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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ADVICE TO AUTHORS Papers for publication, which will be accepted on the understanding that they have not been and will not be published elsewhere and are subject to editorial revision, should be sent in duplicate to **Prof A Mindel**, Academic Department of Sexual Health Medicine, Sydney Hospital, Macquarie Street, Sydney 2000, GPO Box 1614, Sydney, NSW, Australia. Tel: 61 2221 2800; Fax: 612 221 5810. All authors must give signed consent to publication. Submitted papers must be accompanied by the following statement, signed by all the authors: "No paper resembling the enclosed article has been or will be published except in *Genitourinary Medicine*. We transfer all copyright ownership to *Genitourinary Medicine*." If requested, authors shall produce the data upon which the manuscript is based for examination by the editor. 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.

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MATTERS ARISING

Engelkens replies to a letter.

The localisation of treponemes in skin biopsies

We thank Dr RB Bosma for his kind comments on our paper¹ in his recent letter², which appeared in *Matters Arising*.

For several years the modification of the Steiner staining method according to De Koning J *et al*³ has been performed in our institution as a routine. This superior technique was also used on all specimens described in our publication. The same modified silver stain was used in two other studies.^{4,5}

HJH ENGELKENS

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- 1 Engelkens HJH, Kate FJW ten, Jubianto Judanarso, *et al*. The localisation of treponemes and characterisation of the inflammatory infiltrate in skin biopsies from patients with primary or secondary syphilis, or early infectious yaws. *Genitourin Med* 1993;69:102-7 and *Correction*, *Genitourin Med* 1993;69:327.

- 2 Bosma RB. The localisation of treponemes in skin biopsies (letter). *Genitourin Med* 1993;69:408.
- 3 De Koning J, Bosma RB, Hoogkamp-Korstanje JAA. Demonstration of spirochaetes in patients with Lyme disease with a modified silver stain. *J Med Microbiol* 1987;23:261-7.
- 4 Engelkens HJH, Vuzevski VD, Jubianto Judanarso, *et al*. Early yaws: a light microscopic study. *Genitourin Med* 1990;66:264-6.
- 5 Engelkens HJH, Kate FJW ten, Vuzevski VD, *et al*. Primary and secondary syphilis: a histopathological study. *Int J STD & AIDS* 1991;2:280-4.

NOTICES

The 24th Annual Meeting of the European Society for Dermatological Research (ESDR) will be held 24-27 September, 1994 at the Vienna General Hospital, Vienna, Austria.

Abstract forms and meeting registration information can be obtained from: Professor Dr. Wolfram Sterry, ESDR Secretary, Department of Dermatology, University of Ulm Medical School, Oberer Eselsberg 40, D-89081 ULM, Germany. Fax: 49-731-502 3772.

Outcomes into Clinical Practice. 7 June 1994, International Hotel, Marsh Wall, Docklands.

This conference organised by the BMA, BMJ and UK Clearing House on Health Economics will explore the opportunities for outcome assessment in clinical practice. The meeting is particularly geared to clinical teams in both hospital and general practice. For further details please contact: Pru Walters, BMA House, Tavistock Square, London WC1H 9JP. Telephone: 071-383-6518.

IUVDT World STD/AIDS Congress 1995. 19-23 March 1995, Singapore.

For further information contact: Communication Consultants, 336 Smith Street #06-302, New Bridge Centre, Singapore 0105. Telephone (65) 227 9811. Fax (65) 227 0257.

CURRENT PUBLICATIONS

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

Gonorrhoea
Chlamydia
Pelvic inflammatory disease
Non-specific genital infection
Candidiasis
Bacterial vaginosis
Trichomoniasis
Syphilis and other treponematoses
Herpes
Human papillomavirus infection
Cervical cytology and colposcopy
Other sexually transmitted diseases
Microbiology and Immunology
Dermatology
Public health and social aspects
Miscellaneous

Gonorrhoea

Antimicrobial susceptibilities of *Neisseria gonorrhoeae* strains representing five distinct resistance phenotypes.

RJ RICE, JS KNAPP. *Antimicrob Agents Chemother* 1994;38:155.

