

# GENITOURINARY MEDICINE

Editor: A Mindel

President MSSVD: M Waugh

Hon Sec MSSVD: M Godley

Assistant Editor: C A Carne

Assistant Editor, Abstracts: G R Scott

G Bird  
L Corey  
R A Coutinho  
B A Evans  
S M Forster  
D J Jeffries  
F Judson  
C J N Lacey

J M A Lange  
A G Lawrence  
A Méheus  
R S Pattman  
R Piot  
M Stanley  
D Taylor-Robinson  
I V D Weller

L Weström  
H Young  
A J Zuckerman  
H zur Hausen

Editor  
British Medical Journal

Technical Editor: Kenneth Till

This *Journal*, founded by the Medical Society for the Study of the Venereal Diseases, publishes original work on the investigation and treatment of genitourinary and allied disorders, and review articles, correspondence, and abstracts.

**Advice to authors** Papers for publication, which will be accepted on the understanding that they have not been and will not be published elsewhere and are subject to editorial revision, should be sent in duplicate to Dr A Mindel, Academic Department of Genitourinary Medicine, James Pringle House, Middlesex Hospital, London W1N 8AA. All authors must give signed consent to publication. The editor should be notified of any change of address of the corresponding author. Manuscripts will only be acknowledged if a stamped addressed postcard or international reply coupon is enclosed. Rejected papers will not be returned. Figures will be returned if requested at the time of submission.

Full details of requirements for manuscripts in the Vancouver style (*Br Med J* 1982;284:1766-70) are given in *Uniform requirements for manuscripts submitted to biomedical journals*, available from the Publishing Manager, *British Medical Journal*, BMA House (50p post free). Briefly details are as follows:

(1) *Scripts (including correspondence and book reviews)* must be typewritten on one side of the paper in double spacing with ample margins. Two copies should be sent.

(2) *Each script* should include, in the following order: a brief summary (structured summaries are preferred), typed on a separate sheet, outlining the main observations and conclusions; the text divided into appropriate sections; acknowledgements; references; tables, each on a separate sheet; and legends for illustrations.

(3) *The title of the paper* should be as brief as possible.

(4) *The number of authors* should be kept to the minimum, and only their initials and family names used.

(5) *Only the institution(s)* where work was done by each author should be stated.

(6) *SI units* must be used. If old fashioned units are used, SI units should be given in parentheses or, for tables and figures, a conversion factor given as a footnote.

(7) *Only recognised abbreviations* should be used.

(8) *Acknowledgements* should be limited to workers whose courtesy or help extended beyond their paid work, and supporting organisations.

(9) *Figures* should be numbered in the order in which they are first mentioned, referred to in the text, and provided with captions typed on a separate sheet. (*Diagrams*: use thick, white paper and insert lettering lightly in pencil. *Photographs*: should be marked lightly on the back with the author's name and indicating the top, and should not be attached by paper clips or pins. They should be trimmed to include only the relevant section (and will be reproduced 68 or 145 mm wide) to eliminate the need for reduction. Photomicrographs must have internal scale markers. Radiographs should be submitted as photographic prints, carefully prepared so that they bring out the exact point to be illustrated.

(10) *Tables* should be numbered, have titles, and be typed on separate sheets. Please avoid large tables and use the format which appears in current issues.

(11) *References* should be numbered consecutively the first time they are cited and identified by arabic numbers in the text,

and legends to figures. Authors must take full responsibility for the accuracy of their references, and the list should be kept as short as practicable. It should be in the order in which references are first mentioned, and should include (in the following order), *journals*: author's name and initials, title of paper, name of journal (in full or abbreviated according to the list in *Index Medicus*), year of publication, volume number, and first and last page numbers; *books*: author's name and initials, full title, edition, place of publication, publisher, and year of publication. When a chapter in a book is referred to, the name and initials of the author of the chapter, title of the chapter, "In:", name and initials of the editor, and "ed" should precede book title, etc as above. In references to journals or books, when there are seven or more authors the names of the first three should be given followed by "et al." Names of journals no longer published should be given in full — for example, *British Journal of Venereal Diseases*.

