

BUNDLE OF CARE INTERVENTIONS IN IMPROVING PATIENTS OUTCOMES

Josephine M. De Leon RN, PhD

Associate Professor

Centro Escolar University, Manila

School of Nursing and Graduate School

Member, House of Delegates

Philippine Nurses Association

Zone 1 Manila Chapter



Bundle of Care Interventions in Improving Patients Outcomes

AASA NAST PHIL INTL SYMPOSIUM | 21-23, SEPTEMBER 2017 | TAAL VISTA HOTEL, TAGAYTAY CITY PH.

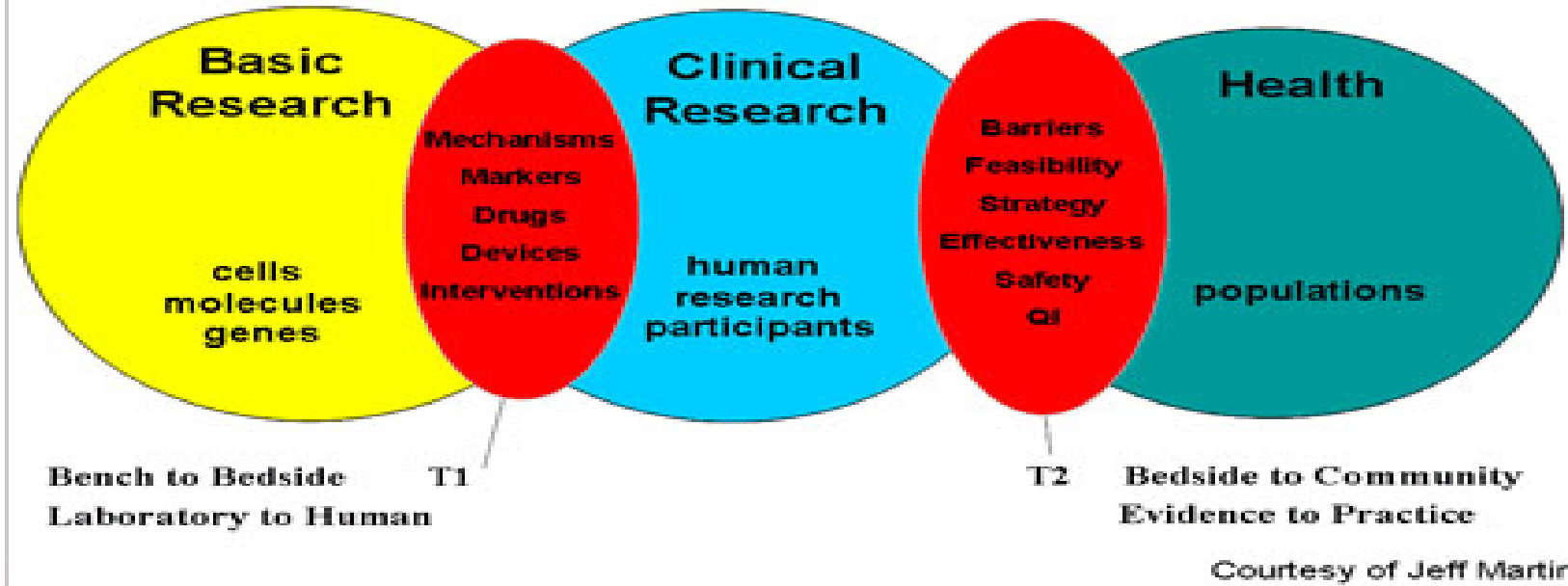




“There are not two sciences. There is science, and the application of science, and these two are linked as the fruit is to the tree.” —Louis Pasteur



Definition of Clinical and Translational Research



The perspective of nurse scientists is vital to identifying the most effective strategies to accelerate translational research (Grady, 2010).