The epidemiology of *Neisseria gonorrhoeae* isolates in Greenland 1979-1990. The emergence, spread and disappearance of non-PPNG strains carrying the conjugative 38,9 kb plasmid.

K REIMANN, I KALLINGS, I LIND. *Sex Transm Dis* 1993;20:338.

Characterization of multiresistant strains of *Neisseria gonorrhoeae* isolated in Nicaragua.

I CASTRO, MG BERGERON, S CHAMBERLAND. *Sex Transm Dis* 1993;20:314.

Penicillin-binding protein-2 genes of chromosomally-mediated penicillin-resistant *Neisseria gonorrhoeae* from Greece—screening for codon asp-345A.

I TIROSIMOS, E TZELEPI, VC KATSOUGIANOPOVLOS. *J Antimicrob Chemother* 1993;32:677.

Detection of the tetM determinant in *Neisseria gonorrhoeae*.

CA ISON, N TEKKI, MJ GILL. *Sex Transm Dis* 1993;20:329.

Chlamydia

***Chlamydia trachomatis* and sexually transmitted disease.**

D TAYLOR ROBINSON. *BMJ* 1994;308:150.

***Chlamydia trachomatis* infection in rural Nova Scotia.**

DB LANGILLE, J SHOVELLER. *Can Med Assoc J* 1993;49:1267.

The association between *Chlamydia trachomatis* serology and pelvic damage in women with tubal ectopic gestations.

PA SHEFFIELD, DE MOORE, LF VIGT *et al.* *Fert Steril* 1993;60:970.

***Chlamydia trachomatis* associated with chronic dysuria among patients with *Schistosoma haematobium*.**

RL HABERBERGER, S MAOKHTAR, H BADAWY, R ABUELYAZBED. *Trans Roy Soc Trop Med Hyg* 1993;87:671.

Evaluation of an enzyme immunoassay for detection of *Chlamydia trachomatis* in urine of asymptomatic men.

JW SANDERS, EW HOOK, LE WELSH, ME SHEPHERD, TC QUINN. *J Clin Microbiol* 1994;32:24.

Confirmatory testing demonstrates that false-positive rates in the Chlamydiazyme assay are influenced by gender and genital specimen type.

M CHERNESKY, D JANG, J SELLORS, S CASTRICIANO, L PICKARD, K LUINSTRA, J MAHONY. *Sex Transm Dis* 1993;20:301.

Evaluation of Clearview and Magic Lite tests, polymerase chain reaction and cell culture for detection of *Chlamydia trachomatis* in urogenital specimens.

JA JW KLUYTMANS, WHF GOESSENS, JW MOUTON, *et al.* *J Clin Microbiol* 1993;31:3204.

Application of a new, universal DNA labelling system in the PCR mediated diagnoses of *Chlamydia trachomatis* and human papillomavirus type 16 infection in cervical smears.

A VANBELKUM, E LINKELS, T JELSMA, HJ HOUTHOFF, F VANDENBERG, W QUINT. *J Virol Meth* 1993;45:189.

Interlaboratory agreement study of a double set of PCR plasmid primers for detection of *Chlamydia trachomatis* in a variety of genitourinary specimens.

JB MAHONY, KE LUINSTRA, J WANER, *et al.* *J Clin Microbiol* 1994;32:87.

Chlamydial serology in genital infections: ImmunoComb versus Ipazyme.

A CLAD, U FLECKEN, EE PETERSEN. *Infection* 1993;21:384.

Conjunctival scarring in trachoma is associated with depressed cell-mediated immune responses to chlamydia antigens.

MJ HOLLAND, RL BAILEY, LJ HAYES, HC WHITTLE, DCW MABEY. *J Infect Dis* 1993;168:1528.

Binding of the glycan of the major outer membrane protein of *Chlamydia trachomatis* to HeLa cells.

AF SWANSON, CC KVO. *Infect Immun* 1994;62:24.

Selective translocation of annexins during intracellular redistribution of *Chlamydia trachomatis* in HeLa and McCoy cells.

M MAJEED, JD ERNST, KE MAGNUSSON, E KIHLSSTROM, O STENDAHL. *Infect Immun* 1994; 62:126.

Chlamydial glycolipid antigen: extracellular accumulation, biological activity and antibody recognition.

