

EVALUATION OF MINOCYCLINE IN THE TREATMENT OF CHLAMIDIAL GENITAL INFECTIONS

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ABSTRACT

29 patients in whom the chlamydial genital infection was proved by enzyme immunoassay (Abbot) were treated with minocycline in a dose 100 mg a day for 10 days. In 28 out of 29 patients the control tests became negative after therapy.

KEY WORDS

Chlamydia trachomatis, genital infection, enzyme immunoassay, minocycline, treatment

INTRODUCTION

The majority of cases of non-gonococcal urogenital infections are due to *Chlamydia trachomatis* and to agents like *Ureaplasma urealiticum* or *Mycoplasma hominis*. The clinical complications of chlamydial genital infections in males can closely resemble those due to *Neisseria gonorrhoeae*: urethritis, prostatic, epididymitis, and proctitis (7). The most important clinical manifestations in females include: urethritis, mucopurulent cervicitis, vaginitis.

PATIENTS INVESTIGATED

The study was done on following patients: those with symptoms of an urogenital infection, patients who visited the outpatients introduction oral contraception as well as asymptomatic patients under observation, 21 of them were females and 8 males.

The diagnostic test that we have used to detect

Chlamydia trachomatis antigen was Chlamydiazyme (Abbott), which specificity is close to 95% and sensitivity is close to 85%.

Other laboratory tests to detect *Chlamydia trachomatis* are detection of antichlamydial antibodies in blood serum (4), the cytodagnostic assessment of chlamydial inclusion bodies with May-Grunwald-Giemsa stain and the cultivation of chlamydia in cell cultures (2,6,9).

The specimens are to be taken with an appropriate swab and transported in a medium that is included in a Chlamydiazyme kit.

Each *Chlamydia trachomatis* positive patient received minocycline per os, 100 mg per day, for 10 days. Those who had received antibiotics in the preceding two months or had been treated with antacid drugs were excluded. We also excluded patients with positive anamnesis for vertigo and intolerance to tetracyclines.

The control samples have been taken 15 days after the end of the therapy.