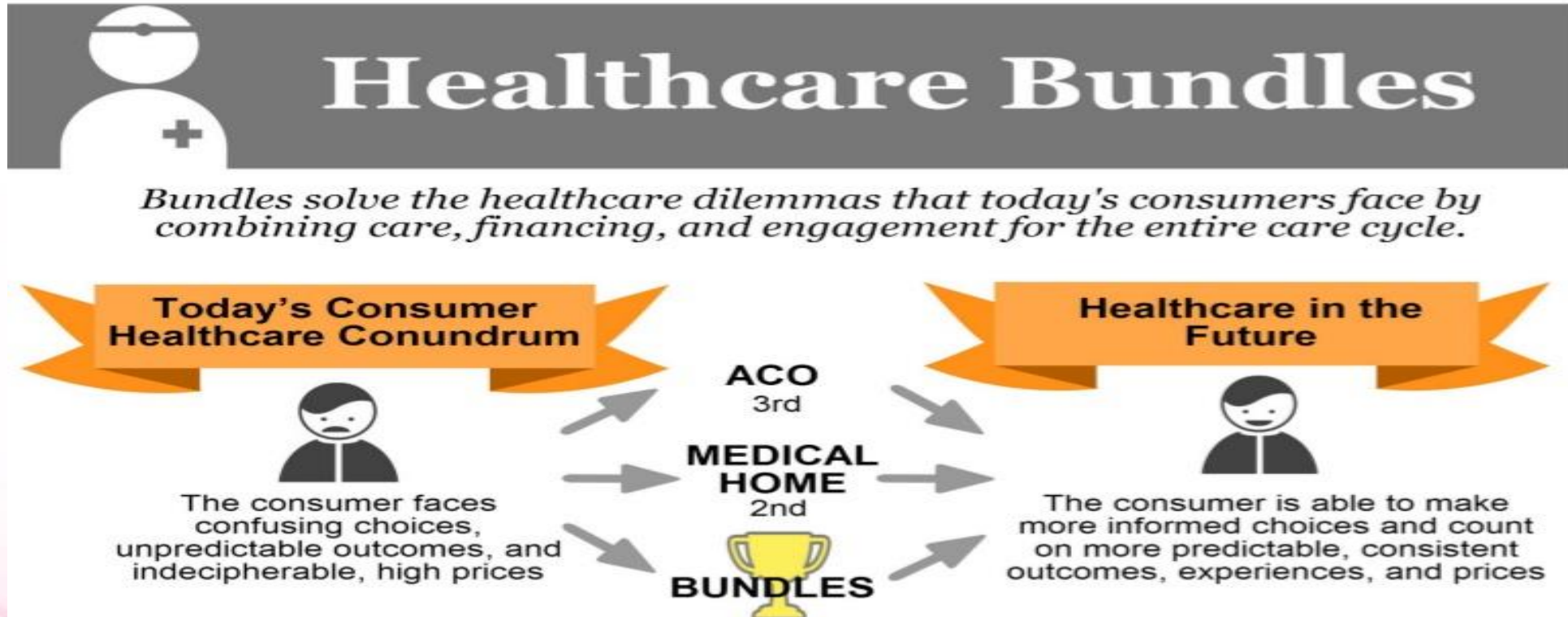


Bundle of Care Interventions in Improving Patients Outcomes

AASA NAST PHIL INTL SYMPOSIUM | 21-23, SEPTEMBER 2017 | TAAL VISTA HOTEL, TAGAYTAY CITY PH.



strategy&



A bundle of care is a grouping of evidence based practices that individually improve care, but when applied together, result in substantially greater improvement (Institute for Healthcare Improvement, 2012).

