

Journée de la Recherche
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Predictive validity of Braden total score and mobility score on hospital-acquired pressure ulcers and the association with the prevention interventions

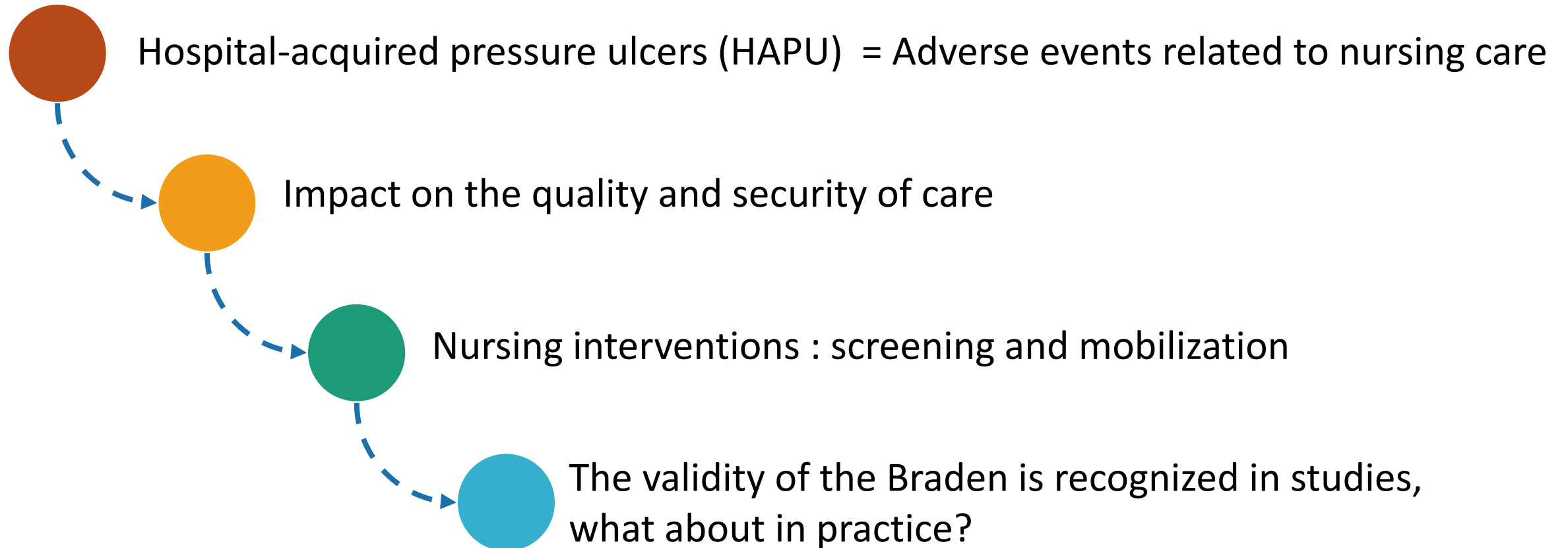
Sophie Pouzols, MScSN, RN

Master thesis under the direction of Cédric Mabire, PhD, RN



Département de Médecine

Introduction





Aims

1

Compare the **predictive values** of the **Braden total score** and the **mobility dimension score** on the **development of HAPU**

2

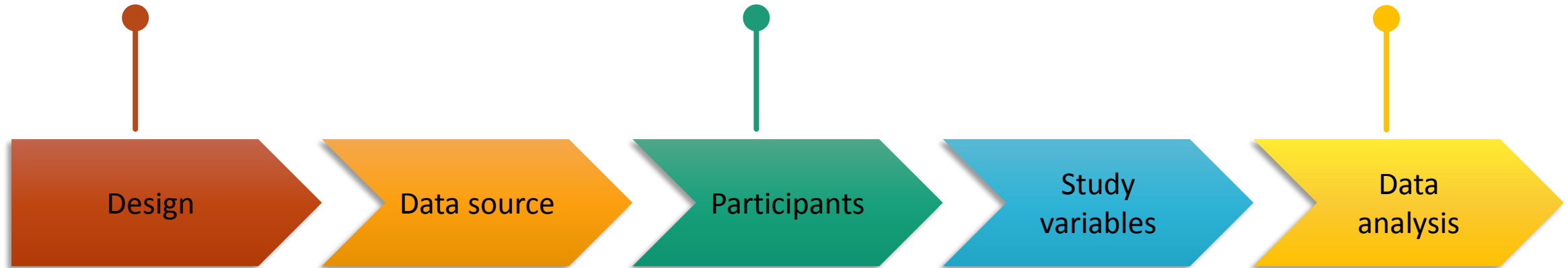
Measure the **moderating effect of prevention interventions** between the **level of risk** (based on the Braden total score and the mobility dimension score) and the **prevalence of HAPU**

Design and Method

Correlational descriptive design , secondary analysis of routine data

Patients over 18 years hospitalized on medical or surgical wards without PU on admission

Descriptive statistics and multivariable logistic regressions



Data from the health electronics records between March 1, 2016 and March 31, 2018

Outcome = HAPU
Predictors = Braden total score and Braden mobility score
Moderators = mobilization interventions
Confounding factors

Results

Predictive validity

Braden total score	OR
High Risk (6-12)	13.9*
Moderate Risk (13-14)	8.5*
Low Risk (15-18)	4.2*
Braden mobility score	OR
Completely immobile (=1)	17.2*
Very limited (=2)	11.3*
Slightly limited (=3)	4.1*

* $p < 0.05$

Moderating effect of interventions

Interaction Braden # intervention	OR
High Risk # intervention	0.5
Moderate Risk # intervention	0.5*
Low Risk # intervention	0.6*
Interaction Mobility # intervention	OR
Completely immobile # intervention	0.5
Very limited # intervention	0.7
Slightly limited # intervention	1.1

* $p < 0.05$

Conclusion and implications

Screening with the Braden scale and mobilization interventions work in clinical practice.

Continue with these good practices!

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