ES STUART, KM TROIDLE, AB MACDONALD. *Curr Microbiol* 1994;28:85.

Pelvic inflammatory disease

Pelvic inflammatory disease.

WM MCCORMACK. *N Engl J Med* 1994;330:115.

Test performance of erythrocyte sedimentation rate and C-reactive protein in assessing the severity of acute pelvic inflammatory disease.

AK MIETTINEN, PK HEINONEN, P LAIPPALA, J PAAVONEN. *Am J Obstet Gynecol* 1993;169: 1143.

Non-specific genital infection

***Mycoplasma genitalium* and non-gonococcal urethritis.**

TM HOOTON, MC ROBERTS, GE KENNY. *Lancet* 1994;343:69.

Candidiasis

Systemic cell-mediated immune reactivity in women with recurrent vulvovaginal candidiasis.

PL FIDEL, ME LYNCH, V REDONDOLOPEZ, JD SOBEL, R ROBINSON. *J Infect Dis* 1993;168: 1458.

Effect of miconazole on the structure and function of plasma membrane of *Candida albicans*.

S ANSARI, R PRASAD. *Fems Microbiol Lett* 1993;114:93.

Bacterial vaginosis

Bacterial vaginosis and vaginal microorganisms in idiopathic premature labour and association with pregnancy outcome.

E HOLST, AR GOFFENG, B ANDERSCH. *J Clin Microbiol* 1994;32:176.

Coitus during pregnancy is not related to bacterial vaginosis or preterm birth.

T KURKI, O YLIKORKALA. *Am J Obstet Gynecol* 1993;169:1130.

Endotoxin and interleukin-1 α in the cervical mucus and vaginal fluid of pregnant women with bacterial vaginosis.

JJ PLATZCHRISTENSEN, I MATTSBYBALTZER, P THOMSEN, N WIQVIST. *Am J Obstet Gynecol* 1993;169:1161.

Trichomoniasis

Evaluation of Affirm VP microbial identification test for *Gardnerella vaginalis* and *Trichomonas vaginalis*.

AM BRISELDEN, SL HILLIER. *J Clin Microbiol* 1994;32:148.

Syphilis and other treponematoses

Asymptomatic neurosyphilis after doxycycline therapy for early latent syphilis.

JM ZENILMAN, S RAND, P BARDITCH, AM ROMPALO. *Sex Transm Dis* 1998;20:346.

Maternal congenital syphilis in a large tertiary-care urban hospital.

MP REYES, N HUNT, EM OSTREA, D GEORGE. *Clin Infect Dis* 1993;17:1041.

Delayed hypersensitivity, immune deviation, antigen processing and T-cell subset selection in syphilis pathogenesis and vaccine design.

S SELL, PL HSU. *Immunol Today* 1993;14:576.

Characterization of the low-molecular-mass proteins of virulent *Treponema pallidum*.

LV STAMM, EA PARRISH. *Infect Immun* 1994; 62:271.

Herpes

Brief report—recurrent acyclovir-resistant genital herpes in an immunocompetent patient.

RG KOST, EL HILL, M TIGGES, SE STRAUS. *N Engl J Med* 1993;329:1777.

Hemorrhagic cystitis associated with herpes simplex virus.

C MCCLANAHAN, MM GRIMES, E CALLAGHAN, J STEWART. *J Urol* 1994;151:152.

Flow cytometric indirect immunofluorescence assay with high sensitivity and specificity for the detection of antibodies to HSV-1 and HSV-2.

A CARUSO, M TINTI, L PERONI, et al. *Eur J Epidemiol* 1993;9:547.

Detection of immunoglobulin-M, antibodies to glycoprotein G-2 by western blot (immunoblot) for diagnosis of initial herpes simplex virus type-2 genital infections.

DWT HO, PR FIELD, WL IRVING, DR PACKHAM, AL CUNNINGHAM. *J Clin Microbiol* 1993;31:3157.

Purification and biochemical characterization of the protein kinase encoded by the US3 gene of herpes simplex virus type-2.

T DAIKOKU, Y YAMASHITA, T TSURUMI, K MAENO, Y NISHIYAMA. *Virology* 1993;197:685.