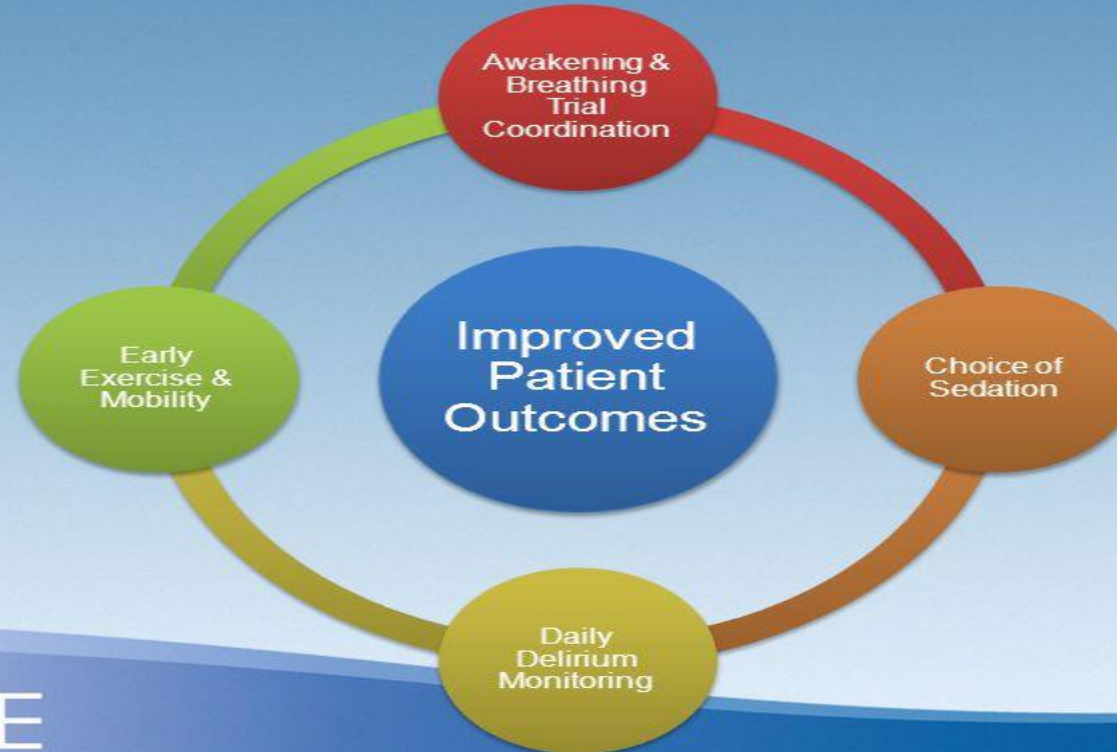


Bundle of Care Interventions in Improving Patients Outcomes

AASA NAST PHIL INTL SYMPOSIUM | 21-23, SEPTEMBER 2017 | TAAL VISTA HOTEL, TAGAYTAY CITY PH.



