

ADVANCED PRACTICE NURSES: THE KEY TO DECREASING CANCER PATIENTS TIME IN EMERGENCY DEPARTMENTS

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Background

- Overcrowding of EDs – a worldwide issue [1- 3]
- Linked to poor patient outcomes [1-5]
- NEAT and NEAT like targets [6,7]
- Cancer patients [8-10]
- Advanced Practice Nurses [6,11]

Background

Brisbane



Background

Princess Alexandra Hospital



Aim

To investigate whether NEAT-like targets are achievable with interventions led by advanced practice cancer nurses (APCNs) when cancer patients present in the ED.

Systematic Review

Q. Can an oncology advanced practice nurse led assessment and triage intervention improve national emergency admission targets (NEAT) for cancer patients presenting to the emergency department?

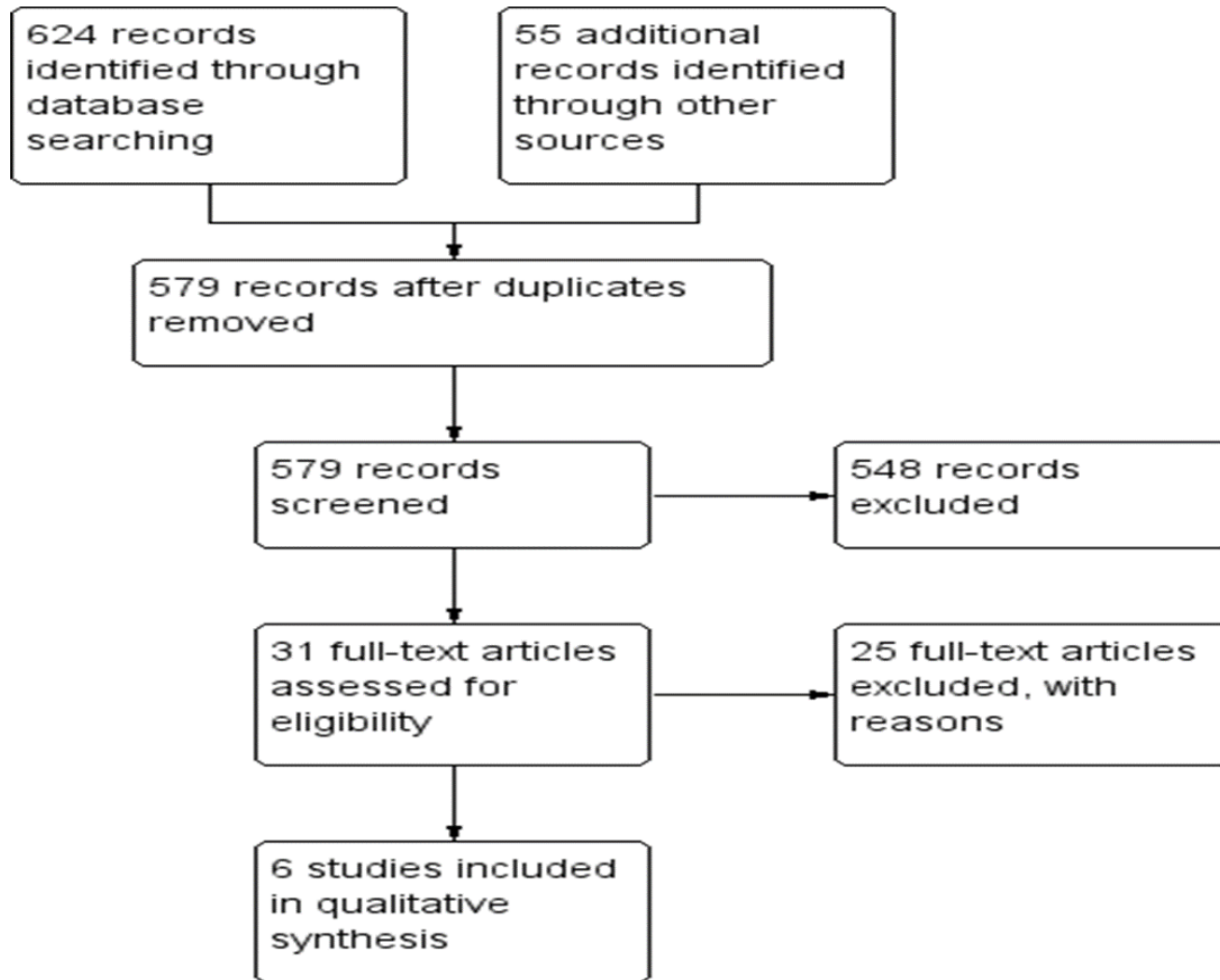
Inclusion & exclusion criteria

- **Inclusion**
 - RCTs
 - Adult patient's presenting to ED
- **Exclusion**
 - Non RCTs

Methods

- Search - CINAHL (EBSCOhost), Cochrane Central Register of Controlled Trials (CENTRAL) and Medline (EBSCOhost)
- Titles, abstracts and full texts identified by the search strategy were independently assessed by two review authors
- Data was extracted using a piloted data extraction form.

Results: Search results



Results: Risk of bias

Author	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Chang 1999	?	?	-	+	+	-	?
Clarke 2002	+	+	-	-	?	+	?
Cooper 2002	+	+	-	-	+	+	?
Dinh 2012	+	?	-	-	-	+	?
McClellan 2013	?	+	-	+	+	+	?
Sakr 1999	+	+	-	-	+	+	?

Results: Effects of interventions

- Nurse-led interventions reduced ED LoS
- Patient's were very satisfaction with the care of advanced practice nurses
- No significant effect of nurse-led models on adverse events
- Cost-effect data showed that nurses may be more expensive than doctors
- No meta analysis could be done.

Discussion

- No studies investigating cancer patients in ED
- Poor advanced practice nurse role definition
- Previous systematic reviews
- Cost-effect data difficult to translate

Conclusions

- No studies in cancer patients presenting to ED (however, there have been studies done of this with lower level evidence).
- Some evidence indicates that APCN roles in the ED might target and patient satisfaction.
- Rigorous research is needed

SR Publication

Thamm, C., Teleni, L., Chan, R., Stone, L., & McCarthy, A. (2018). Nurse-led interventions for cancer patients in emergency departments: Systematic review. *Collegian*.
doi:10.1016/j.colegn.2018.08.005

Future Directions

- Project to investigate early intervention and triage in ED
- Data
 - Survey
 - NEAT data
- Inform future nurse-led services

Acknowledgements

Team

PAH Division of Cancer Services
Prof Sandie McCarthy
Prof Ray Chan
Laisa Teleni
Leanne Stone
Doreen Tapsall
Catherine Kirk
Desiree Edeling
Sandra Gleaves

Funding

CNSA

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