The pathogenicity of a US-3-protein kinase-deficient mutant of herpes simplex virus type-2 in mice.

R KURACHI, T DAIKOKU, T TSURUMI, K MAENO, Y NISHIYAMA, T KURATA. *Arch Virol* 1993;133:259.

Human papillomavirus infection

Is HPV always sexually acquired?

CK FAIRLEY, SN TABRIZI, J MCNEIL, SJ CHEN, AL BORG, SM GARLAND. *Med J Australia* 1993; 159:724.

Treatment of external genital warts comparing cryotherapy (liquid nitrogen) and trichloroacetic acid.

AN ABDULLAH, M WALZMAN, A WADE. *Sex Transm Dis* 1993;20:344.

Prevalence and risk factors of genital human papillomavirus (HPV) infections in healthy males: A study of Finnish conscripts.

M HIPPELAINEN, S SYRJANEN, M HIPPELAINEN, et al. *Sex Transm Dis* 1993;20:321.

Risk factors associated with cervical human papillomavirus infections—a case-control study.

V KATAJA, S SYRJANEN, M YLISKOSKI, et al. *Am J Epidemiol* 1993;38:735.

Multicentric papillomavirus infection of the female genital tract—a study of morphologic pattern, possible risk factors and viral prevalence.

L DIBONITO, G FALCONIERI, D BONIFACIOPORI. *Pathol Res Pract* 1993;189:1023.

Ano-genital warts in consecutive male heterosexual patients referred to a CO₂-laser clinic in Copenhagen.

CS PETERSEN, T MENNE. *Acta Dermato-Venerol* 1993;73:465.

Anal warts and squamous carcinoma-in-situ of the anal canal.

AR MORGAN, AL MILES, C WASTELL. *J R Soc Med* 1994;87:15.

Confirmation of the association of human papillomavirus with human colon cancer.

B MCGREGOR, P BYRNE, D KIRGAN, J ALBRIGHT, P MANALO, M HALL. *Am J Surg* 1993;166:738.

Association between cervical and penile cancers in Madras, India.

CK GAJALAKSHMI, V SHANTA. *Acta Oncol* 1993;32:617.

A high association of oncogenic human papillomaviruses with carcinomas of the female urethra—polymerase chain reaction-based analysis of multiple histological types.

JS WIENER, PJ WALTHER. *J Urol* 1994;151:49.

Serologic response in human papillomavirus-associated invasive cervical cancer.

RP VISCIDI, Y SUN, B TSUZAKI, FX BOSCH, N MINOZ, KV SHAH. *Int J Cancer* 1993;55:780.

Aberrant p53 protein expression in cervical intra-epithelial neoplasia.

R POLLANEN, Y SOINI, K VAHAKANGAS, P PAAKKO, VP LEHTO. *Histopathology* 1993;23:471.

Localization of p53-protein and human papillomavirus in anogenital squamous lesions—immunohistochemical and in-situ hybridization studies in benign, dysplastic and malignant epithelia.

AE WATTS, HP KOEFFLER, JW SAID. *Hum Pathol* 1993;24:1238.

Identification of seroactive epitopes of human papillomavirus type-18 E7-protein by synthetic peptides.

V KRCHNAK, T PISTEK, J VAGNER, et al. *Acta Virol* 1993;37:395.

The predominant messenger RNA class in HPV16-infected genital neoplasia does not encode the E6 or the E7 protein.

S BOHM, SP WILCZYNSKI, H PFISTER, T IFTNER. *Int J Cancer* 1993;55:791.

Different stability of AP1 proteins in human keratinocyte and fibroblast cells, possible role in the cell-type specific expression of human papillomavirus type 18 genes.

EA OFFORD, PO SHAPPUIS, P BEARD. *Carcinogenesis* 1993;14:2447.

Integration site of human papillomavirus type-18 DNA in chromosome band-8q22,1 of C4-1 cervical carcinoma—DNAse-1 hypersensitivity and methylation of cellular flanking sequences.

MI GALLEGÓ, DR ZIMONJIC, NC POPESCU, JA DIFFALO, PA LAZO. *Genes Chromosomes Cancer* 1994;9:28.

