A DECREASE IN THE INCIDENCE OF SYPHILIS
IN IRAN AND THE EFFECT OF ISLAMIC
RULES IN CONTROLLING SEXUALLY
TRANSMITTED DISEASES

NASSER SIMFOROOSH, M.D.

From the Department of Urology, Shahid Beheshti University of Medical Sciences, and the Iranian Blood
Transfusion Center, Tehran, Islamic Republic of Iran

ABSTRACT

Venereal diseases are still a common problem in today's world. Even though tremendous advances are being made in medicine and large budgets are being spent to control sexually transmitted diseases (STD), especially in western countries, these diseases are still very common, and today AIDS has been added to the threats posed by STD to human life. The status of syphilis was evaluated in Iran in the years before and after the Islamic Revolution by comparing RPR test results in blood specimens obtained for transfusions from all groups of the society. RPR positivity was 0.6% for the years 1974-76, while it was only 0.2% for the years 1985-87, demonstrating a sharp decline. Divine laws, especially those offered by Islamic rules, are much more effective than present expensive medical measures to control venereal diseases, and can return sexual health to the human society.

INTRODUCTION

Syphilis is an ancient disease. which is still common in many parts of the world. Between 1950-1977, syphilis was studied in eight countries including the U.S.A. and Europe (Norway, France, Sweden, Denmark, England, Finland and Wales). The United States ranked the highest among the countries studied. syphilis was first introduced to Iran from the Soviet Union between 1500-1502 by businessmen. With the onslaught of western culture on Iran in the 20th century, the incidence of syphilis was increasing, but in the years after the Islamic Revolution, the trend reversed. Our study upon 2,185,348 blood samples clearly demonstrates a sharp decline of syphilis in recent years following the Islamic Revolution in Iran. This is a unique example which again emphasizes that social factors should be considered as a major scientific means in controlling venereal diseases, being much more simple, less expensive and more effective. Of these social factors, divine laws especially those offered by Islamic rules, are the most effective and preferred guidelines.

MATERIALS AND METHODS

Between 1974 and 1976, as well as 1985 and 1987, we reviewed the results of RPR tests in 2,185,348 blood samples. This test is used to screen the possible presence of syphilis in blood donors. These blood samples comprised all of the different groups of the society (workers, teachers, employees...) because the family of any patient requiring an operation donated blood.
Table I. Statistics for syphilis in Iran.
A comparison between three years before and three years after the
Islamic Revolution, reported by the Iranian Blood Transfusion Center.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of blood samples tested</td>
<td>12345</td>
<td>41158</td>
<td>73572</td>
<td>127684</td>
<td>611867</td>
<td>697144</td>
<td>749283</td>
<td>2038204</td>
</tr>
<tr>
<td>No. of positive RPR tests</td>
<td>65</td>
<td>283</td>
<td>541</td>
<td>809</td>
<td>611</td>
<td>1531</td>
<td>1829</td>
<td>3521</td>
</tr>
<tr>
<td>Average (percent)</td>
<td>0.3</td>
<td>0.6</td>
<td>0.7</td>
<td>0.6</td>
<td>0.1</td>
<td>0.2</td>
<td>0.2</td>
<td>0.2</td>
</tr>
</tbody>
</table>

A sharp decrease is noticed from 0.6% to 0.2%. This reemphasizes the importance of social factors, especially Islamic rules, in controlling venereal diseases.

Nasser Simforoosh, M.D.

precociously to the Iranian Transfusion Center. This means that the blood samples represent the totality of the Iranian society fairly accurately.

Results as shown in Table I indicate that the rate of RPR positivity for the year 1976 was 0.7% while for the year 1987 it was 0.2%, demonstrating a statistically significant decline. When we compare the average for the years between 1974-76 (pre-Islamic Revolution) and 1985-87 (post-Islamic Revolution), we find the rates 0.6% and 0.2%, respectively. This demonstrates a sharp decline in the incidence of syphilis in Iran, since Islamic rules are encouraged and have become popular in the society.

