A Study of developmental vertebral disorders among Egyptian children

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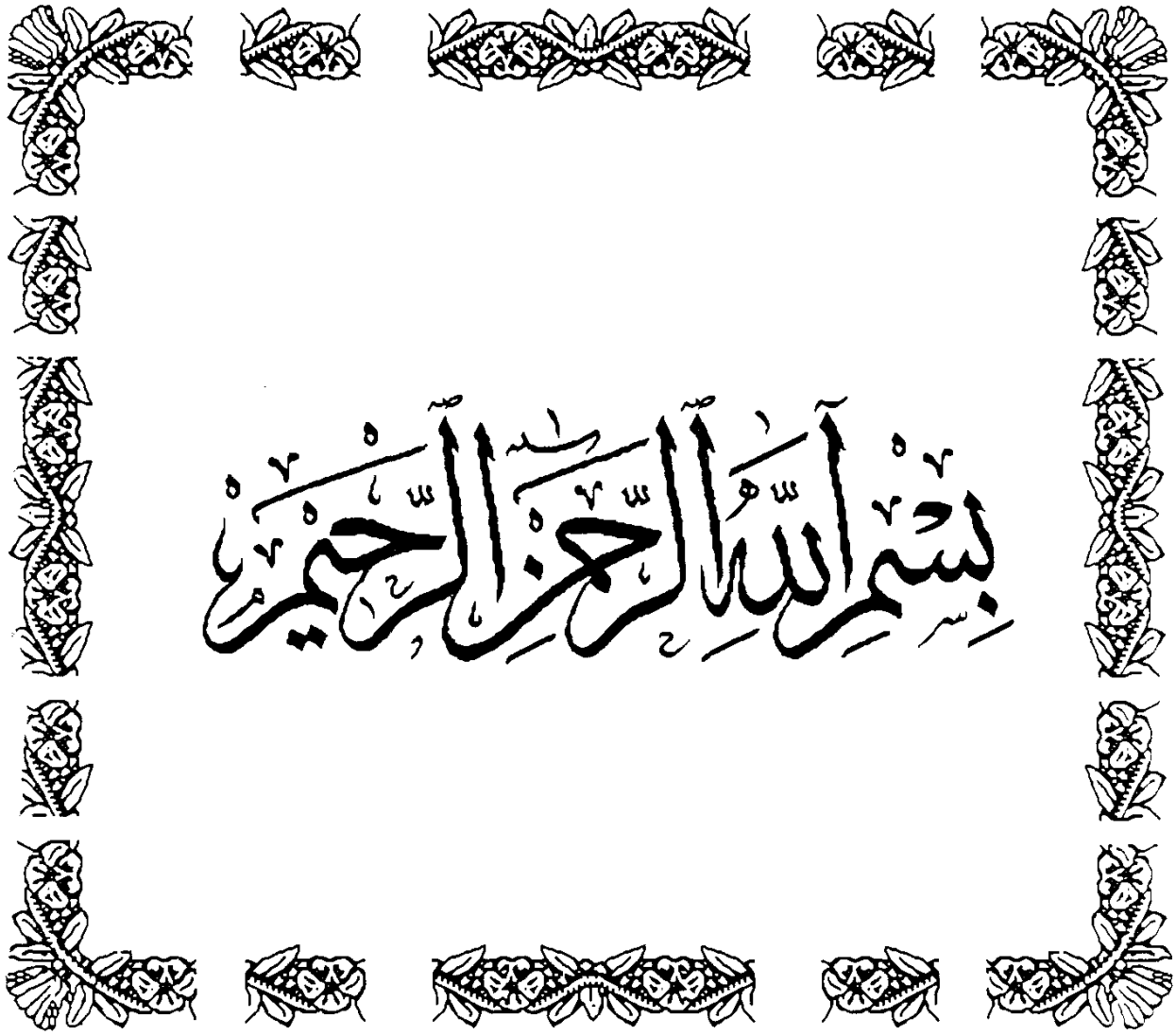

