

Feature**Gall-bladder Stone and Scarless Surgery**

by Dr Humayun Kabir Chowdhury

ONE less informed about the latest advancements in the field of medical treatment may ask, "What is this laparoscopic surgery that we nowadays hear so much about?" or might go on to say, "They say there will virtually be no scar on the abdomen, how is it possible?"

At the Diabetic Hospital, Dhaka, we are doing this treatment both on diabetic and non-diabetic patients. With the advancement of medical science, gall-bladder surgery has become much more comfortable and easy for the patients, within 48 hours a patient can come out of the hospital and start normal work within five - seven days. In America, in the year 1991, 6 lakh gall-bladders were removed and out of them four lakh were done with the aide of this advanced technique.

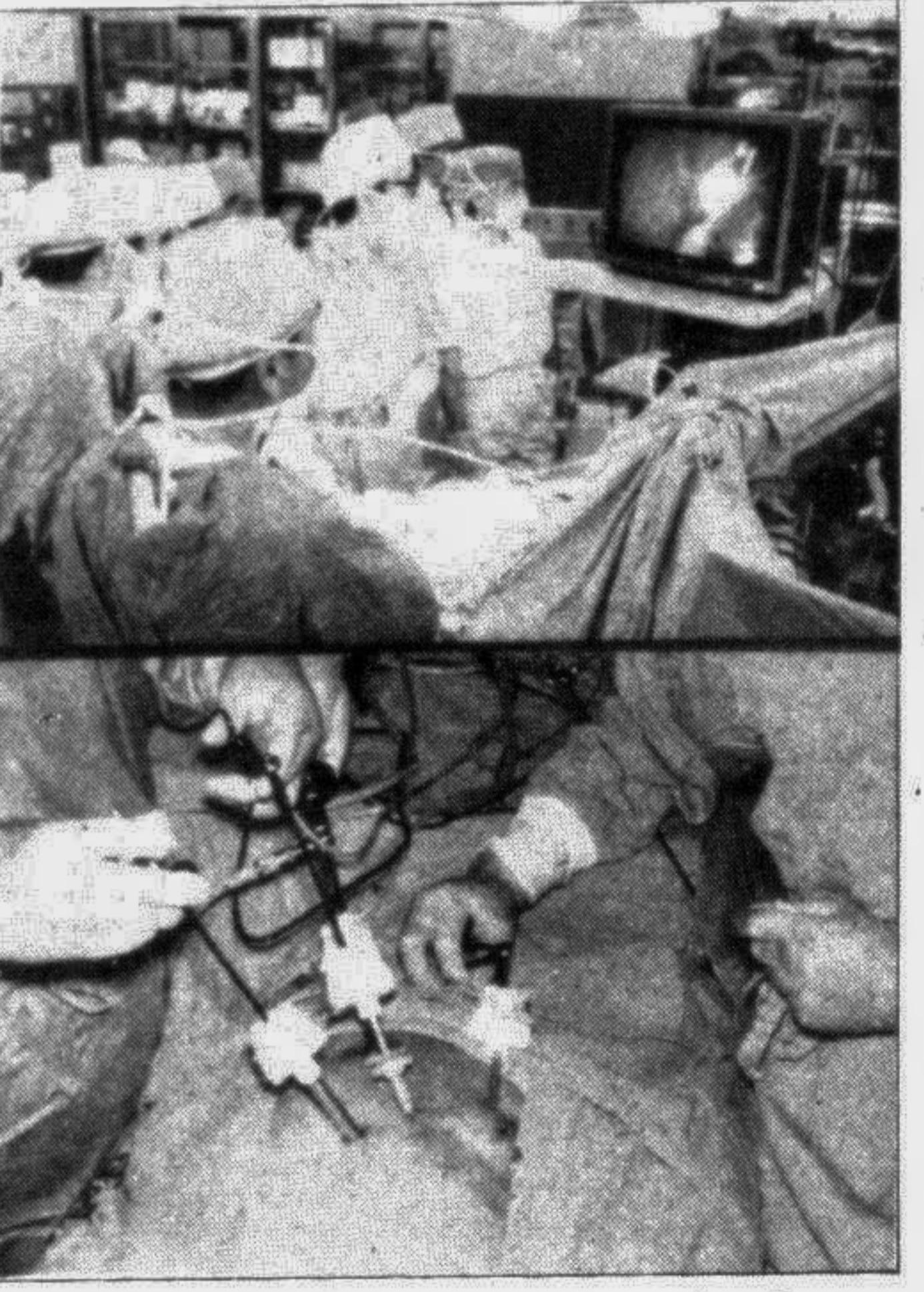
There are few organs in the human body which produce stone. Some start hurting immediately, others remain silently and some cause devastating effects. Kidney, urinary-bladder, pancreas, gall-bladder and bile duct are these organs.