ABCDE Bundle



ABCDE

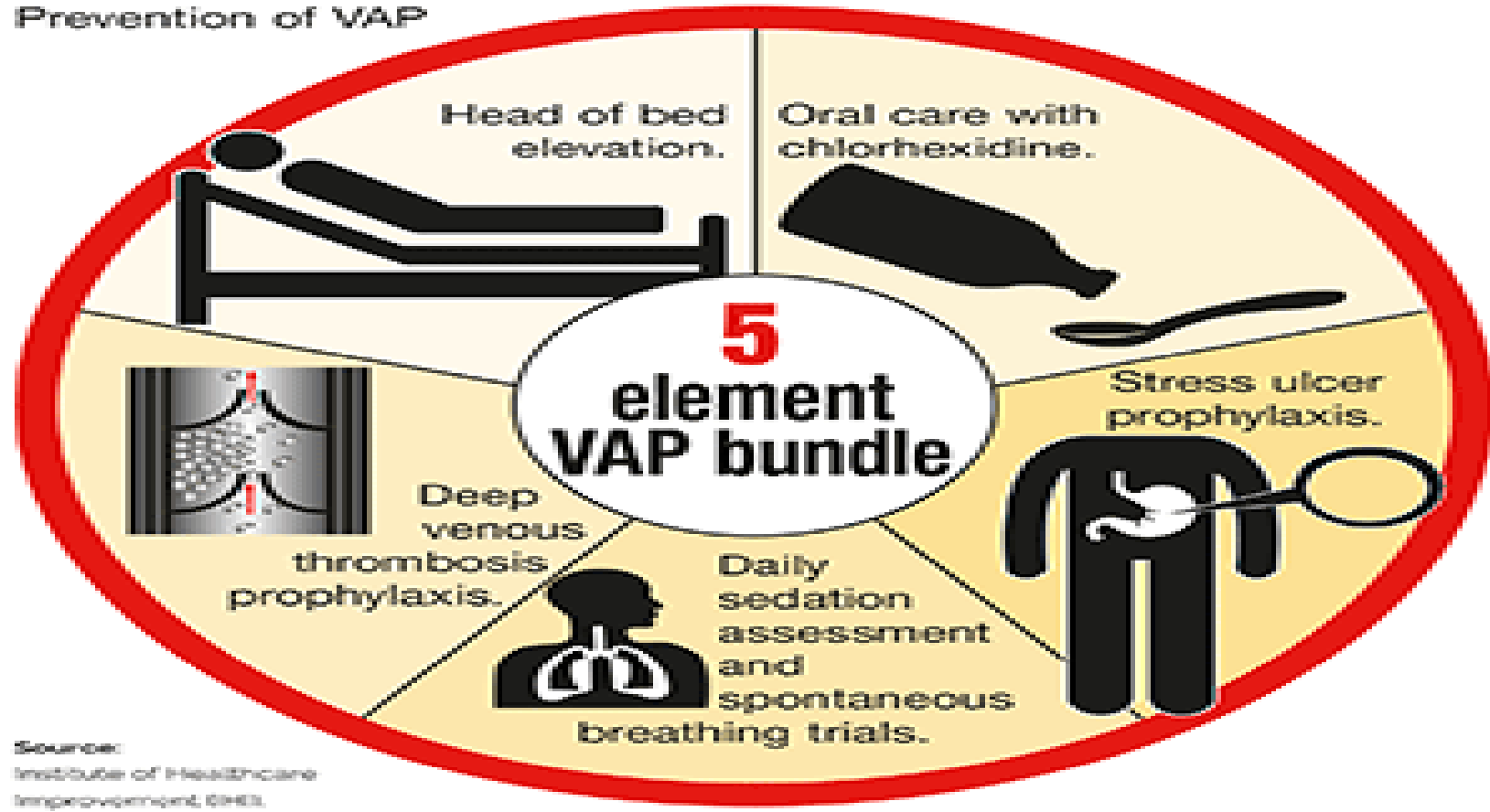
Bundle of care are set of 3-5 evidence based practices interventions supported by research and when used together caused significant improvement in patient outcomes.





A step in the process must not be eliminated or else the intended effect will be altered (McCarron, 2011).

Prevention of VAP



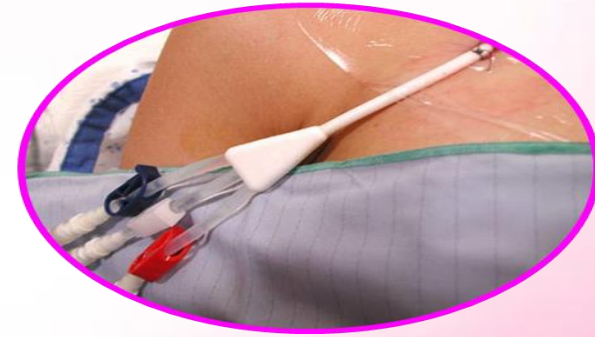
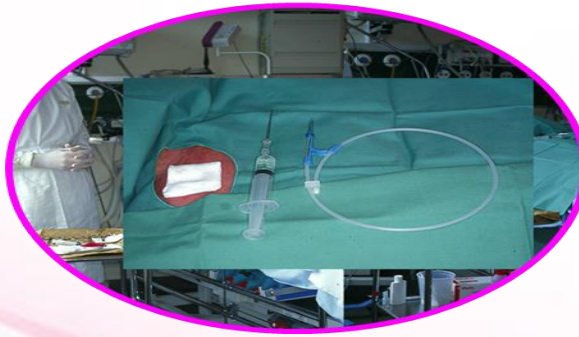
These combined steps have been effective in reducing the incidence of VAP and decreasing the length of stay in a critical care unit (Keyt, Faverio, & Restrepo, 2014; Azab, et. Al. 2015; Ferreira, et al. 2016).





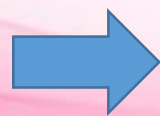
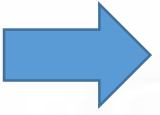
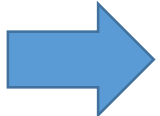
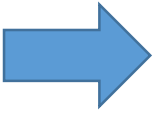
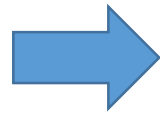
Central Line Bundle ICU

- Hand Hygiene.
- Maximal Barrier Precautions.
- Chlorhexidine Skin Antisepsis.
- Catheter site selection.
- Catheter daily review.
- Checklist.



