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**Abstract**

**Title:** Twin’s death investigation at a Hospital, Barclayville District, Grand Kru County, April 2019

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**Background:** Neonatal death is a death of a newborn at birth or within 28 days of life. The average global neonatal death rate is 18 deaths per 1,000 live births. On the 13th of April 2019, the Surveillance focal person of Rally Time Hospital notified the District Surveillance Officer of neonatal deaths involving twice. Immediately a team was set up to investigate with the aim to determine the cause of the deaths, identity risk factors and recommend actions to prevent future occurrence.

**Methods:** During the investigation, we used questionnaire designed by the Ministry of health and National Public Health Institute of Liberia to interviewed healthcare providers, we reviewed the patients’ medical records and summarized our findings descriptively.

**Results:** On the 13th of April 2019, a 26 year-old woman from Gbanken community gave birth to twins at the Hospital at 32 weeks of gestation. The neonates were born with low birth weights (1kg and 1.2kg), pulse (38b/m and 36b/m), difficulty with breathing, not sucking well and poor Apgar score (4:10 and 5:10). The neonatal were given cardio pulmonary resuscitation (CPR) but could not receive oxygen therapy due to the lack of electricity and mal-functioning incubators. Three hours later, the neonates became cyanotic, started to grasp for breath before dying. Cause of their deaths were prematurity and low birth weight.

**Conclusion & Recommendations:** These were confirmed neonatal deaths that occurred. The deaths occurred as a result of prematurity and low birth weight. Therefore, we recommend to the Ministry of Health to strengthen health services at the referral hospital in Grand Kru County.

**Keywords:** Neonatal and preterm

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