This is not a new medical phenomenon. Scientists have found evidence of gall-stone in a mummy of a priestess of Arman from the 21st Egyptian dynasty (1085-945 BC). After that Chilean mummies from 2nd and 3rd centuries AD showed the presence of gall-stone. And now, probably every family has a member or relation with gall-stone, and two-thirds of these are treated by laparoscopic method. In Austria only 24 hospitals followed this procedure in 1990 and in 1991, 38 hospitals started doing laparoscopic surgery. One renowned surgeon from England named Cuschieri recently said, "There have been few instances in the history of surgical practice, where the benefits of a procedure became so clearly manifested within such a short period of time."

Gall-bladder is a special kind of store-house of bile, which is produced by the liver. Bile helps in digesting fatty food. In absence of gall-bladder this storing function is taken up by the bile duct. So gall-bladder is not essential for the function of

human body. Medical science has decided that if a gall-bladder produces stone then it should be removed from the body with the stone. Any way, there are situations when we decide not to do the operation for the greater benefit of the patient.

A surgeon from Berlin named Langenbuch first successfully performed the opera-



tion to remove gall-bladder in 1882. Since then it has become a common operation. But medical scientists always tried to find out other methods like dissolving the stone with medication, using extra-corporeal shock wave, lithotripsy by which stones are broken from outside, but none of the methods could stand the test of time.

Laparoscopy is a German word, derived from Lapara, meaning flank or loin, but generally referring to the abdomen. So the word laparoscopy means examination of the abdomen, but surgeons use this term when interior of the abdomen is examined with a special telescope introducing it through a small hole about 1 cm in length.

The writer is a consultant surgeon of Diabetic Hospital, Dhaka

drug therapy (MDT), which was introduced more than 10 years ago when the standard treatment based on the product, dapsone, became ineffective due to drug resistance.

Since the introduction of MDT in 1981, leprosy has been reduced by 75 per cent. It is a fairly complex regime involving three drugs — dapsone, rifampicin (an antibiotic) and clofazimine (a bacteriostat). These are administered for two

years for the more severe form of leprosy.

Patients receive daily doses of clofazimine (50mg) and dapsone (100mg) as well as larger monthly doses of rifampicin (600mg) and clofazimine (300mg).

The average cost of MDT is about US\$15 per patient. For successful elimination of the disease, Noordeen says it will be necessary to ensure that at least 85 per cent of all cases receive MDT up to the year 2000.

He adds, "Coverage at present stands at around 50 per cent which is too low to break transmission. We must redouble our efforts."

Health**Why Grandma Shaba has Her Hands Full**

by Green Siyani

A community project started in Malawi and spreading throughout the country aims to care for the dying and to educate and support the living. Its goal is to create an Aids-free generation within 15 to 20 years. Gemini News Service reports on the help it is giving to one grandmother who finds herself suddenly having to look after nine children.

and health authorities throughout Malawi have begun similar projects.

The project aims to care for the dying and to educate and support the living. Its ultimate goal is to create an Aids-free generation within 15 to 20 years. Project staff members teach people how to avoid risky behaviour and point out the need to be compassionate to those with Aids.

They also train community and hospital workers to care for Aids patients. The project was begun as a result of frightening statistics recorded at Ekwendeni Hospital, which serves 46,000 people in a rapidly growing educational, religious and shopping community.

Howard Kasila, project co-ordinator and the hospital's clinical officer, says: "In almost all these weekly tests, 25 of these patients are found to be HIV positive."

In 1989 this sobering information forced action on the 205-bed hospital. People in the community began to complain that they were ill equipped to care for Aids patients. The goal since the project began has been to make it possible for patients to remain in their own homes.

One such patient is Celus



GRANDMOTHER SHABA
One moment I had no worries in the world, the next nine children in my lap.

WHEN Marita Shaba celebrated her 63rd birthday in 1991, she expected the rest of her life would be plain sailing. She was wrong.

Two years later, Shaba is probably the busiest grandmother in the Ekwendeni area of northern Malawi. Soon after her birthday two years ago, her son-in-law, Langon Ngoma, died. He was the father of nine children from three to 18 years old. Seven weeks later, his wife, Maurice Kaunda, followed her husband to the grave.