**Proofs** Contributors receive one proof, and should read it carefully for printers' errors and check the tables, figures, legends, and any numerical, mathematical, or other scientific expressions. Alterations should be kept to a minimum.

**Reprints** A limited number of reprints may be ordered from the Publishing Manager when the proofs are returned.

**Notice to Subscribers** This Journal is published bi-monthly. The annual subscription rates are £80.00 inland, £92.00 overseas, and \$147 in the USA. Subscribers may pay for their subscriptions by Access, Visa, or American Express by quoting on their orders the credit or charge card preferred, the appropriate personal account number, and the expiry date of the card. Orders should be sent to the Subscriptions Manager, *Genitourinary Medicine*, BMA House, Tavistock Square, London WC1H 9JR. Orders can also be placed locally through any leading subscription agent or bookseller. (For the convenience of readers in the USA, subscription orders, with or without payment, can be sent to: *British Medical Journal*, Box 560B, Kennebunkport, Maine 04046. All inquiries, however, including those regarding air mail rates and single copies already published, should be addressed to the publisher in London.)

Second class postage paid, Rahway NJ Postmaster. Send address changes to: *Genitourinary Medicine* c/o Mercury Airfreight International Ltd Inc, 2323 Randolph Avenue, Avenel, NJ 07001, USA.

**Notice to advertisers** Applications for advertisement space and for rates should be addressed to the Advertisement Manager, *Genitourinary Medicine*, BMA House, Tavistock Square, London WC1H 9JR.

**Copyright** © 1990 by *Genitourinary Medicine*. This publication is copyright under the Berne Convention and the International Copyright Convention. All rights reserved. Apart from any relaxations permitted under national copyright laws, no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means without the prior permission of the copyright owners. Permission is not, however, required to copy abstracts of papers or of articles on condition that a full reference to the source is shown. Multiple copying of the contents of the publication without permission is always illegal.

at the same time it manages to appraise critically, albeit briefly, much of the important modern literature on the disease.

For anyone interested in herpes this is a treasure house of information all of it illuminated or analysed by the author whose great interest in, and knowledge of the subject shines out on every page.

To take a specific example of this style, the problems of viral latency and the possible role of the virus in carcinoma of the cervix are poorly understood and extremely complex issues. Both are here neatly despatched in seven pages of lucid prose with 110 well chosen references all of which are "used" without obscuring the message in any way.

Epidemiology is similarly treated, a vast amount of material being considered in eight pages and with 97 references.

Herpetic infections of what the author terms "locally defined sites" (oral cavity, lips, genitals, hand and eye) are well described from a clinical viewpoint though whilst the full scope of eye disease for example is covered, the detail is of necessity very brief; nevertheless the references to important and up to date work are all there. The black and white illustrations are well chosen and of high quality.

The section on disseminated infection contains another mass of information ranging from herpes in HIV infection, neurological disorders, atherosclerosis, and Bell's palsy to erythema multiforme and the dermatoses, attracting in all a mere 128 references.

Pathology and pathogenesis bring together a previously rather dispersed body of knowledge which is also subjected to brief critical analysis. The pathogenesis of eye and neonatal herpes are of particular interest (168 references).

Laboratory diagnosis of herpes is well covered and the plethora of ever more complex and expensive tests are well and truly sorted out. Few would disagree with his conclusion that though the future seems to offer many promising new methods of diagnosis, culture of the virus remains the "gold standard" today.

The final chapter deals with the topics of treatment, prevention and control. The problems of herpes in pregnancy and the management of delivery in the mother with recurrent disease are clearly outlined and the efficacy and practicality of the various measures which can be taken are described including the possible use of acyclovir in pregnancy. The position of vaccine prevention is discussed and

brought up to date.

Perhaps the biggest service that Dr Mindel has done is to bring together in the confines of a small and affordable volume a mass of widely scattered data and then to give us the benefit of his experience with herpetic disease in interpreting much of this material.

This is an excellent book which should be read by all physicians in genito-urinary medicine and anyone who has to deal with herpetic disease.

