

# **A Provisional Study on the Pattern of Thyroid Disorders in Infants and Children in Saudi Arabia**

**SOAD EL-SHEIKH, F. EL-BEHAIRY, TAHA ALJAWADI, A.K. HUMEIDA\*, M.J. HARDY\*\*,**

*Department of Paediatrics and Biochemistry, College of Medicine and Allied Sciences, King Abdulaziz University Hospital, Jeddah, Saudi Arabia*

## **Abstract**

Over a 3 years period, 21 children with age range of neonatal period to 14 years with different thyroid disorders have been studied in King Abdulaziz University Hospital in Jeddah, Saudi Arabia.

Hypothyroidism was found to be the commonest thyroid disorder in 16 cases (76%), 14 were of primary origin and 2 were secondary. Hyperthyroidism was diagnosed in 3 (14%), one newborn and his mother had TBG deficiency and follicular thyroid carcinoma was diagnosed in one. There was delay in diagnosis of congenital and acquired cases of hypothyroidism. Mean age at diagnosis was 2.6 years (range 2 weeks to 10 years), This has resulted in clearly measurable degree of cerebral damage in more than 70%, which could have been prevented by neonatal screening program all over the Kingdom