Both died of Aids-acquired immune deficiency syndrome — and their deaths inevitably shifted the responsibility of raising their nine children to the grandmother. Her total property consists of a thatched house, a few pots, some plastic plates, several chickens and five mango trees in a field behind the house.

She said: "One moment I had no worries in the world, and the next, nine children landed in my lap. Can you begin to imagine what that experience must feel like?"

"Here I was, a poor old woman in a drought year being requested to take care of nine children. Where was I going to get the means to support them?"

Shaba, a smile perpetually on her face, has risen to the challenge. Part of her strength lies in an ambitious community-based effort known as the Ekwendeni Aids Control Project, initiated by the Ekwendeni Presbyterian Church. Religious

Jane fetches water from a hole near the river. She is one of the children helped by the Ekwendeni AIDS Control Project

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TB Comes Back with a Vengeance

by Dr Sanjiva Wijesinha

MOST infections diseases such as measles, chickenpox and mumps are characterised by the good news that once you recover you cannot get the disease again. This is because soon after these germs enter the human body defence mechanisms go into action to rid it of them and render it immune to future invasions.

Not everybody who gets a dose of infecting organisms suffers the typical symptoms of the disease. Quite a few of us, thanks to having a well developed immune system and receiving only a small dose of the infecting germs, do not even feel ill at the time we are acquiring lifelong immunity from these diseases.

This is why not everybody exposed to an infection comes down with the disease. It also explains how some infections affect some people badly while conferring immunity on the rest. What we call disease is, after all, the result of a face-off between the infecting organisms and the body's immune mechanisms in which the invaders get the upper hand.

With their immune systems out of action, they will almost certainly develop a rapidly progressive illness rather than subclinical infection.

For several reasons doctors find it difficult to make an early diagnosis of TB in AIDS patients — resulting in increased transmission of infection to others and death striking rapidly.

Treating TB patients is not

easy because the drugs have to be taken regularly for long periods to be effective. Failure to comply with therapy can lead

not only to a patient failing to be cured, but also to the development of bacilli resistant to

the usual drugs. Already, two large outbreaks of drug-resistant TB have occurred in Florida and New York.

In New York, which in 1992

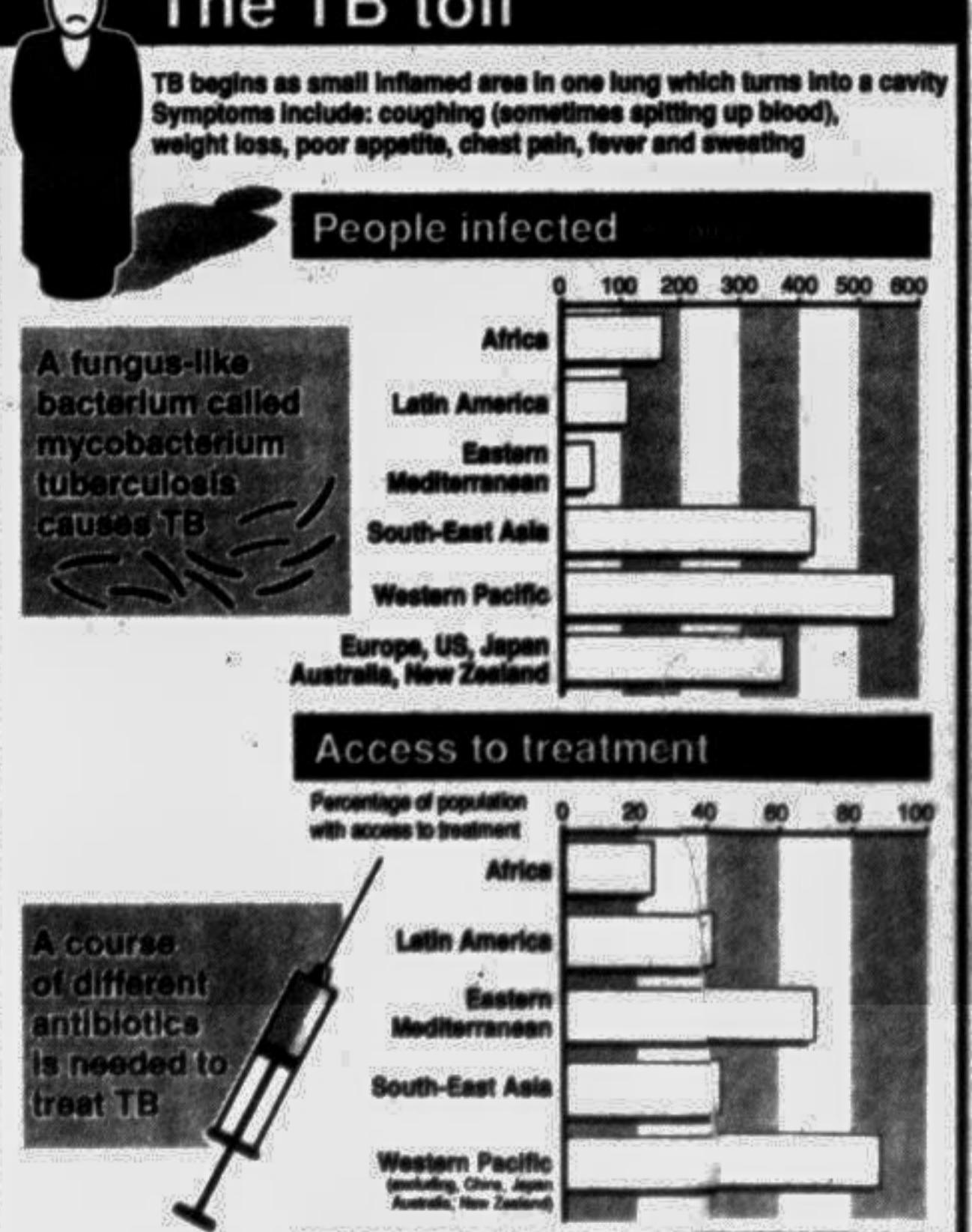
saw 3,700 new cases of TB, there are fears that people with TB will transmit the infection to the rest of the population.

