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NAVIGATING THE BENEFITS AND CHALLENGES OF ECG MONITORING AND ITS INTERPRETATION

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ABSTRACT

This paper is based on point focus on benefits of ECG monitoring. Also, the exploring strategies for overcoming obstacles and optimizing the use of ECG technology to improve patient outcome. In this paper we focus on nursing student's knowledge regarding ECG monitoring. Also, we focus on challenges of B.Sc. nursing student because they have lack of practice on ECG monitoring and interpretation. We focus on enhancing nurse's knowledge and advance practice on monitoring and it's interpretation.

Key Words: ECG, Monitoring, interpretation, Benefits, Challenges.

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INTRODUCTION

ECG monitoring and interpretation is a key step to assess patient cardiac condition and electrolyte imbalance among critically patient admitted in emergency care unit and critical care unit.

ECG monitoring is essential in care of heart palpitations, unexplained tainting, suspected atrial fibrillation, unexplained stroke, atrial fibrillation management.

An electrocardiogram (ECG or EKG) is a non-invasive medical test that measure the electrical activity of the heart. It records the hear electrical impulses as they travel through the heart, providing valuable interpretation about the hears rhythm rate and function.

Need of monitoring and it's interpretation result:-

ECG monitoring and interpretation enhance nursing student ability to provide quality care to the critically ill patients.

- Accurate ECG interpretation enables early identification and management of cardiac arrhythmias reducing the risk of complications.
- Nursing students can make informal decision about patient care including recognizing when to seek urgent assistance.

FUTURISTIC SCOPE IN NURSING

- Mastering ECG monitoring and interpretation instils confidence in their abilities prepare them for real world nursing challenge.
- Career advancement in developing expertise in ECG monitoring and interpretation.
- ECG monitoring and interpretation can open up opportunity for specialization in critical care or cardiology.

CHALLENGES IN LEARNING ECG IN NURSING EDUCATION

Although specialized come available for nurse but nursing students face a lot of problem which includes lack of knowledge and skills, complexity of "rhythms", variability in ECG facing difficulty in identifying subtle changes, limited clinical experience, difficulty in correlating ECG finding with patient symptoms, keeping up with updates and advancements, time management, communication barrier and legal and ethical implication.

By acknowledging and addressing these challenges, nursing students can improve their ECG monitoring and interpretation skill providing high quality care for their patients.

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