Labial adhesions following severe primary genital herpes

Editor,—Labial adhesions following genital herpes infection have been described previously.1,2 To prevent their development various suggestions such as the use of early aciclovir,3 paraffin gauze,4 and saline bathing5 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 new herpetic lesions (fig 1). She was prescribed oral valaciclovir, metronidazole, and lignocaine gel, and oral antivirals 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. 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 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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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. Funduscopcopy 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 carinii pneumonia plus Molluscum contagiosum of the skin. In view of the patient’s clinical findings, additional therapy was commenced with anticytomegalovirus (CMV) and anticytostoccal 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. 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.
Disseminated cryptococcal infection has a >80% mortality when associated with respiratory failure.1 Cutaneous lesions occur in 5–10% of cases.2 These include subcutaneous nodules, ulcers, and cellulitis. These may mimic pyoderma gangrenosum, Kaposi’s sarcoma, and Molluscum contagiosum. Clinically, cryptococcal disease may be distinguished from Molluscum contagiosum by a more acute onset of numerous papules, which often have a central haemorrhagic crust.2

Our patient was unwell and had skin lesions that were too extensive for simple Molluscum contagiosum individuals and should be considered in the differential diagnosis. CMV would be unlikely to produce such acute systemic illness by itself. Hence, cryptococcal disease was a reasonable working diagnosis that required urgent treatment. A recent report has highlighted diagnostic delay as a major factor contributing to its high associated mortality.3 The CROAG test provides a rapid method of confirming the diagnosis of cryptococcosis. It will be positive in blood in infected individuals in up to 95% of cases. The result can then be verified on culture of suitable body fluids.

We report an early consideration of disseminated cryptococcosis in HIV positive patients with respiratory features suggestive of pneumonia or pleural effusion and atypical skin lesions. The use of rapid diagnostic tests may help to improve the poor outcome in this patient population.

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Recurrence eczema herpeticum: an underrecognised condition

EDITOR,—We present a case of eczema herpeticum to highlight that herpes simplex can cause generalised infection in atopic individuals and should be considered in the differential diagnosis.

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 more localised 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. Axillary 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 very good response. Two months later he presented to a local doctor 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 disease can develop from minor transient disease to a fulminating fatal disorder involving the viscera organs.4,5 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.6 Eczema herpeticum has also been associated with seborrhoeic dermatitis, neurodermatitis, Darier’s disease, pemphigus, mycosis fungoides, Wiskott–Aldrich disease, congenital ichthyosiform erythroderma,7 and second degree burns.8

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 lesion, 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.
**Table 1** Distribution of positive samples

<table>
<thead>
<tr>
<th>+/+ Pools</th>
<th>Equivocal pools</th>
<th>−/+ Pools</th>
<th>−/− Pools</th>
</tr>
</thead>
<tbody>
<tr>
<td>(12)</td>
<td>(4)</td>
<td>(50)</td>
<td></td>
</tr>
</tbody>
</table>

*Confirmed as positive pools.

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 their isolates to the NRC for typing, susceptibility testing, and plasmid characterisation.

The NRC was incorporated into the WHO Gonococcal Antimicrobial Susceptibility Programme (GASP) for the Americas and Europe in 1995. 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. Ciprofloxacin, amoxicillin, and ceftriaxone were 0.002–16, 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 by nitrocefin discs 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 class 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 had 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 0.5 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.

Dorsal perforation of prepuce due to locally erosive condylomata 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 condylomata 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...
Lesions were also visible all around the prepuce, through which multiple papulonodular, verrucous defect on the dorsal aspect of the prepuce perforated. Examination revealed a large, circular ulcer on the dorsal surface of the prepuce. Finally, 3 months later, the prepuce was perforated. Lesions enlarged rapidly and started developing small papular lesions on the glans penis. Lesions enlarged rapidly and started evolving slowly around the glans, but perforation took place only on the prepuce. 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 warty lesions showed features consistent with condyloma acuminatum. Serology for HIV and syphilis was carried out.

In our earlier report all patients with dorsal preputial perforation had ulcerative diseases involving genitalia. Maite and Hayy 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 patient 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.

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. Both patients were HIV seropositive. This suggests that this complication is not uncommon (though underreported), more so in tropics. HIV infection by altering the course and severity of genital lesions of sexually transmitted diseases probably makes this complication more frequent. Out of the 10 patients reported/published, half were HIV seropositive.

Table 1 Comparison of culture for T vaginalis from centrifuged urine and self collected vaginal swab in 675 women

<table>
<thead>
<tr>
<th>T vaginalis urine culture</th>
<th>Negative</th>
<th>Positive</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>T vaginalis self administered vaginal swab</td>
<td>552</td>
<td>2</td>
<td>554</td>
</tr>
<tr>
<td>Positive</td>
<td>100</td>
<td>21</td>
<td>121</td>
</tr>
<tr>
<td>Total</td>
<td>652</td>
<td>23</td>
<td>675</td>
</tr>
</tbody>
</table>

Kappa = 0.256

Insensitive for identification of trichomonads in women. Since only 5–10 organisms in a sample are necessary for a positive culture, these findings were expected. We cannot fully explain what culture of urine for T vaginalis in women proved so poor. Because of contamination of the external genitalia with vaginal fluid, a first void urine specimen might have proved a better sample.

Supported by the United States Agency for International Development, Family Health International and a grant from the National Institutes of Health (AI11445). Biomed Inc donated the In-pouch for this investigation.

