Neural tube defects, in particular spina bifida and anencephaly, are serious and relatively common congenital abnormalities worldwide. They also occur in South Africa and affect all population groups to varying degrees. The overall incidence in South Africa is approximately 1-2 per 1000 newborns. Higher incidences, up to 6 per 1000 newborns have been recorded in certain parts, especially in some rural areas of the country. In total as many as 1500 newborns could be affected by a neural tube defect each year. The precise aetiology of neural tube defects is still unknown.

Most anencephalic babies are stillborn and the remainder usually die within the first day. The mortality rate among patients with spina bifida is high. Many such patients can be treated, which includes repeated surgery and hospitalization, as well as antibiotic and orthopaedic management. Although treatment may be successful, most children with spina bifida will remain handicapped to a greater or lesser degree, both physically and/or mentally. They will continue to require life-long supportive medical services and care, as well as special schooling.

The Department of National Health and Population Development has taken note of this important development and especially of the scientific evidence in support of the recommended procedure (see publications listed below). In view of the proven beneficial effect of folic acid supplementation on the reduction of the incidence of neural tube defects, this Department strongly recommends that all women of childbearing age be informed of the benefits of periconceptual folic acid supplementation and be encouraged to make use of this treatment. In particular, it is recommended that women who already had a baby or close family member affected with a neural tube defect, be advised to use folic acid supplementation periconceptually when planning a subsequent pregnancy. According to published recommendations all women of childbearing age who are capable of becoming pregnant should consume 0.4 mg of folic acid per day for the purpose of reducing their risk of having a pregnancy affected with a neural tube defect. It is trusted that the medical profession, other health service providers and authorities countrywide will support the endeavour to reduce the risk for neural tube defects by the way of the procedure as recommended.

REFERENCES