J K OATES

---

## NOTICE

---

### **International Symposium on Medical Virology.**

This will be held 4-6 October, 1990, at the Four Seasons Hotel, Newport Beach, California, USA.

For more information contact: Luis M de la Maza, MD, PhD, Department of Pathology, Route 19, University of California, Irvine, Medical Center, 101 City Drive, Orange, California 92668, USA.

---

## CURRENT PUBLICATIONS

---

Selected titles from recent reports published worldwide are arranged in the following sections:

### Genital warts

### Genital herpes

### Syphilis and other treponematoses

### Gonorrhoea

### Non-specific genital infection and related disorders (chlamydial infections)

### Non-specific genital infection and related disorders (mycoplasmal and ureaplasma infections)

### Non-specific genital infection and related disorders (general)

### Pelvic inflammatory disease

### Reiter's disease

### Trichomoniasis

### Candidiasis

### Other sexually transmitted diseases

### Public health and social aspects

### Miscellaneous

---

### Genital warts

---

#### Human papillomavirus: current concepts

EJ ANDROPHY (Boston, USA). *Arch Dermatol* 1989;125:683-8.

#### Pathogenesis and treatment of human genital papillomavirus infections: a review

RC REICHMAN, DG STRIKE (New York, USA). *Antiviral Res* 1989;11:109-18.

#### Papillomaviruses in human cancers

H ZUR HAUSEN (Heidelberg, Federal Republic of Germany). *Molecular Carcinogenesis* 1988;1:147-50.

#### Are sexually transmitted papilloma viruses exclusive, necessary and sufficient causative factors of genital organ invasive or insitu neoplasia?

G MATHE (Villejuif, France). *Biomed Pharmacother* 1989;43:153-6.

#### Human papillomavirus infection and cervical cancer in Latin America

WC REEVES, LA BRINTON, M GARCIA, et al (Miami, USA). *N Engl J Med* 1989;320:1437-41.

#### Human papillomavirus DNA in glandular dysplasia and microglandular hyperplasia—presumed precursors of adenocarcinoma of the uterine cervix

T TASE, T OGAGAKI, BA CLARK, LB TWIGGS, RS OSTROW, AJ FARAS (Minneapolis, USA). *Obstet Gynecol* 1989;73:1005-8.

#### Presence of human papillomavirus type-18 DNA in vulvar carcinomas and its integration into the cell genome

A VENUTI, ML MARCANTE (Rome, Italy). *J Gen Virol* 1989;70:1587-92.

#### Human papillomavirus DNA determination of anal condylomata, dysplasias, and squamous carcinomas with *in situ* hybridization

MA DUGGAN, VF BORAS, M INOUE, SE MCGREGOR, DI ROBERTSON (Calgary, Canada). *Am J Clin Pathol* 1989;92:16-21.

#### Human papillomavirus - 35 - positive Bowenoid papulosis of the anogenital area and concurrent human papillomavirus - 35 - positive verruca with Bowenoid dysplasia of the periungual area

R RÜDLINGER, R GROB, YX YU, UW SCHNYDER (Zurich, Switzerland). *Arch Dermatol* 1989;125:655-9.

#### Cervical intraepithelial neoplasia among women with papillomavirus infection compared to women with *Trichomonas* infection

CA BOYLE, DM LOWELL, JL KELSEY, VA LIVOLSI, KE BOYLE (Atlanta, USA). *Cancer* 1989;64:168-72.

#### Epidemiology of cervico-vaginal and vulvar lesions caused by human papillomavirus in HIV-seropositive women. Preliminary study on a series of 29 consecutive patients

P CAUBEL, H FOULQUES, J BLONDON, JP LEFRANC (Paris, France). *Presse Med* 1989;18:1239-42.

#### Immunosuppression in men with Bowenoid papulosis

SB FELDMAN, M SEXTON, JD GLENN, DP LOOKINGBILL (Hershey, USA). *Arch Dermatol* 1989;125:651-4.

#### Two newly identified human papillomavirus types (HPV 40 and 57) isolated from mucosal lesions

EM DE VILLIERS, A HIRSCH-BEHNAM, C VON KNEBEL-DOEBERITZ, C NEUMAN, H ZUR HAUSEN (Heidelberg, Federal Republic of Germany). *Virology* 1989;171:248-53.