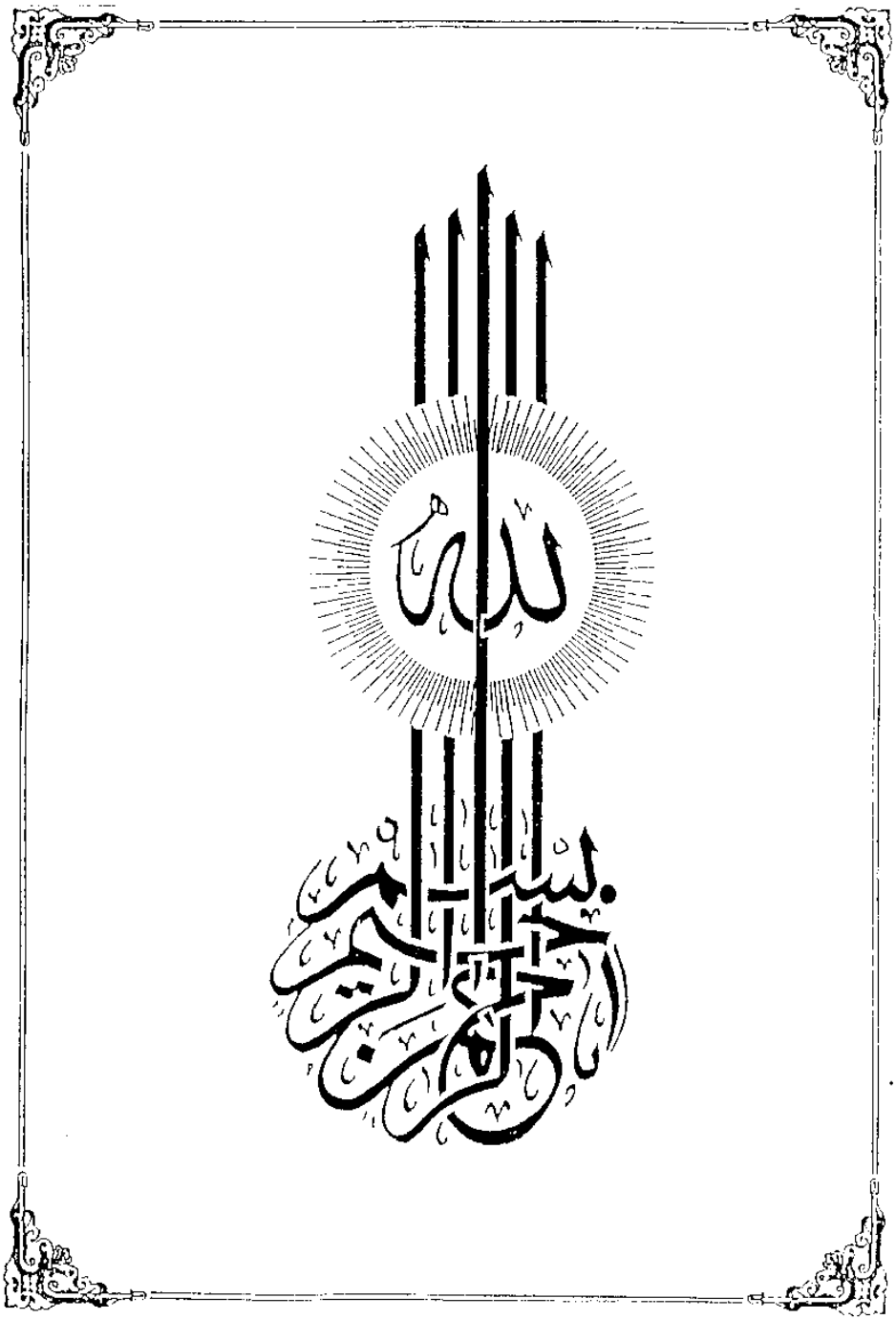

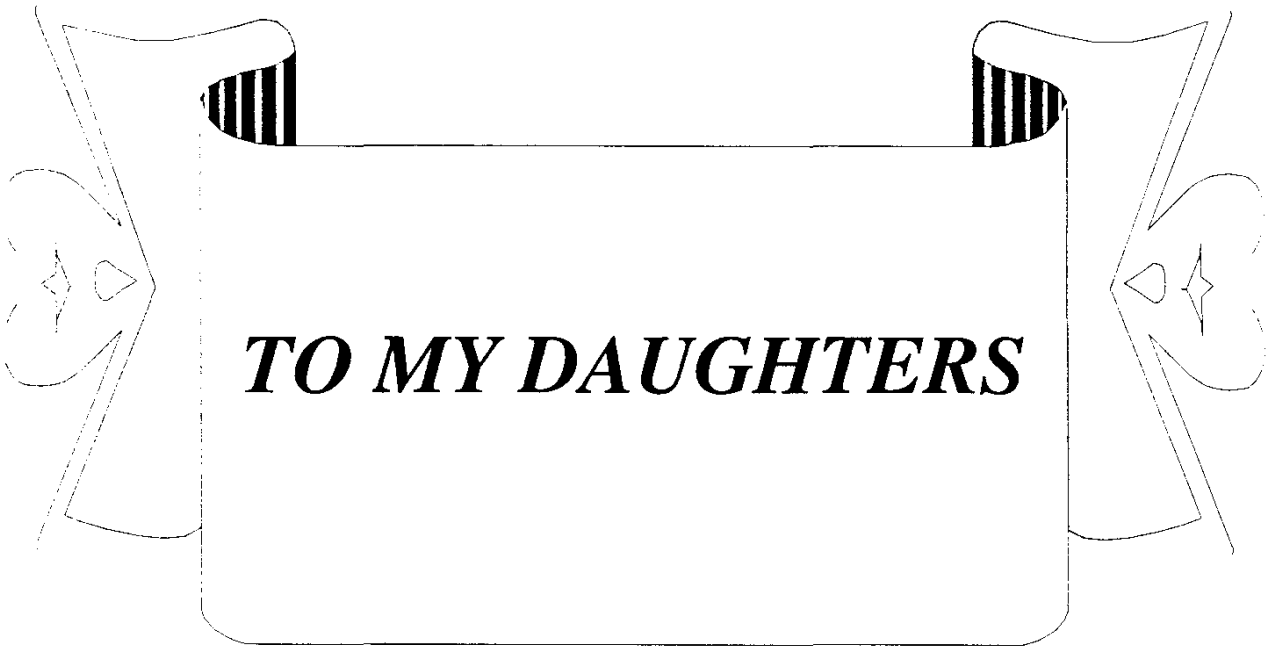

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CS	*Caesarean section*
CSA	*Congenital spinal anomalies*
OCD	*Osteochondrodystrophies*
Mis.	*Miscellaneous*
NSVD	*Normal spontaneous vaginal delivery*

INTRODUCTION & AIM OF THE WORK

INTRODUCTION

Congenital and developmental spinal deformities are common and potentially serious non traumatic musculo skeletal problems in children and adolescents. Deformities may involve the spine curvature, appearing as a frontal plane curvature–scoliosis and as sagittal plane curves of lordosis and kyphosis. Deformities may be static, whereas some progress with time and require therapy (Staheli, 1992).

Developmental disorders of the pediatric spine are a group of congenital malformations commonly referred to as spinal dysraphism.

These malformations are characterized by incomplete or absent fusion of midline mesenchymal, bony, and neural structures. They can be classified according to the presence or absence of an associated back mass (Byrd et al., 1991).

Beals and his associates (1993) reviewed 218 patients with congenital vertebral anomalies. They demonstrated that 61% of their patients had associated abnormalities affecting seven systems. The type of vertebral anomaly did not predict the location or type of associated abnormality.