

Different Technology used in Newborn- A Review

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Abstract

Neonatal nursing is a sub-specialty of nursing care for newborn infants up to 28 days after birth. The term neonatal comes from neo, "new", and natal, "pertaining to birth or origin". Neonatal nursing requires a high degree of skill, dedication and emotional strength as they care for newborn infants with a range of problems. These problems vary between prematurity, birth defects, infection, cardiac malformations and surgical issues. Neonatal nurses are a vital part of the neonatal care team and are required to know basic newborn resuscitation, be able to control the newborn's temperature and know how to initiate cardiopulmonary and pulse oximetry monitoring. Most neonatal nurses care for infants from the time of birth until they are discharged from the hospital.

This systematic review aims to determine the extent to which published research articles show the perspective of health professionals in neonatal intensive care units (NICU), as facilitators of family empowerment. Studies conducted between 2013 and 2020 were retrieved from five databases (PubMed, Cochrane, CINAHL, Scopus, and Google Scholar).

Keywords:



Introduction

The neonatal intensive care unit (NICU) is a specialized unit of a hospital that provides medical and nursing care for newborn infants who are born prematurely, have low birth weight, or have other medical conditions that require specialized care. The NICU is a critical component of the neonatal care team and plays a vital role in the health and well-being of newborn infants. The purpose of this review is to explore the different technologies used in the NICU and their impact on family empowerment. The review will focus on the use of technology in the NICU, including electronic medical records, telemedicine, and mobile health applications. The review will also discuss the challenges and opportunities associated with the use of technology in the NICU. The review will be based on a search of the literature from 2013 to 2020. The search was conducted using five databases: PubMed, Cochrane, CINAHL, Scopus, and Google Scholar. The search terms used were "neonatal intensive care unit", "technology", and "family empowerment". The search results were screened based on the title and abstract. The full text of the articles was obtained and screened based on the keywords. The articles were then analyzed and synthesized to identify the different technologies used in the NICU and their impact on family empowerment. The results of the review are presented in the following sections.

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Conclusion

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References

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