Inpatient Data Analysis: Paired Descriptive Educational seminar conducted by clinical nurse specialist, 4 classes offered
Included weekend and off shifts
Posttest conducted following seminar.

• Assess whether or not CIPN education increased PT/OT management of CIPN.
• Assess if the educational intervention altered development.
• Determine the knowledge base and assessment practice of oncology nurses.

Our study objectives:
1. Determine the knowledge base and assessment practice patterns of Cone Health oncology nurses.
2. Assess whether or not CIPN education increased Cone Health oncology nurses’ knowledge of clinical manifestations of CIPN and the agents most closely associated with it’s development.
3. Assess if the educational intervention altered Cone Health oncology nurses’ practice behaviors related to assessment and management of CIPN.
4. Assess whether or not CIPN education increased PT/OT referrals.

Methods
- Inpatient and outpatient oncology nurses surveyed prior to educational seminar.
- Educational seminar conducted by clinical nurse specialist, certified oncology nurses, and physical therapists.
  - 4 classes offered
  - Included weekend and off shifts
  - Posttest conducted following seminar.
- Data Analysis:
  - Descriptive statistics
  - Paired t-tests: 25 matched surveys

Results

- **CIPN Essential To Nursing**
  - 95% believe CIPN essential to role

- **Individual Questions**
  - Knowledge-Based Questions
  - Pretest: 25-25
  - Posttest: 25-25

- **Overall Improvement in Knowledge**
  - Overall value changed from 82.63% (pretest) to 93.04% (posttest) p-value of 0.01

Discussion
Overall, the education on CIPN showed a significant increase in oncology nurses’ knowledge. Therefore, additional education will be completed with the oncology nurses who have not attended a seminar via computer-based learning (CBL) and/or additional classes. Also, adequate referral processes need to be assessed in the future to increase these specific referrals to Physical Therapy (PT) and Occupational Therapy (OT).

Implications
Based upon results of the data analysis the next step would be to focus on a more formal nursing assessment of CIPN by adopting a validated tool and increasing our number of referrals for PT/OT. Our plan is to keep the focus on CIPN assessment and referrals through daily nursing “Huddles”, in-patient weekly newsletter, Cone Health Cancer Center weekly update and developing a CBL for those unable to attend a class.

References

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