

STILLBIRTH AT 35 WEEKS, FAILED INDUCTION OF LABOR AND THE HYPERCOILED CORD

RICHARD NSUBUGA KATO*¹

1. KIBOGA HOSPITAL / MAKERERE UNIVERSITY COLLEGE OF HEALTH SCIENCES
DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

SUMMARY

- HISTORY ...G3P2+0
- INVESTIGATIONS ...CBC, SCAN
- EXAM ... STABLE, OS CLOSED
- IDONE... INDUCTION OF LABOR
- RESPONSE ... POOR
- MODE OF DELIVERY...EMCS
- BABY ...MSB, 2KG HYPERCOILED CORD, CLUB FEET

objective

HIGH THE IMPORTANCE OF ANTENATAL FETAL MONITORING AND SOCIO-ECONOMIC EMPOWERMENT OF PREGNANT WOMEN

INTRODUCTION

HYPERCOILING REFERS TO MORE THAN 0.3 COILS/CM OF THE UMBILICAL CORD. IT IS ASSOCIATED WITH INTRAUTERINE FETAL DEATH(IUFD)(1)(1)(1)(1)(1)(1)



DISCUSSION

WITH ENHANCED PRENATAL IMAGING

USING 2D AND 3D OBSTETRIC ULTRASOUND SCAN. OTHER THAN CORD HYPERCOILING, OTHER CORD ANOMALIES LIKE TRUE KNOT, CORD STRICTURE SINGLE UMBILICAL ARTERY, SUPERNUMERARY VESSELS AND HEMANGIOMA ARE DOCUMENTED CAUSES OF FETAL VASCULAR COMPLICATIONS, GROWTH RESTRICTION AND FETAL DEMISE ESPECIALLY IN CASES WHERE THE CORD LESION IS AT THE FETAL END OF THE UMBILICAL CORD. THIS CASE REPORTED HAD NO WHARTON JELLY NEAR THE UMBILICAL RING. (SEE ARROW) INCREASING POSSIBILITY OF A STRICTURE BLOCKING BLOOD FLOW TO AND FROM THE FETUS

REFERENCES

1. Jonathan C Slack TKBCKC. Recurrent Second Trimester Fetal Demise Caused by Hypercoiled Umbilical Cords. Fetal and Pediatric Pathology. 2022;42(3).
2. Gabriel Tonni ML, Alessandro Cecci, Elisa Carboni, Serena Resta, Maria Paola Bonasoni, Rodrigo Ruano. Umbilical Cord Diseases Affecting Obstetric and Perinatal Outcomes. Healthcare. 2023;11(19):2634.
3. J. Nishio YM, M. Imanaka, S. Ogita. Characteristics of blood flow in intrauterine growth-restricted fetuses with hypercoiled cord. Ultrasound Obstet Gynecol 1999;13.
4. Kalluru PKR KH, Allogoddo TR, Talur M, Gonepogu MC, Gupta S, . Abnormal umbilical cord coiling and association with pregnancy factors. J Turk Ger Gynecol ASSOC. 2024;25(1):44-52.
5. Kalluru PKR KH, Allogoddo TR, Talur M, Gonepogu MC, Gupta S, . umbilical cord coiling and association with pregnancy factors. J Turk Ger Gynecol ASSOC. 2024;25(1):44-52.
6. Dutman AC NP. Umbilical hypercoiling in 2nd and 3rd - trimester intrauterine fetal death. Pediatr Dev Pathol. 2015;18(1):10-6.



CONTACT

RICHARD NSUBUGA KATO

healthrecess@gmail.com / nsubugakrichard@yahoo.com

