PULSUS
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15 YEARS IN ASSESSING THE IMPACT OF HEALTHCARE RESEARCH

ISSN: 2632-251X, Volume 06

5th World Congress on

WOMEN'S HEALTH AND MIDWIFERY

January 10, 2022 | Webinar

Klippel–Feil Syndrome: A Rare Case Report

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Background: Klippel–Feil Syndrome (KFS) is defined as a congenital fusion of two or more cervical vertebrae. The most common signs are short neck, low hairline at the back of the head, and restricted mobility of neck.

Case description: A term, female child weighing 2,522 g was born to a 34-year-old, a third gravida mother with a previous history of two cesarean sections. She was delivered by an elective cesarean section and had Apgar scores of 4 and 6 at 1 and 5 minutes, respectively. Ultrasound done at 22-week gestational age showed a single, viable fetus with hydrocephalous, short broad neck, and extended limbs. After adequate obstetric, genetic counseling and given all the information about the risks involving this pregnancy, the parents opted for conservative management without any intervention. On examination, she had the typical triad of KFS, including very short neck, low occipital hairline, and reduced bilateral neck movements. The child died immediately due to respiratory distress. Her parents refused to consent for postmortem scanning.

Conclusion: Although KFS is a rare syndrome encountered less commonly and a classical triad is present in almost 50% cases, one should closely investigate for other anomalies associated with it for better, early management and rehabilitation.

Keywords: Cervical fusion, Ian Donald ultrasound department, Khartoum, Klippel–Feil syndrome, Sudan, Ultrasound

Biography

Sally Damra Elnour graduated from Gazira University, Faculty of Medicine. She has Clinical MD in Obstetrics and Gynecology from Sudan Medical Specialization Board, February 2016. She is assistant professor of Alneelain University, Khartoum /Sudan. She has Master degree of Advanced Obstetrics and gynecology ultrasound at Ian Donald School and Master of Health Professional Education (MHPE) at Sudan specialization Board started 2021. She has over 5 publications, and she is reviewer in Women's Health Journal.

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