which was in mixed culture), but proved positive when tested again, and the negative result from the third isolate may possibly be accounted for by the use of a limited volume of conjugate. Eleven strains of *N meningitidis* were tested, seven of which were non-reactive. Of the four that showed weak colour changes, two were tested again, when one gave a similar result and the other result was interpreted as positive by only one of the three workers. Four other *Neisseria* spp proved non-reactive. Two isolates each of *Moraxella* spp and *Branhamella catarrhalis* were recorded as giving negative results, although three of them showed a weak colour change when read again five to 60 minutes after the test was completed.

Although we tested a limited number of isolates, the DNA probe performed satisfactorily in most cases. Some isolates were, however, identified incorrectly. False negative results could possibly be accounted for by one of the technique steps, such as inadequate inoculum size; false positive results are less readily explained. Our overall impression of the test was that it was relatively simple to perform and was completed within 10 minutes. The timing and temperature appeared to be critical, however, which led to a need for extremely good organisation of the work or for two people to perform the test. Furthermore, the colour reaction was weak in many instances, which led to difficulty in interpreting the result. The improvement of the methodology to overcome these limitations will make the probe available as an additional test to identify rapidly *N gonorrhoeae* from primary cultures. Further evaluations, including cost consideration, are necessary to assess the role for this test in routine clinical laboratories.

We thank the staff of the department of genitourinary medicine for their assistance in this study, and Ortho Diagnostic Systems Limited for supplying the kit.

Yours faithfully,

M S Sprott
A M Kearns
M W Neale

<table>
<thead>
<tr>
<th>Organism</th>
<th>No tested</th>
<th>Negative</th>
<th>Weakly positive</th>
<th>Positive</th>
<th>Strongly positive</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>N gonorrhoeae</em></td>
<td>30</td>
<td>3</td>
<td>4</td>
<td>16</td>
<td>7</td>
</tr>
<tr>
<td><em>N meningitidis</em></td>
<td>11</td>
<td>7</td>
<td>4</td>
<td>0</td>
<td>0</td>
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<tr>
<td><em>N lactamica</em></td>
<td>1</td>
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<td>0</td>
</tr>
<tr>
<td><em>N cinerea</em></td>
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<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><em>N flavescens</em></td>
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<td>0</td>
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</tr>
<tr>
<td><em>N elongata</em></td>
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</tr>
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<td><em>Moraxella</em> spp</td>
<td>2</td>
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</tr>
<tr>
<td><em>Branhamella catarrhalis</em></td>
<td>2</td>
<td>2</td>
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<td>0</td>
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</tr>
</tbody>
</table>

**Table**  
Results of DNA probe test of 49 test *Neisseria* spp and related organisms

Public Health Laboratory,  
Institute of Pathology,  
General Hospital,  
Westgate Road,  
Newcastle upon Tyne NE4 6BE

**TO THE EDITOR, Genitourinary Medicine**

Is self application of podophyllin an acceptable treatment of genital warts in men?

Sir,

Treatment of genital warts is a major part of the workload of any genitourinary medicine clinic. Podophyllin is used extensively as a first line treatment in most clinics. Treatment is generally carried out two to three times a week at the clinic, and patients are instructed to wash the podophyllin paint off after six hours. Some patients are keen to treat their own warts, but doctors may be reluctant to prescribe podophyllin for self application because of fear of adverse effects that could lead to litigation.

Having investigated the acceptability of self treatment and obtained an opinion from a medical defence society, we started issuing podophyllin for self treatment. Podophyllin was never issued until at least one treatment had been carried out in the clinic and the reaction assessed at a follow up visit. Each patient was given verbal instructions, a demonstration, and a detailed leaflet of instructions.

The following are excerpts (with permission) from the reply to our query concerning possible medicolegal implications:

"The principle of the use of this drug on a ‘domestic’ basis must be the same as (for) any medication provided for the patient’s own use and does revolve around education/supervision. In this particular case this would seem to be satisfied by the fact that the initial administration is done within the clinic by a professional.

My view is that if all the necessary precautions are taken in education and a clearly worded leaflet such as your own is given to the patient then the likelihood of successful litigation, were the patient unlucky enough to suffer some damage, would be low."

We have now issued 324 vials of 5 ml of 25% podophyllin to male patients for self treatment with three applications a week for up to three weeks. Patients whose warts persist after this are assessed for alternative treatment. In that time only one patient ‘overdied it’ and caused painful excoriation to the prepuc, which however healed rapidly using an imidazole and hydrocortisone preparation for three days.

We are satisfied that in treating genital warts in men ‘podophyllin to take away’ is a sensible alternative to clinic treatment and, if carried out in accordance with our suggestions, is unlikely to have any serious adverse consequences for the patient or doctor.

Yours faithfully,

Colin O’Mahony
David Coker

Department of Genitourinary Medicine,  
Royal Liverpool Hospital,  
Prescot Street,  
Liverpool

**TO THE EDITOR, Genitourinary Medicine**

Transmission of HIV-I from men to women in central Africa

Sir,

Heterosexual transmission of the human immunodeficiency virus (HIV) is a major mode of spread of HIV in Africa. Studies of heterosexual transmission in Europe and North America have focused on spouses of men infected through blood transfusion or blood products. Antibodies to HIV were found in 9–19% of women tested.1

We report here a survey of the wives of 45 clinically healthy African men who were positive by western blot for antibodies to HIV-I (LAB BLOT I, Diagnostics Pasteur). At the time of the study, the 45 men were aged 19 to 32 and inhabitants of Bangui, Central African Republic. All were married, had lived with their wives for at least one year, and claimed to have regular sexual intercourse with their wives without the use of condoms. Eight men had two regular wives each. Only 20/53 (38%) wives had glycoprotein antibodies to HIV detected by western blot. Of the eight men who had two spouses, in four cases both women were seronegative, in three cases both women were seropositive, and in one case only one of the two spouses proved to be seropositive. These figures can be compared with a household study conducted in Kinshasa, Zaire, which showed that 8/15 (53%) wives of men with