonorrhoeae strain in Buenos Aires, Argentina

EDITOR,—The surveillance programme of Neisseria gonorrhoeae (NG) antimicrobial susceptibility patterns was implemented in 1980 in the National Reference Centre for STI (NRC).

Twenty nine peripheral STI laboratories belonging to the National Network of Argentina, distributed throughout the country, routinely send isolates to the NRC for typing, susceptibility testing, and plasmid characterisation.

The NRC was incorporated into the WHO Gonococcal Antimicrobial Susceptibility Surveillance System in 1993 and since then the methodology has been standardised.

From January 1993 to June 2000, the NRC determined the MICs of 1194 NG strains by the agar dilution method with the media, conditions, and controls as recommended by the NCCLS.1 Ciprofloxacin range, MIC90 and MIC50 were 0.002-16 and 0.004, and 0.016 µg/ml, respectively.

Only one NG strain, detected in 1996, showed a decrease susceptibility to ciprofloxacin. The isolate was submitted by a public hospital from Buenos Aires city. The strain was β-lactamase negative, inhibited by nitrocefin disc and the MICs were penicillin 0.5 µg/ml, tetracycline 4 µg/ml, ciprofloxacin 0.125 µg/ml, spectinomycin 32 µg/ml, ceftriaxone 0.004 µg/ml, and azithromycin 0.25 µg/ml. The auxotype/serogroup class1 was proline requiring/WII-III.

In May 2000 the first NG strain with high level quinolone resistance (QRNG) was isolated. This strain was isolated in a private medical centre in Buenos Aires city and was submitted to the NRC; no inhibition zone was observed with a 5 µg ciprofloxacin disc.

CASE REPORT

The patient was a heterosexual man, aged 34 years, married, not a drug user, and he hadn’t travelled abroad during the past year. However, he admitted to having sexual intercourse with a commercial sex worker 4 days before the onset of the symptoms. He presented with a purulent acute urethritis with dysuria and was treated with a parenteral dose of ceftriaxone 500 mg and a week’s course of doxycycline. The patient became asymptomatic 36 hours after the start of the treatment. Serological tests for VDRL, HIV, and hepatitis B and C were negative.

The strain was β-lactamase negative and exhibited high level ciprofloxacin resistance (MIC 16 µg/ml) and low level tetracycline resistance (MIC 4 µg/ml) and was susceptible to the other antibiotics assayed. The MICs were penicillin 1 µg/ml, spectinomycin 32 µg/ml, ceftriaxone 0.004 µg/ml, and azithromycin 0.25 µg/ml. Phenotyping demonstrated a proline requiring auxotype and a WII-III serotype.

Both NG strains mentioned above displayed the same phenotypic characteristics: MICs (except for ciprofloxacin), auxotype, and serogroup.

Pulse field gel electrophoresis (PFGE) was performed withNheI and SpeI. There was no relation between the PFGE patterns of the two strains and neither showed genomic similarities to four other ciprofloxacin susceptible NG isolates belonging to the auxotype/serogroup class Pro/WII-III isolated in Buenos Aires at the same time.

The epidemiological data and laboratory characterisation of this high level quinolone resistant strain suggest it might have a foreign origin.

According to the literature reviewed no QRNG strain with high level quinolone resistance was reported in Latin-American countries. We report here what we believe to be the first isolation of a strain with high level resistance to ciprofloxacin in Argentina.

Owing to the large scale use of quinolones in our country, where antibiotic use is difficult to control, a substantial increase of QRNG might be expected in the near future. If dissemination occurs, current first line therapy, a single 500 mg dose of ciprofloxacin, should be reviewed.2

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Dorsal perforation of prepuce due to locally erosive condyloma acuminata