**DISCUSSION**

Since the appearance and spread of sexually transmitted diseases and factors facilitating this spread are very similar, we will shortly discuss the status of some of these diseases in different parts of the world. In the U.S., the incidence of gonorrhea was tripled during 1963-75, and is increasing daily. Three million people underwent treatment for gonorrhea in 1975. Since W.W.II, gonorrhea has never been such a serious problem in the American society, and since resistant strains of gonorrhea have appeared which elaborate beta lactamase, the battle against gonorrhea is becoming more difficult.

In a ten year period, the incidence of gonorrhea has shown a 42% rise in England, a time during which premarital sexual relationships were reported to have increased considerably in the 15-19 year age group.

The high incidence of gonorrhea and other sexually transmitted diseases are obviously due to liberal sexual relationships and factors encouraging free sexual relationships (use of contraceptive pills in very young girls). Since man is the only natural host for gonorrhea, it can easily be understood that free and unrestrained sexual relationships activate this disease. Conversely, if the infected person refrains from extramarital sexual relationships, the disease could never spread in the society.

Genital herpes simplex virus (HSV) is a disease of great concern to both physician and patient. Its incidence is increasing. It is transferred to sexual partners of infected persons and carries high morbidity and even mortality in infants, with no curative therapy at present.

AIDS (Acquired Immune Deficiency Syndrome), the most recent offspring of the family of sexually transmitted diseases, is now recognized as one of the most serious diseases threatening mankind. It was first reported in 1981, and it has been increasing rampanty every day. Doctors have diagnosed the disease in nearly 60,000 U.S. residents since 1981, and more than half have died. U.S. public health officals currently agree that between 1.5-2 million persons in America harbor the virus. There are still many mysteries and unresolved points about AIDS, with no cure in sight. In fact, every infected person is a real time bomb (Paul A. Volberding from San Francisco General Hospital).

The situation of STD in tropical Africa has become very serious. The need for medical facilities and urgent treatment has become known and preventive measures have to be taken.

The existing statistics are also very high on the incidence of gonorrhea and many complications such as urethral stricture (due to gonorrhea), female genital infections, infertility, and eye infection of infants born to infected mothers accompany the disease. In fact, the incidence of gonorrhea is so high among some tribes that it has come to be known as a sign of puberty. In some areas of Africa, 80% of the work of urologists go toward treating urethral strictures due to gonorrhea. As in other countries, the sensitivity of gonococci is diminishing to penicillin and a decrease in sensitivity of gonorrhea has been reported in Uganda, Nigeria, Ethiopia, Kenya, South Africa, and Swaziland, in
The Effect of Islamic Rules In Controlling STD

Sexually transmitted diseases are a real threat in the 20th century and obviously, current measures have not been able to control these diseases. We will present solutions which are inexpensive, humanitarian, and more effective to fight sexually transmitted diseases all over the world.

- Following divine rules, especially the enlightening rules of Islam, creates the best cultural, political, and economic combination, directing the relationship of men and women in a way that sexually transmitted diseases do not get the chance to spread and penetrate into the society.
- To fight constantly prostitution, drug addiction, alcoholism, homosexuality and, other corruption factors in the society.
- Early (timely) marriages should be encouraged and divorce condemned. Islam gives excellent guidelines in this regard, prohibiting liberal sexual relationships. Since God knows the nature of these relations best, God's command is the best and most scientific in this regard.

In conclusion, it is quite evident and undeniable that divine laws, especially Islamic values, are the best and most scientific means to control sexually transmitted diseases. We recommend that the scientific world and health authorities of the world seriously consider these rules as a practical means of controlling STD before it is too late.

ACKNOWLEDGMENT

We would like to thank our colleague Dr. Milaninia in Iranian Transfusion Center and all other devoted persons working in this institute, for collecting the necessary data for this paper.

REFERENCES