Patients are being closely supervised and in some cases even isolated to ensure that their treatment is properly carried out under the supervision of health workers.

In the last two decades TB has been seen as a typical Third World disease, associated with poverty, overcrowding and malnutrition.

Now, in the more affluent parts of the world, it is not merely the few afflicted with poverty who fall victim to TB. The social changes wrought by affluence — such as intravenous drug abuse and changed sexual mores — have taken their toll on the population's state of immunity.

The Third World has learned to live with TB. In countries like the US, the re-emergence of TB seems to have caught the public health system off guard. A national TB Task Force has been set up and aggressive efforts are being made to control the epidemic and prevent the increase of drug-resistant TB.

The TB toll**An End to Leprosy?**

THE world may yet rid itself of a disease which, though not fatal, remains dreaded across the world because it often disfigures its victims.

According to doctors at the Geneva-based World Health Organisation (WHO), leprosy

can be eliminated as a public health problem worldwide by the end of the century.

The required technologies and strategies for leprosy control exist and so, it appears, does the political will to tackle the issue," says Dr Shail K. Noordeen, WHO leprosy unit chief. "We now have an opportunity to solve a major public health problem that cannot be missed."

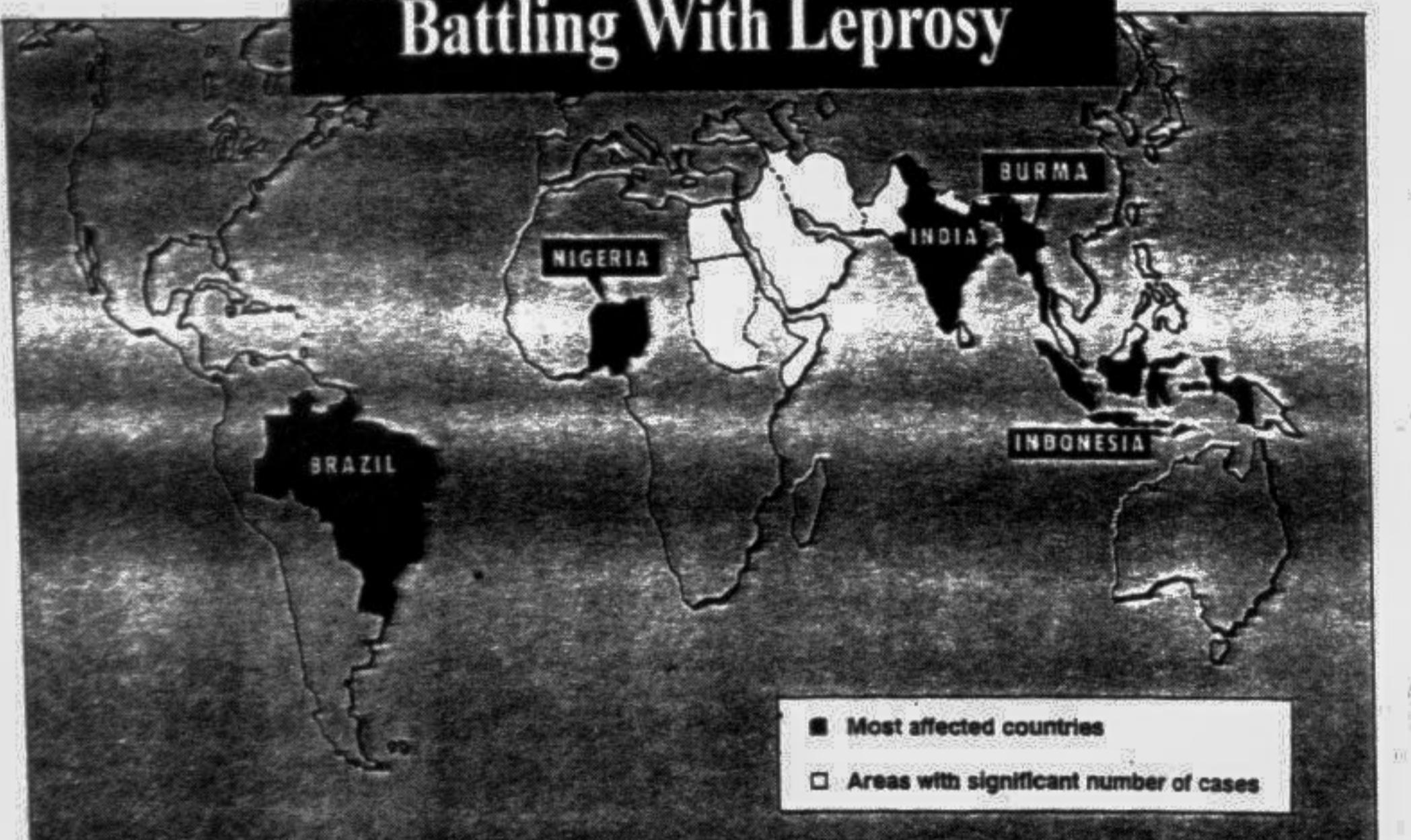
There are an estimated 3.1 million leprosy cases worldwide today, with the disease striking at least 600,000 new victims every year.

Health experts say leprosy is endemic in 87 countries, the worst affected region being Asia. India alone accounts for 64 per cent of all registered cases with Indonesia and Burma having a further six per cent.

The other badly affected countries are Nigeria and Brazil, which between them account for about 11 per cent of the cases across the globe.

Leprosy is prevalent in the Middle East but the true incidence of cases is not known. "Reporting is difficult in that region where, in general terms, leprosy has an especially negative image," says Noordeen.