EDITOR,—We recently reported five patients with sexually non-sexually transmitted ulcerative diseases complicated by perforation on the dorsal surface of the prepuce. We could find reports of only three similar cases in the indexed literature. During screening of our STD clinic files we found record of another patient with dorsal perforation of the prepuce; however, it was not due to genital ulcer disease, but to condylomatous acuminata. This patient, a 22 year old man had unprotected sexual intercourse with a commercial sex worker about 6 months before reporting to our STD clinic in January 1994. About 1 month after sexual contact, he...
developed small papular lesions on the glans penis. Lesions enlarged rapidly and started eroding the undersurface of the prepuce. Finally, 3 months later, the prepuce was perforated. Examination revealed a large, circu-
lar defect on the dorsal aspect of the prepuce through which multiple papulonodular, wart-like lesions were visible (fig 1). Wart-like lesions were also visible all around the prepuce (which was difficult), the whole glans penis, corona, and frenulum and undersurface of the prepuce were studded with multiple warts varying in size from 2 mm to 1.5 cm. The surface of the lesions was verrucous. Histopathological examination of one of the wart-like lesions showed features consistent with condyloma acuminatum. Serology for HIV and syphilis were negative.

In our earlier report all patients with dorsal preputial perforation had ulcerative diseases involving genitalia. Maite and Hay1 earlier reported a patient with genital warts treated with topical podophyllin, who presented later with perforation of the dorsal surface of prepuce. They considered it as delayed podophyllin damage. Our patient had not been treated before with podophyllin. The identical presentation in our and the reported patient suggests that warts themselves and not podophyllin are responsible for perforation. Condylomas particularly in immunocompromised individuals may attain a very large size and rarely become locally invasive and destructive.1 In our patient, however, condylomas were not very large and there was no evidence of immunosuppression.

Our patient had condylomas all over the glans, but perforation took place only on the dorsum of the prepuce, confirming that this site is more susceptible to this complication.

Incidentally, two more patients with perforation on the dorsal surface of the prepuce as a complication of chancre and genital herpes have been depicted in A colour atlas of AIDS in the tropics.1 Both patients were HIV seropositive. This suggests that this complication is not uncommon (though underre-
ported), more so in tropics. HIV infection by altering the course and severity of genital lesions of sexually transmitted diseases prob-
ably makes this complication more frequent. Out of the 10 patients reported/published, half were HIV seropositive.

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2 Maite H, Hay KR. Mystery of the holey prepuce-delayed podophyllin damage? Genitin 


Urine proves a poor specimen for culture of Trichomonas vaginalis in women

EDITOR,—Trichomonas vaginalis infection occurs worldwide with an incidence of over 200 million infections per year.1 Clinical disease in women ranges from asymptomatic to severe vaginitis, and has been associated with preterm delivery2 and an increased rate of HIV-1 transmission.3

The magnetic attraction of T. vaginalis associated morbidity, including risk of HIV-1 transmission, makes simple accurate diagnosis impor-
tant especially in at-risk populations. Micro-
scopic examination of a wet mount vaginal swab is easy to perform but only identifies 40–60% of infections in compar-
sion to culture. The In-pouch culture system (Biomed Inc, San Jose, CA, USA) is reported to be equally sensitive yet more practical than traditional culture methods.4 If proved sensi-
tive, culturing of urine from female patients for T. vaginalis might prove useful in popula-
tion based screening programmes, field inves-
tigations, or individual circumstances when a patient might not want a genital examination. Therefore, we set out to determine the sensi-
tivity of culturing urine from women in com-
parison with a self collected vaginal swab for identification of T. vaginalis.

We recruited subjects from a randomised community study that investigated the preva-
ience of sexually transmitted infections in women with and without access to female condoms.1 In this particular substudy we obtained specimens from participants in two study sites. Participants were instructed by one of the study nurses how to obtain a self collected vaginal swab and at the same time collect urine with condyloma acuminatum. Serology for T. vaginalis might prove useful in population based screening programmes, field investigations, or individual circumstances when a patient might not want a genital examination. Therefore, we set out to determine the sensitivity of culturing urine from women in comparison with a self collected vaginal swab for identification of T. vaginalis.

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risk factors for HIV-1 transmission in women: result from a cohort study. AIDS 1997;11:95–102.