#### Human papillomavirus type 31 infection of the uterine cervix in England

PE GIBSON, NF HALLAM, CJN LACEY, RIF McDERMOTT (London, England). *J Infection* 1989;18:265-8.

#### Sandwich hybridization in solution: a rapid method to screen HPV 16 DNA in cervical scrapes

S PARKKINEN, R MÄNTYJÄRVI, K SYRJÄNEN, A-C SYVÄNEN, M RANKI (Kuopio, Finland). *Molec Cell Probe* 1989;3:1-12.

#### Human papillomaviruses and the polymerase chain reaction

EDITORIAL. *Lancet* 1989;i:1051-2.

#### Increased frequency of detection of human papillomavirus deoxyribonucleic acid in exfoliated cells during pregnancy

RF RANDO, S LINDHEIM, L HASTY, TV SEDLACEK, M WOODLAND, C EDER (Philadelphia, USA). *Am J Obstet Gynecol* 1989;161:50-4.

#### Mechanism for human papillomavirus transmission at birth

TV SEDLACEK, S LINDHEIM, C EDER, et al. (Philadelphia, USA). *Am J Obstet Gynecol* 1989;161:55-9.

#### Local anaesthesia with a lidocaine/prilocaine cream (EMLA) for cautery of condylomata acuminata on the vulval mucosa. The effect of timing of application of the cream.

K LJUNGHALL, S LILLIEBORG (Vasteras, Sweden). *Acta Dermato-venereol* 1989;69:362-4.

#### Infectious papillomavirus in the vapor of warts treated with carbon dioxide laser or electrocoagulation: detection and protection

WS SAWCHUK, PJ WEBER, DR LOWY, LM DZUBOW (Bethesda, USA). *J Am Acad Dermatol* 1989;21:41-9.

---

### Genital herpes

---

#### A seroepidemiologic survey of the prevalence of herpes simplex virus type 2 infection in the United States

RE JOHNSON, AJ NAHMIA, LS MAGDER, FK LEE, CA BROOKS, CB SNOWDEN (Atlanta, USA). *N Engl J Med* 1989;321:7-12.

#### Amplification techniques for detection of herpes simplex virus in neonatal and maternal genital specimens obtained at delivery

AL WARFORD, JW CHUNG, AD DRILL, E STEINBERG (Hollywood, USA). *J Clin Microbiol* 1989;27:1324-8.

#### Development of clinically recognizable genital lesions among women previously identified as having "asymptomatic" herpes simplex virus type 2 infection

A LANGENBERG, J BENEDETTI, J JENKINS, R ASHLEY, C WINTER, L COREY (Seattle, USA). *Ann Intern Med* 1989;110:882-7.

### Transmission of genital herpes by donor insemination

DE MOORE, RL ASHLEY, PW ZARUTSKIE, RW COOMBS, MR SOULES, L COREY (Seattle, USA). *JAMA* 1989;261:3441-3.

### Oral acyclovir suppressive therapy in severe recurrent genital herpes

S KROON, CS PETERSEN, LP RASMUSSEN, BF VESTERGAARD (Copenhagen, Denmark). *Dan Med Bull* 1989;36:298-9.

---

## Syphilis

---

### Resurgence of heterosexually acquired early syphilis in London

A TANG, D BARLOW (London, England). *Lancet* 1989;ii:166.

### Human immunodeficiency virus infection and syphilis

N FIUMARA (Boston, USA). *J Am Acad Dermatol* 1989;21:141-2.

### Neurosyphilis and stroke in a patient with antibodies to the human immunodeficiency virus

SE REID, A ANZARUT (Vancouver, Canada). *Am J Med* 1989;87:119-20.

### The specificity of anti-cardiolipin antibodies from syphilis patients and from patients with systemic *Pupus erythematosus*

S MOURITSEN, M HOIERMADSEN, A WIJK, O ORUM, NS PEDERSEN (Copenhagen, Denmark). *Clin Exp Immunol* 1989;76:178-83.

