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COAGULATION PROFILES IN NORMAL FULL-TERM NEONATE IN THE FIRST WEEK OF LIFE IN LAGOS-NIGERIA

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Abstract:

Ordinary reference estimations of haemostatic profiles are every now and again expected to aid analysis and the board of draining issue. As a result of the anatomical and physiological contrasts among neonates and grown-ups, it is basic to realize the reference scope of coagulation profiles in neonates in the principal seven day stretch of life. The point of this investigation is to build up a typical reference extend for coagulation profiles in ordinary full-term neonates in the main seven day stretch of life in Lagos-Nigeria.

Key words: Reference values, full-term neonates, prothrombin time, partial thromboplastin time with kaolin , thrombin time.

INTRODUCTION:
Methods

This is a cross-sectional examination completed among ordinary full-term neonates conceived in Lagos Island Maternity Hospital and Lagos University Teaching Hospital. Neonates' statistic information were reported. Citrated plasma was gathered and tried for Prothrombin Time (PT), Partial Thromboplastin Time with Kaolin (PTTK) and Thrombin Time (TT) utilizing Coatron M2 Coagulation Analyzer (TECO GmbH in Germany). Reference esteems were built up for neonates in the first seven day stretch of life by utilizing the equation of Mean ± 2 Standard Deviation (SD) that is at 95% certainty level. Similar investigation was completed between the mean estimations of neonates and grown-ups set up mean qualities.

Results

The Mean ± Standard Deviation of PT, PTTK and TT at the primary seven day stretch of life were 13.41 ± 1.33 seconds, 43.38 ± 6.75 seconds and 24.01 ± 3.03 seconds separately. Utilizing the equation of Mean ± 2SD, the reference scopes of PT, PTTK and TT were 10.7-16.07seconds, 29.88-56.88 seconds and 17.95-30.07 seconds individually. Measurably noteworthy distinction was seen when mean estimations of PT, PTTK and TT of neonates at the first seven day stretch of life were contrasted and grown-ups set up qualities done in the nation and somewhere else on the planet (p-esteem < 0.05).

CONCLUSION

Reference extends in coagulation profiles are one of a kind in neonates and grown-up reference scopes of PT, PTTK and TT may not be helpful in overseeing neonates in the main seven day stretch of life. Hence, it is fitting to set up Neonatal reference scope of coagulation profiles in our networks.

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