megadalton transmissible plasmid,¹ was isolated in the United States of America.² These strains of TRNG were found in England and the Netherlands in 1988.^{3,4}

We now present the first TRNG isolate in Spain, from a prostitute woman from Madrid; she was treated with spectinomycin. The isolate of *N. gonorrhoeae* was resistant to tetracycline (Minimal Inhibitory Concentration 16 mg/l), sensitive to penicillin (MIC 0.06 mg/l), spectinomycin (MIC 16 mg/l) and ceftriaxone (MIC 0.0015 mg/l), and moderately sensitive to cefoxitin (MIC 0.5 mg/l).

The plasmid analysis⁵ shows two plasmids, of 25.2 and 2.6 megadaltons; digestion of plasmid deoxyribonucleic acid with Hinc II and Sma I shows a band pattern different from the one found when a 24.5 megadalton plasmid (transfer plasmid) was digested.

Auxotype and serotype were determined as has been previously described;⁶ the isolate belonged to class-Pro/Bpyst.

A rapid international spread of TRNG may be occurring as we predicted recently.⁷

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Workload in genitourinary medicine clinics in England

One of the criteria used to assess workloads in genitourinary clinics is based on the reports of clinic attendances, that is, new cases, return visits and diagnoses. Yet there does not appear to be an agreed uniform approach to calculating these figures between different clinics, making comparisons of workloads difficult to interpret.

When to reregister patients (and thus create a new visit and a new diagnosis) is an area open to individual interpretation. A dilemma often arises in cases of chronic or recurrent conditions like candidiasis, recurrent non-specific urethritis, genital warts, etc.

Different clinic practices may also contribute to false impressions of workload. For example, considering the fact that many of our patients are employed and/or have young children, we operate a fairly liberal policy of allowing patients to phone for results where the doctor considers this appropriate. This obviously creates a lot of work for reception staff, who still have to retrieve case notes from filing and locate results, and often have to ask a doctor either for a comment or to talk to the patient. Thus, although we are providing an optimal patient oriented facility much of this work is not included in assessment of workload for the clinic. Conversely, a clinic that insists on a visit for results will show higher clinic attendance figures.

A clinic, like ours, that provides a full colposcopy service through to cold coagulation, loop excision or laser therapy, hardly has its workload adequately represented by a single diagnosis of C11 when the patient attends with genital warts and is subsequently managed by us for an abnormal smear. A clinic that does not even do cytology would apparently have a similar workload to us—based on diagnoses alone.

With the imminent National Health Service review and an apparent decrease in clinic attendance numbers,

despite increased workload due to the complexity of the current conditions,¹ there is pressure on clinics to institute measures to get numbers to reflect the work being done. In future it is likely that greater credit and resources will be given to clinics that show high new patient attendance numbers and a high new patient to follow up attendance ratio. To our knowledge no consensus on performance indicators in genitourinary medicine has yet been reached but attendance and ratios are likely to be major considerations. It is essential that our practice is represented in a comprehensive, accurate and work sensitive way to reflect true workload and changing trends. Clinic variance in registration and reregistration policies will make comparisons inaccurate and regional planning difficult.

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Syphilis among heterosexuals

We read with interest the paper by Dr van den Hoek and colleagues¹ and have therefore performed a survey to determine whether acquisition of syphilis at our unit is associated with prostitution or drug abuse.

The case notes of all patients attending our clinic between 1985 and 1989 with primary, secondary or early latent syphilis (less than one year's duration) were reviewed retrospectively. The following clinical details were recorded: sex; sexual orientation; history of prostitution; history of drug abuse; whether infection contracted in UK or abroad. These details are summarised in the table.

No patients gave a history of prostitution or drug abuse. As has been noted in other studies the number of homo/bisexual men with infectious syphilis has greatly decreased and the proportion of heterosexuals with infectious syphilis is increasing. But there has been no increase in the number of heterosexuals with syphilis and an increasing proportion of

Table Infectious syphilis at St. Mary's hospital department of genito-urinary medicine 1985-1989

	1985	1986	1987	1988	1989
Heterosexual men	14	2	10	12	6
Homo/bisexual men	65	25	23	11	10
Women	6	2	9	9	5
Total	85	29	42	32	21
Percentage infected abroad (where geographical location of infection recorded)	22%	26%	38%	57%	71%

patients give a history suggesting infection abroad. Some units in London, however, have reported a recent resurgence of infectious syphilis among heterosexuals.²

Although the results of this retrospective survey must be treated with caution it seems there is no link between infectious syphilis and prostitution in patients attending this unit.

Drug abuse and prostitution are strongly associated with the current heterosexual syphilis epidemic in the USA and this carries with it the risk of increasing HIV transmission within this group.³ Prospective studies are needed to assess the significance of this phenomenon in the UK.

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MATTERS ARISING

Treatment of external genital warts¹

Stone and colleagues state that the patient should be carefully positioned on the ground pad for electrodesiccation. Using the monoterminial technique (as when using the hyfrecator) it is not necessary to use the ground pad. In fact electrodesiccation is usually described as a monoterminial technique.

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1 Stone KM, Becker TM, Hadgu A, Kraus SJ. Treatment of external genital warts: a randomised clinical trial comparing podophyllin, cryotherapy, and electrodesiccation. *Genitourin Med* 1990;66:16-9.

Genital warts and the need for screening

An interesting controversy has arisen concerning the benefit of screening for concomitant sexually transmitted diseases (STD) in patients who present to genitourinary medicine departments with genital warts. Malcolm Griffiths¹ argues that such screening of women is of limited value on the evidence of a relatively low prevalence of genital infection with *Chlamydia trachomatis* and other STDs in his patient population. More recently, Carne and Dockerty² have confirmed the traditional view that screening is mandatory. Neither paper, however, distinguishes between patients whose sole symptom was genital warts and patients with additional genital symptoms which warrant screening for genital infection on their own account. This latter group might be anticipated to have a high rate of coinfection.

During the period April to September 1989, first presentations of genital warts were seen in 297 women and 249 men attending this genitourinary medicine department. All

were screened for *Neisseria gonorrhoeae*, *Chlamydia trachomatis* (by culture in men, ELISA in women), urethritis, *Candida albicans*, *Trichomonas vaginalis* and bacterial vaginosis using standard techniques. Of these patients, 138 (46%) women and 52 (21%) men had coincidental genital symptoms necessitating full genital screening. Of the 356 patients whose sole symptom was genital warts, 69 (33/159, 21% women (F) and 36/197, 18% men (M)) were found to have asymptomatic coinfection with a sexually transmitted disease, comprising gonorrhoea (1M, 5F), chlamydia (10M, 19F), non-gonococcal urethritis (22M), trichomoniasis (9F) and genital herpes (3M). Our finding of asymptomatic coinfection with a STD in one fifth of patients whose sole symptom was genital warts confirms the importance of screening for coinfection.

Genital infection with *Chlamydia trachomatis* or *Neisseria gonorrhoeae* are infections of significant morbidity, particularly in women and every opportunity for screening the multipartner sexually active population should be encouraged. Rather than reduce screening of patients with genital warts as advocated by Griffiths we would welcome an expansion of screening for asymptomatic genital infection in gynaecology, general practice and family planning settings, a secondary preventative measure constrained by resources and professional resistance.

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Genital infections due to *Neisseria meningitidis*

SIR,—In a recent report Wilson *et al*¹ drew attention to a case of urethritis in a heterosexual male caused by *Neisseria meningitidis* probably acquired by