### Ceftriaxone for the treatment of primary and secondary syphilis

H SCHÖFER, HJ VOGT, R MILBRANDT (Frankfurt, Federal Republic of Germany). *Chemotherapy* 1989;35:140-5.

---

## Gonorrhoea

---

### Specific *Neisseria gonorrhoeae* DNA-probes derived from ribosomal RNA

R ROSSAU, E VANMECHELEN, J DE LEY, H VAN HEUVERSWIJN (Zwijnaarde, Belgium). *J Gen Microbiol* 1989;135:1735-46.

### Isolation of a species-specific DNA probe for *Neisseria gonorrhoeae* using a novel technique particularly suitable for use with closely related species displaying high levels of DNA homology

JJ DONEGAN, A LO, A MANWELL, RN PICKEN, HL YANG (New York, USA). *Molec Cell Probe* 1989;3:13-26.

### Identification of *Neisseria gonorrhoeae* with the ORTHOProbe DNA probe test

AP KURITZA, SC EDBERG, C CHAPIS, P GALLO (New Haven, USA). *Diag Microbiol Infect Dis* 1989;12:129-32.

### Comparison of dot blot with in-situ hybridization for the detection of *Neisseria gonorrhoeae* in urethral exudate

GJ SCHOONE, WJG CORNELISSEN, PC VEENHUIJSEN, CE SCHÖNEMAN, WJ TERPSTRA (Amsterdam, The Netherlands). *J Appl Bacteriol* 1989;66:407-18.

### Direct detection of *Neisseria gonorrhoeae* with monoclonal antibodies characterized by serotyping reagents

GJ RAJASEKARIAH, S EDWARD, D SHAPIRA, et al (Artarmon, Australia). *J Clin Microbiol* 1989;27:1700-3.

### Plasmid content, serotypes and antimicrobial susceptibility of *Neisseria gonorrhoeae* strains isolated in Munich in 1987-88

D ABECK, AP JOHNSON, W GRIMM, R ZABA, HC KORTING (Munich, Federal Republic of Germany). *Eur J Epidemiol* 1989;5:170-2.

### The *in vitro* activity of norfloxacin, ofloxacin and ciprofloxacin and other antibiotics in current use against *Neisseria gonorrhoeae*

K MELBY, A FAEGRI (Oslo, Norway). *APMIS* 1989;97:347-50.

### Clinical comparison of single-oral-dose cefuroxime axetil and amoxicillin with probenecid for uncomplicated gonococcal infections in women

LM BADDOUR, RS GIBBS, G MERTZ, DM COCCHETTO, RC NOBLE (Columbia, USA). *Antimicrob Agents Chemother* 1989;33:801-4.

### Ciprofloxacin versus amoxicillin and probenecid in the treatment of uncomplicated gonorrhoea

A LASSUS, L KARPPINEN, L INGERVO, et al (Helsinki, Finland). *Scand J Infect Dis* 1989;60 suppl:58-61.

### Treatment of gonococcal conjunctivitis with single-dose intramuscular ceftriaxone

R HAIMOVICI, TJ RØUSSEL (Miami, USA). *Am J Ophthalmol* 1989;107:511-4.

---

## Non-specific genital infection and related disorders (*Chlamydial infections*)

---

### Chlamydial infections

MR HAMMERSCHLAG (New York, USA). *J Paediatr* 1989;114:727-34.

### Clinical and laboratory considerations of culture vs antigen assays for detection of *Chlamydia trachomatis* from genital specimens

JA KELLOGG (York, USA). *Arch Pathol Lab Med* 1989;113:453-60.

### Comparison of HeLa 229 and McCoy cell cultures for detection of *Chlamydia trachomatis* in clinical specimens

EAPM THEWESSEN, I FREUNDT, JH VAN RIJSOORT-VOS, E STOLZ, MF MICHEL, JHT WAGENVOORT (Rotterdam, The Netherlands). *J Clin Microbiol* 1989;27:1399-400.

### Enzyme immunoassay compared with cell culture and immunofluorescence for detecting genital chlamydia

G MUMTAZ, GL RIDGWAY, A NAYAGAM, JD ORIEL (London, England). *J Clin Pathol* 1989;42:658-60.

