

INTRAUTERINE GROWTH PARAMETERS IN
SUDANESE SINGLE LIVEBORN NEONATES BORN
BETWEEN 36 AND 42 WEEKS OF GESTATION

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ABSTRACT:

So far there are only two contributions on Sudanese newborn birthweights. In neither was birth weight related to gestational age.

The present study includes a purposively selected group of 400 deliveries in Omdurman Maternity Hospital and 200 deliveries in Omdurman Town between gestational ages 36 and 42 weeks. Diseased mothers or newborns and multiple pregnancies were excluded. Otherwise the sample was random. Six growth parameters (birth weight crown-heel length, triceps skinfold and head, chest and midarm circumferences) were measured. Means, standard deviations and percentiles were calculated for each week of gestation, for each sex separately, for first-borns and later-borns by the usual methods and for the above six dimensions. Smoothed curves were drawn.

Cumulative means, standard deviations and percentiles were then made, irrespective of sex or birth order for comparison with recent Scottish, Swedish and Canadian data.