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Guidelines for serological testing for syphilis

EDITOR.—In our area the high HIV prevalence has made the interpretation of syphilis tests particularly problematic. Coinfected patients do appear to reactivate their treponemal infection or possibly reinfection with a different “strain” in the presence of profound immunosuppression. As with other syphilis tests PGM can persist for several years with peaks and troughs. Non-treponemal tests are uniformly negative while TPHA levels can fluctuate widely. It is perhaps unfortunate that reference laboratories may have developed their algorithms in the face of conventional syphilis diagnosis—these do little to help with HIV coinfected patients.

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Sexually transmitted infections and risk behaviours in women who have sex with women

EDITOR.—While it is comforting that some research is finally being carried out in depth on the risk of STIs among women who have sex with women (WSW),1 any conclusions about STIs among women who have sex with women (WSW) as the control group were current sex workers, 38% of the WSW had had a history of vaginalis culture system.


It is 6 years since the first edition of this book and the expansion in knowledge about lower genital tract precancer reflected in the addition of an assistant and a contributing author, as well as an increase in the number of pages (from 254 in the first edition to 323 in the present one).

The extra input and space has been used to maximal effect with the book losing none of its attractions of appearance, content, and even texture by its use of high quality paper.

I would have preferred chapter 5 (Cytology and screening for cervical precancer) to follow chapter 2 (HPV in the pathogenesis of lower genital tract neoplasia) and then the more practical aspects of colposcopy itself would not be interrupted. This is a small criticism of an otherwise comprehensive and logical content.

The chapter on the management of cervical precancer is a delight to read and see, with the section devoted to HIV positive women reflecting most shades of reliable opinion in this developing field. HIV is again included in the chapter on VIN.

GU colposcopy will remain of use in the initial stages of treatment. Diagnosis of lower genital tract neoplasia is easy to come by with the line drawings used to very good effect. The overwhelming book critic might then make a quibble with some of the statements of management of the infections noted (cervical warts do not even merit a mention of treatment) but that is not the remit of the book.

The illustrations are good quality and the line drawings used to very good effect. The overassiduous book critic might then make a quibble with some of the statements of management of the infections noted (cervical warts do not even merit a mention of treatment) but that is not the remit of the book.

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BOOK REVIEWS


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gent quality control and legal standards, has become a life saving device. The chapter on latex condom manufacture was fascinating and gives almost enough detail to allow you to try it at home!

Each year 8–10 billion condoms are used worldwide although an estimated 15 billion are required to protect adequately against HIV/STDs. The chapter outlining the effectiveness of condoms in preventing STIs was clearly set out with an excellent summary table outlining data and references. There was a fascinating chapter on how the commercial sector has risen to the challenge of global condom distribution through social marketing. By using pre-existing infrastructures, supplies to Africa have increased from 45.8 million in 1987 to 264.5 million in 1990. In Thailand by targeting commercial sex workers through “the 100% condom programme” usage rates have increased from 14% in 1982–9 to 93% in 1993 with STI cases in government clinics dropping from 237 000 to 39 000. In the chapter on condoms and commercial sex there was a fabulously table summing different condom usage rates by CSWs in developing countries.

The condom should probably receive more credit as a contraceptive device. Failure rates diminish with increasing experience and it may be a sensible long term option for some women when combined with knowledge of fertile days and progesterone only emergency contraception. There were interesting discussions on the use of condoms for anal sex, the pros and cons of non-latex condoms, female condoms (becoming increasingly popular, especially in Zimbabwe), and recent developments in spermicides and viricides.

In summary, condoms are highly effective, cheap, and largely free of side effects. This book left me with a renewed belief that they should be promoted at every opportunity and dealt with the pictures are.

Improvements for the next edition might include updating the references with Medline abstracts (for example, offering searches for other works on the subject of interest or finding works which cite the article in question), and including more video material such as interviews with key players in the field.

On a deeper level, such an international approach to teaching HIV/AIDS fits well with the emphasis of the recent international AIDS conference on the whole HIV epidemic, not just the treatment options open to those affected by HIV in resource-rich countries. The sections on treatment reflecting mainly resource-rich work are somewhat uneasy with the pictures of AIDS orphans and underfunded African hospitals. That this CD-ROM left me feeling uncomfortable about the structural inequity of the world is testament to the vision of its creators.