### Efficacy of duplicate genital specimens and repeated testing for confirming positive results for *Chlamydia trachomatis* antigen

JA KELLOGG, JW SEIPLE, JS LEVISKY (York, USA). *J Clin Microbiol* 1989;27:1218-21.

### Improved sensitivity of an enzyme immunoassay IDEA I for detecting *Chlamydia trachomatis*

BJ THOMAS, MF OSBORN, C GILCHRIST, D TAYLOR-ROBINSON (Harrow, England). *J Clin Pathol* 1989;42:759-62.

### Detection of *Chlamydia trachomatis* by the polymerase chain reaction

R GRIFFAIS, M THIBON (Paris, France). *Research Microbiol* 1989;140:139-42.

### Accumulation of chlamydial lipopolysaccharide antigen in the plasma membranes of infected cells

ST KARIMI, RH SCHLOEMER, CE WILDE III (Indianapolis, USA). *Infect Immun* 1989;57:1780-5.

### Immune response to genital chlamydial infection and influence of *Chlamydia pneumoniae* (TWAR) antibodies

S OSSER, K PERSSON (Malmö, Sweden). *Eur J Clin Microbiol Infect Dis* 1989;8:532-5.

### Serum IgG and IgA antibodies to chlamydia in ectopic pregnancies

W CHAIM, B SAROV, I SAROV, B PIURA, A COHEN, V INSLER (Beersheba, Israel). *Contraception* 1989;40:59-72.

### Association of *Chlamydia trachomatis* and *Mycoplasma hominis* with intrauterine growth retardation and preterm delivery

A MUNOZ (Baltimore, USA). *Am J Epidemiol* 1989;129:1247-57.

**Ciprofloxacin versus doxycycline in the treatment of uncomplicated *Chlamydia trachomatis* infections. A double-blind comparative study**  
L JESKANEN, L KARPPINEN, L INGERVO, S REITAMO, H-P HAPPONEN, A LASSUS (Helsinki, Finland). *Scand J Infect Dis* 1989;60 suppl:62-5.

**Inhibition of growth of *Chlamydia trachomatis* by the calcium antagonist verapamil**  
R SHAINKIN-KESTENBAUM, Y WINIKOFF, R KOL, C CHAIMOVITZ, I SAROV (Beersheba, Israel). *J Gen Microbiol* 1989;135: 1619-24.

**Non-specific genital infection and related disorders (*Mycoplasma* and *ureaplasma* infections)**

**Mycoplasmas of the human genital tract**  
DI LIMB (Sheffield, England). *Med Lab Sci* 1989;46:146-56.

**Histologic manifestations of perinatal genital mycoplasma infection**  
E MADAN, MP MEYERS, AS AMORTEGUI (Huntington, USA). *Arch Pathol Lab Med* 1989;113:465-9.

**Non-specific genital infection and related disorders (General)**

**Randomized treatment of mucopurulent cervicitis with doxycycline or amoxicillin**  
J PAAVONEN, PL ROBERTS, CE STEVENS, et al (Seattle, USA). *Am J Obstet Gynecol* 1989;161:128-35.

**Pelvic inflammatory disease**

**Infection with *Chlamydia trachomatis* and *Neisseria gonorrhoeae* in women with lower abdominal pain admitted to a gynaecology unit**  
GR SCOTT, C THOMPSON, IW SMITH, H YOUNG (Edinburgh, Scotland). *Br J Obstet Gynaecol* 1989;96:473-7.

**A comparison of ciprofloxacin with doxycycline and metronidazole in the treatment of acute pelvic inflammatory disease**  
PK HEINONEN, K TEISALA, A MIETTINEN, R AINE, R PUNNONEN, P GRÖNROOS (Tampere, Finland). *Scand J Infect Dis* 1989;60 suppl:66-73.

**Reiter's disease**

**Chlamydial infection and arthritis**  
R WILLIAMS, HR HARRISON, B TEMPEST, A RIZZOLI (San Antonio, USA). *J Rheumatol* 1989;16:846.