The Central Line Bundle is aimed and effective in reducing rates of central venous catheter (CVC)–related infections (Brachine, Peterlini, & Pedreira, 2012; Meneguetia et.al, 2015).

FUTURE



Continuum of Care

Degree of Oral Health

Healthy

D-U-M[®] PerioBalance[®] Daily Dental Probiotic

D-U-M[®] PerioShield[®] Oral Health Rinse

D-U-M[®] Chlorhexidine Gluconate Oral Rinse USP, 0.12% Alcohol-Free

Significant reduction in plaque scores Day 14, Day 28

4% 10%

Active ingredients: Lactobacillus reuteri, Lactobacillus acidophilus, Lactobacillus casei, Lactobacillus rhamnosus, Lactobacillus salivarius, Lactobacillus fermentum, Lactobacillus delbrueckii subsp. lactis, Lactobacillus bulgaricus, Lactobacillus acidophilus, Lactobacillus casei, Lactobacillus rhamnosus, Lactobacillus salivarius, Lactobacillus fermentum, Lactobacillus delbrueckii subsp. lactis, Lactobacillus bulgaricus



21. STRESS ULCER PROPHYLAXIS

H2 blocker or PPI be given to patients who have bleeding risk factors (1B)

When prophylaxis is used, proton pump inhibitors rather than H2RA (2D)

Patients without risk factors do not receive prophylaxis (2B)

Coagulopathy, Mec. Ventilated at least 48 hr. Patients should be periodically evaluated for the continued need for prophylaxis

Prevention of Deep Vein Thrombosis (DVT) and Pulmonary Embolism

Prevention of Deep Vein Thrombosis

Early Ambulation Post-operatively

Therapeutic exercises for lower extremities reduce the risk of clot formation in the lower extremities.

Graduated Compression Stocking (GCS)

Stockings aid in venous return by compressing the lower leg.

Intermittent Pneumatic Compression Devices (PCD)

Compression devices act as artificial massage by inflating and deflating around the patient's leg to assist the push of blood.

Foot Pumps

Anticoagulant Therapy (Blood Thinners)

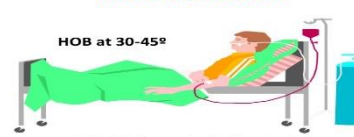
IC Filters (Inferior Vena Cava Filter Devices)

IC filters catch clots before they reach the heart.

Constrictions of lower leg and foot muscle pump should be the least the option.

Blood thinners are injected into the blood stream and reduce the blood's ability to clot.