Based on available records, the disease appears only endemic in Egypt where there are 30,000 registered cases in Iran which has 30,000 cases; Sudan with 32,000 cases and Pakistan 10,000. Somalia is also badly affected, but the situation there is complicated by famine and

Battling With Leprosy

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Running Related Injuries and Its Management

by Dr Mohd Ali Belal

Causes of Injury:

- Training errors
- Bio-mechanical abnormalities
- Inappropriate heel strike
- Improper rotation of the joints during running
- Improper extension and flexion of the joints.
- Inappropriate pelvic motion
- Bad posture and gait.
- Inappropriate shoes.

Sites of Injury:

- Knee as most dependent joint.
- Lower leg and foot injuries.
- Hip, buttock and back pain

Therapeutic Management and Preventive Measures:

- Rest to the affected part.
- Application of ice to the affected part later with moist heat for 15-20 minutes followed by gentle stretching exercises. If the symptoms persist he/she should consult a physician
- Anti-inflammatory medications, aspirin etc may alleviate symptoms.
- Intra-articular injection of steroids into the area of maximum painful part improves early symptoms.
- Surgery is rarely performed

for injuries caused by running except in absolute indication.

• In case of heat injuries evaporation of sweat becomes the principal means of dissipating heat.

• In heat cramps due to prolonged sweating, rest and replacement of water and electrolytes is the treatment.

• In heat exhaustion which is more severe than heat cramps needs stop to further running, elevation of feet and cool your body with ice or cold wet towels. In severe cases intravenous fluid normal saline or dextrose in normal saline may be used, on the basis of patient's clinical condition, blood pressure, electrolyte status and urinary output.

• Heat stroke cases must be hospitalized immediately.

Preventive Measures:

It includes a routine training, a good running surface, avoiding irregular surfaces, more warm-up exercises before running, appropriate running shoes, stretching and strengthening slowly and gently of the joints prevents many injuries. Orthotic devices also prevent biomechanical imbalances that cause running injury.