Introduction

PICOT

• In nurses who take care of preeclampsia women how does education on preeclampsia management and care compare with no supplemental education on preeclampsia management and care affects nurses knowledge on the management and care of preeclampsia.

Literature Search

Databases: CINHAL, Scopus, PubMed

Search parameters: peer reviewed articles, published within the past 5 years

Keywords: preeclampsia, education, magnesium sulfate, early education, prenatal care, aspirin

Current Evidence

We included 16 Articles

• The frequency of Antenatal Care effects maternal and fetal outcomes
• Accurate BP measurement is essential to correct and timely care
• A daily aspirin prevents preeclampsia
• Proper 24hr Urine Collection is essential to diagnose preeclampsia
• Magnesium Sulfate first line drug
• Oral Nifedipine recommended over IV Labetalol
• Oral Diltiazem recommended over oral Nifedipine
• Nursing staff and patients show a significant lack of knowledge and education regarding preeclampsia signs and symptoms as well as management.

Outcomes

• When comparing the data between our pre and post assessments, there was a significant increase in knowledge after reviewing our educational PowerPoint. Nurses had become more educated on care and management of preeclampsia, which will in turn will improve preeclamptic patient outcomes.

Lessons Learned:

• We could have presented to antepartum and L&D floors within the same hospital to determine similarities and differences between knowledge
• Further studies could be done on preeclamptic patient outcomes after nurses have been educated consistently.
• Increasing the amount of education given on preeclampsia to obstetric nurses
• Study differences on types of educational material given among hospitals for most effective outcomes

Education Plan

Place: UCMC & Good Samaritan Hospital

Presented to: Nursing Staff on Labor and Delivery/Antepartum units

Purpose: To educate nurses on preeclampsia patient education, management, treatment, and inpatient nursing care.

Objectives:

• Nurses to feel confident in educating their patient on Preeclampsia management and care
• Be able to understand how to take an accurate blood pressure reading
• Be able to understand how to collect a 24-hour urine test properly
• Be able to understand and discuss the various types of medications used for preeclampic patients

Method: Emailed educational PowerPoint presentation video to nurses to watch. Supplied links to pre and post test to assess knowledge known and gained

Pre and Post Test Questions

1. What is the purpose of using Magnesium Sulfate in preeclamptic women?

2. When measuring blood pressure, if both arms are consistently reporting different pressures (<10 mmHg) what should you do?

3. What effect does education programs on preeclampsia have for preeclamptic patients? (SATA)

4. When should at risk preeclampsia pregnant women begin using aspirin as a preventative measure?

5. What are some of the serious side effects of Nifedipine? (SATA)

References