Cervical cytology and colposcopy

Cervical cancer screening in Western Australia in 1992—progress since 1983.

JAY STRATON, CDAJ HOLMAN, BM EDWARDS. *Med J Australia* 1993;159:657.

Efficacy and safety of large-loop excision of the transformation zone.

A BIGRIGG, DK HAFFENDEN, AL SHEEHAN, BW CODING, MD READ. *Lancet* 1994;343:32.

Pregnancy following large loop excision of the transformation zone.

DK HAFFENDER, A BIGRIGG, BW CODING, MD READ. *Br J Obstet Gynaecol* 1993;160:1059.

Cervical cytology after cryosurgery, laser ablation and conization—a comparison of the cotton swab and endocervical brush.

LM PARTOLL, G JAVAHERI. *Acta Cytol* 1993;37:876.

Cytology of vulvar squamous neoplasia.

M KACHIMURA, Y MATSUURA, T KAWAGOE, N TOKI, K SUGIHARA. *Acta Cytol* 1993;37:871.

Other sexually transmitted diseases

Hepatitis C virus among sexually promiscuous groups and the heterosexual partners of hepatitis C virus infected cases.

E LISSEN, HJ ALTER, MA ABAD, et al. *Eur J Clin Microbiol Infect Dis* 1993;12:827.

Molecular virology and pathogenesis of hepatitis B.

JYN LAU, TL WRIGHT. *Lancet* 1993;342:1335.

Induction of protective immunity to *Haemophilus ducreyi* in the temperature-dependent rabbit model of experimental chancroid.

EK HANSEN, SR LUMBLEY, JA RICHARDSON, et al. *J Immunol* 1994;152:184.

Microbiology and Immunology

Induction of specific immunoglobulin A in the small intestine, colon-rectum and vagina measured by a new method for collection of secretions from local mucosal surfaces.

B HANEBERG, D KENDALL, HM AMERONGEN, FM APTER, JP KRAEHNBUHL, MR NEUTRA. *Infect Immun* 1994;62:15.

Dermatology

Effect of cyclosporin on genital psoriasis and lichen planus.

GBE JEMEC, B BAADSGAARD. *J Am Acad Dermatol* 1993;29:1048.

Malignant melanoma of the scrotum—report of 2 cases.

MM KONSTADOUKAKIS, N RICANIADIS, OP KARAKOUSIS. *J Urol* 1994;151:161.

Public health and social aspects

The sexual behaviour of young people.

E PERSSON. *Br J Obstet Gynaecol* 1993;100:1074.

Relationship between drug use and sexual behaviours and the occurrence of sexually transmitted diseases among high-risk male youth.

MA SHAFER, JF HILTON, M EKSTRAND, *et al.* *Sex Transm Dis* 1993;20:307.

Condom breakage during commercial sex in Chiang Mai, Thailand.

S RUGPAO, N PRUTHITHADA, Y YUTABOOTR, W PRASERTWITAYAKJI, S TOVANABUTRA. *Contraception* 1993;46:537.

Prostitution—would legalization help.

M HEPBURN. *BMJ* 1993;307:1370.

Miscellaneous

Prostatitis syndrome. Cytological and microbiological procedures for diagnosis and classification.

HG SCHIEFER, C JANTOS, W WEIDNER. *Med Microbiol Lett* 1993;2:403.

The use of electro-surgical techniques in the management of premalignant diseases of the vulva, vagina and cervix—an excisional rather than an ablative approach.

JD BLOSS. *Am J Obstet Gynecol* 1993;183:1081.

Presence of cytomegalovirus inclusion bodies in a recurrent ulcerative vaginal lesion.

O ABULAFIA, B DUBESHTER, AE DAWSON, DM SHERER. *Am J Obstet Gynecol* 1993;169:1175.

Prospective study of leukocytes and leukocyte subpopulations in semen suggests they are not a cause of male infertility.

MJ TOMLINSON, CLR BARRATT, ID COOKE. *Fert Steril* 1993;60:1069.

Vaginal immunization of monkeys against urinary tract infection with a multi-strain vaccine.

DT VEHLING, WJ HOPKINS, LJ JAMES, E BALISH. *J Urol* 1994;151:214.