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CD-ROM REVIEW

Topics in International Health: HIV/AIDS. £30 for individuals, £20 or £45 for institutions in developing countries, and £120 for “first world” institutions, post inclusive with a 30 day money back guarantee. CD-ROMs are not Apple Mac compatible. Oxon: CABI Publishing, 2000.

So the clinic’s not going well—you’ve too many patients and four students have all rolled up at once. Trouble is, they are all百忙百忙. There’s no time to tell them everything. So the clinic’s not going well—you’ve too many patients and four students have all rolled up at once. Trouble is, they are all 80

NOTICES

International Herpes Alliance and International Herpes Management Forum

The International Herpes Alliance has introduced a website (www.herpesalliance.org) which from can be downloaded patient information leaflets. Its sister organisation the International Herpes Management Forum (website: www.IHMFM.org) has launched new guidelines on the management of herpesvirus infections in pregnancy at the 9th International Congress on Infectious Disease (ICID) in Buenos Aires.

Pan-American Health Organization, regional office of the World Health Organization

A catalogue of publications is available online (www.paho.org). The monthly journal of PAHO, the Pan American Journal of Public Health, is also available (subscriptions: pubsvc@asp.sip.sheridan.com).

International Symposium on Disorders of the Prostate, 21–23 March 2001, Castres, France

Further details: Dr Mike Briley, Scientific Director, Pierre Fabre Medicament, Parc Industriel de la Chartreuse, F-81106 Castres Cedex, France (tel: +33 563 714 501; fax: +33 563 725; email: briley@pierre-fabre.imagenet.fr).

Call for papers—6th European Forum on Quality Improvement in Health Care, 29–31 March 2001, Bologna, Italy

Further details: BMA/BMJ Conference Unit, BMA House, Tavistock Square, London WC1H 9JP, UK (tel: +44 (0) 20 7383 6409; fax: +44 (0) 20 7383 6869; email: quality@bma.org.uk; website: www.quality.bmj.com).

Joachim Kuhlmann AIDS award 2001

The Joachim Kuhlmann AIDS Foundation, Essen, Germany, is awarding the above mentioned prize to investigators in the field of clinical and scientific HIV work. The prize is valued at 50 000 DM. Papers that have been published in 2000 or are accepted for publication can be submitted to the foundation anonymous review. The submitted papers must be received by 31 March 2001. The award will be presented to the winner as part of the 8th German AIDS Congress in Berlin.

Submissions should contain seven copies of the paper and should be send to: Joachim Kuhlmann AIDS Foundation, Bismarckstrasse 55, 45128 Essen, Germany.

Each of the submitted papers should contain a running title and may not indicate the names of the authors. An additional envelope should contain the running title on the outside and information in the inside as follows: first name, last name, date of birth, address, professional position, as well as the running title and the complete title of the submitted paper.

6th European Conference on Experimental AIDS Research (ECEAR), 23–26 June 2001, Heriot-Watt University, Edinburgh, UK

Further details: ECEAR 2001 Conference Secretary, Division of Retrovirology, NIBSC, Blanche Lane, South Mimms, Potters Bar, Herts, EN6 3QG, UK.

International Congress of Sexually Transmitted Infections, 24–27 June 2001, Berlin, Germany

Further details: Congress Partner GmbH, Krausenstrasse 63, D-10117, Berlin, Germany (tel: +49-30-204 500 41; fax: +49-30-204 500 42; email: berlin@cpb.de).

10th International Congress on Behcet’s Disease will be held in Berlin 27–29 June 2002

Further details: Professor Ch Zouboulis (email: zoubbere@zedat.fu-berlin.de).

20th World Congress of Dermatology, Paris, 1–5 July 2002

Further details: P Fournier, Colloquium, 12 rue de la Croix St Faubin, 75011 Paris, France (tel: +33 1 44 64 15 15; fax: +33 1 44 64 15 16; email: p.fournier@colloquium.fr; website: www.derm-wcd-2002.com).