**Trichomoniasis**

**Evaluation of six media for the growth of *Trichomonas vaginalis* from vaginal secretions**  
GP SCHMID, LC MATHENY, AA ZAIDI, SJ KRAUS (Atlanta, USA). *J Clin Microbiol* 1989;27:1230-3.

**Isolation of a cell-detaching factor of *Trichomonas vaginalis***  
GE GARBER, LT LEMCHUK-FAVEL, WR BOWIE (Ottawa, Canada). *J Clin Microbiol* 1989; 27:1548-53.

**Fenticonazole in the treatment of vaginal *Trichomonas* infections**  
SM MANTH, W RINDI, J SCHNITKER, A WEIGERDING, E COLLI, M SCATIGNA (Milan, Italy). *Curr Ther Res* 1989;45:1060-6.

**Candidiasis**

**Candidiasis**  
F MEUNIER (Brussels, Belgium). *Eur J Clin Microbiol Infect Dis* 1989;8:438-47.

**Vaginal eosinophils and IgE antibodies to *Candida albicans* in women with recurrent vaginitis**  
SS WITKIN, J JEREMIAS, WJ LEDGER (New York, USA). *J Med Vet Mycol* 1989;27: 57-62.

***Candida* species and *C. albicans* biotypes in women attending clinics in genitourinary medicine**  
FC ODDS, CE WEBSTER, PG FISK, VC RILEY, P MAYURANATHAN, PD SIMMONS (Leicester, England). *J Med Microbiol* 1989;29:51-4.

**Biotyping of *Candida albicans*: results of an international collaborative survey**  
FC ODDS, P AUGER, P KROGH, AN NEELY, E SEGAL (Leicester, England). *J Clin Microbiol* 1989;27:1506-9.

**Treatment of vaginal candidiasis with fluconazole**  
RE HERZOG, E ANSMANN (Bonn, Federal Republic of Germany). *Mycoses* 1989;32: 204-8.

**Topical one-day treatment with ketoconazole—a double-blind randomized control study on vaginal candidiasis**  
I GERHARD, D OHLHURST, W EGGERTKRUSE, B RUNNEBAUM (Heidelberg, Federal Republic of Germany). *Mycoses* 1989;32: 253-7.

**Other sexually transmitted diseases**

**Comparison of methods of diagnosing bacterial vaginosis among pregnant women**  
MA KROHN, SL HILLIER, DA ESCHENBACH (Seattle, USA). *J Clin Microbiol* 1989; 27:1266-71.

**DNA probes for the identification of *Haemophilus ducreyi***  
LM PARSONS, M SHAYEGANI, AL WARING, LH BOPP (Albany, USA). *J Clin Microbiol* 1989;27:1441-5.

**Treatment of scabies with permethrin versus lindane and benzyl benzoate**  
U-F HAUSTEIN, B HLAWA (Leipzig, German Democratic Republic). *Acta Dermatovenereol* 1989;69:348-50.

**Public health and social services**

**Sexually transmitted diseases and prostitution**  
M WAUGH (Leeds, England). *J Roy Soc Med* 1989;82:319-20.

**Preventing AIDS and other STDs through condom promotion—a patient education intervention**  
MZ SOLOMON, W DEJONG (Newton, USA). *Am J Public Health* 1989;79:453-8.

**Screening for sexually transmitted disease in donor insemination clinics in the UK. A survey**  
CLR BARRATT, EF MONTEIRO, M CHAUHAN, S COOKE, ID COOKE (Sheffield, England). *Br J Obstet Gynaecol* 1989;96:461-6.

**Miscellaneous**

**Poison oak urethritis**  
WJ WATTS (Seattle, USA). *N Engl J Med* 1989;321:194.

**Urinary tract infections in men**  
PE GOWER (London, England). *Br Med J* 1989;298:1595-6.

**Risk factors for vulvar lichen sclerosis**  
M SIDERI, F PARAZZINI, MT ROGNONI, et al (Milan, Italy). *Am J Obstet Gynecol* 1989; 161:38-41.

**Cervical smears: a questionable practice?**  
JS McCORMICK (Dublin, Ireland). *Lancet* 1989;ii:207-9.