Contributors: OAM helped design and oversee the study, assisted with analysis of the data, and drafted the manuscript. CJC designed the study protocol, analysed the data, and supervised preparation of the manuscript. DK assisted with the design and supervision of the study, and assisted with manuscript preparation; JO performed the laboratory aspects of the study, was co-principal investigator of the parent study, and assisted with manuscript preparation. MW was a co-investigator of the parent study, and assisted with manuscript preparation; JFB oversaw the laboratory aspects of the study, and supervised preparation; PFJ was the principal investigator of the parent study and assisted with manuscript preparation.

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It is 6 years since the first edition of this book and the expansion in knowledge about lower genital tract precancer expected 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.

The addition of human papilloma virus in lower genital tract neoplasia makes the book more rounded. This chapter is comprehensive as well as excellently presented and very up to date. I appreciated the section on the role of oncogenic HPV detection in the prevention of lower genital tract precancer, although this naturally concerned CIN rather than VIN or VaIN.

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 be particularly interested in the final chapters on infective conditions causing confusion in diagnosis of lower genital tract precancer. It is easy to 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 gorgeous thorough and the line drawing contributed to very good effect. The overridulous book critic might mention the data left on some colposcopic photographs, the venerable laser machine showed on page 171 and whether the speculum is correctly placed on page 36, but not me. This is a “must buy.” It’s a big book (in size, content, and price) which should form the nucleus of the colposcopist’s library.

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I liked this book. An alternative title could be “An evidence based review of prevention, diagnosis, and treatment of congenital and perinatal infection.” The editors, both recognised experts in perinatal infection, persuaded an international panel to provide up to date reviews of particular perinatal infections with key references up to 1999/2000. Despite clearly a short production time an inevitable weakness is that new data have become available after going to press. To keep costs down there are few illustrations and a lot of text. However, tables are widely used and the text is well broken up. One third of the book is devoted to references, so all the text is strongly evidence based, and statements are not based on authors’ opinion but on published literature.

There is an excellent introduction on the interaction between pregnancy and infection and a thorough discussion on maternal infections and their consequences. This section ends with a review of the pitfalls and benefits of screening for antenatal infections including an excellent summary of the potential biases involved in setting up and evaluating screening programmes.

The second section is a traditional whiz through the standard common infections in pregnancy. Highlights include Malm’s excellent chapter on herpes simplex infection, and Mandelbrot and Newell’s thorough review of vertical transmission of hepatitis viruses. I was disappointed to see no detailed discussion of HIV infection or a more detailed review of the role of perinatal infections in cerebral palsy.

Two other criticisms could be a relative lack of assessments of cost effectiveness of screening programmes already in place and for the future. The introduction of new screening programmes and the retention of existing screening programmes—for example, syphilis and rubella, need to be increasingly driven by cost-benefit analysis. It would also be interesting to have had some speculation about why different infections have such different vertical transmission rates and have their impact at different stages of pregnancy.

Overall, the strength of this book lies in its literature reviews. It is an extremely good summary of where we are with perinatal infections in the year 2000. Who will find it useful? It is a postgraduate text, too detailed for undergraduates. It should be compulsory reading for obstetricians in training. I would recommend it to perinatologists, obstetricians and genitourinary physicians. It is a practical text with dosages, immunisation schedules, and treatment algorithms. It is reasonably priced. There are larger textbooks on perinatal infections costing £200, so this fills a gap in the market. Buy it and you won’t be disappointed.

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Considering we inquire about or promote the use of condoms with each and every patient we see in GU/HIV clinics, it’s extraordinary how little we know about them. “Penis protectors” have come a long way since they were used in battle, cast to size, and made from goat bladder, although “natural” condoms can still be obtained today from the caeca of New Zealand lambs. Thanks to Charles Goodyear, the birth control movement, and the HIV epidemic the condom has enjoyed a renaissance and with more strin-
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 belligerent, demanding forms, and hanging around the corridor is not going to be great for departmental kudos in the medical school teaching staks. CD-Roms are now the standard fall back for a loose half hour—and this one is definitely the way to get top ratings. It is superbly designed with a host of easy features. Technically there were no problems with installation, and the package ran happily on a Pentium 100 with limited memory, which is welcome when the latest PCs remain out of reach to most in the NHS or in resource-poor countries.

The CD-Rom covers the whole of HIV/AIDS from testing through opportunist disease to the psychosocial and communicable impact of the unfolding epidemic. The well crafted material is grouped into 11 tutorials with 50-odd pages each, broken up with well designed interactive exercises to aid factual recall, such as matching HIV prevalence to world region by dragging numbers across a map. In the best educational fashion, wrong answers are met with a gentle reminder of the right answer and an offer to review the section again. A glossary is just a click away should a word be unclear, and a full reference list is hidden on each page for those wanting to explore more. A separate section allows incredibly flexible searching of a rich international collection of over 700 images by keyword or text. These can then be viewed as thumbnails for rapid review, tagged for later printing, or saved in a personalised teaching set. Sneaking the illustrations onto my own desktop is relatively easy, and gives almost enough detail to allow you to use the pictures are.

Improvements for the next edition might include grouping 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 resources which are not easily related 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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NOTICES

International Herpes Alliance and International Herpes Management Forum

The International Herpes Alliance has introduced a website (www.herpesalliance.org) from which can be downloaded patient information leaflets. Its sister organisation the International Herpes Management Forum (website: www.IHMF.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: pubs@sp@sp@sh@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.image.net).

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 6606; 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 for 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 sent 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.

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 Zoumboulis (email: zoubbere@zedat.fu-berlin.de).

20th World Congress of Dermatology, Paris, 1-5 July 2002
Further details: F Pournier, 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.pournier@colloquium.fr; website: www.derm-wcd-2002.com).