HOB Elevation



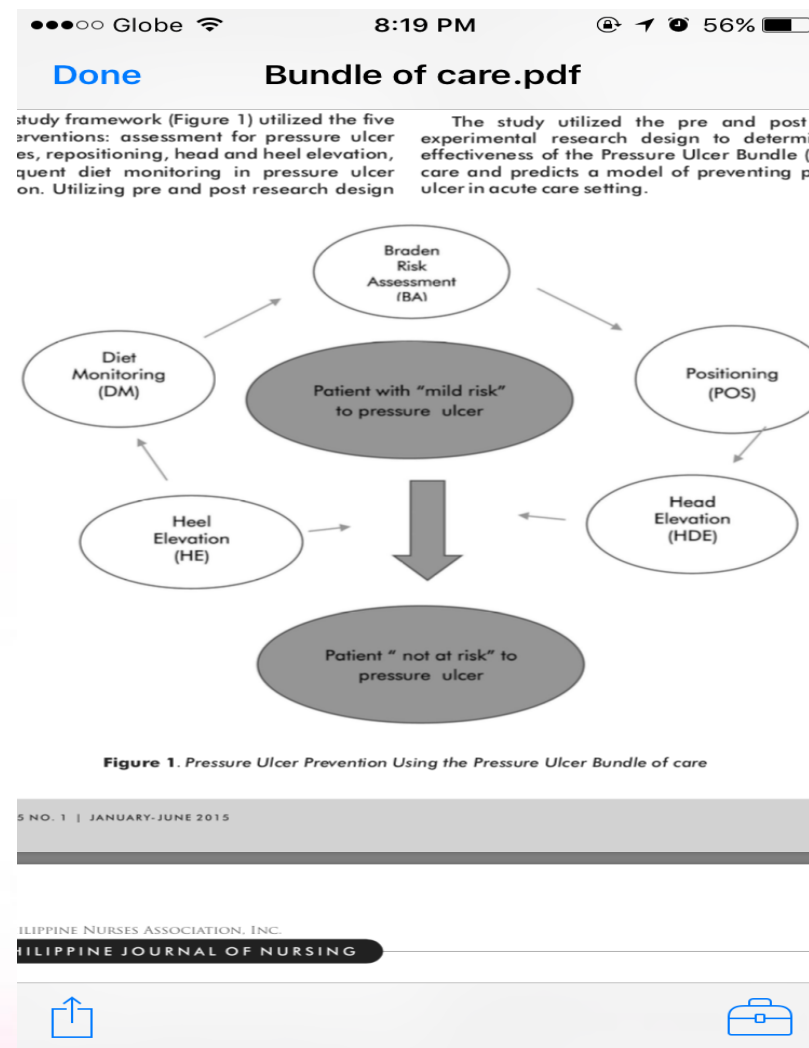
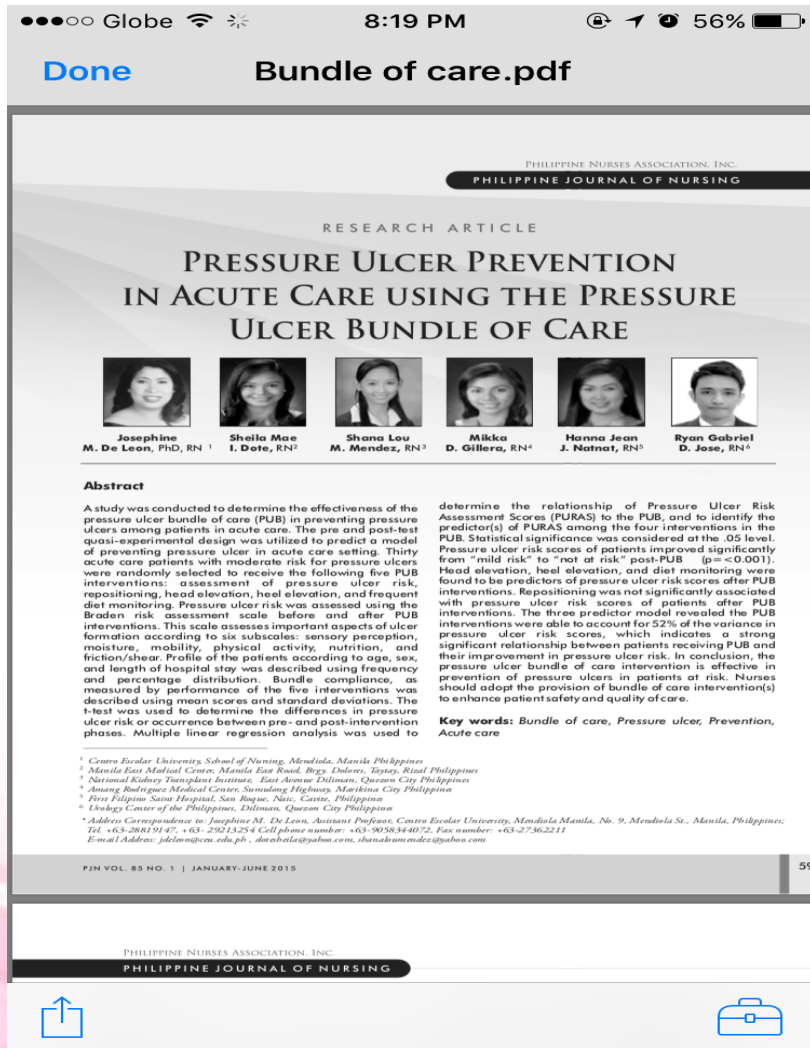
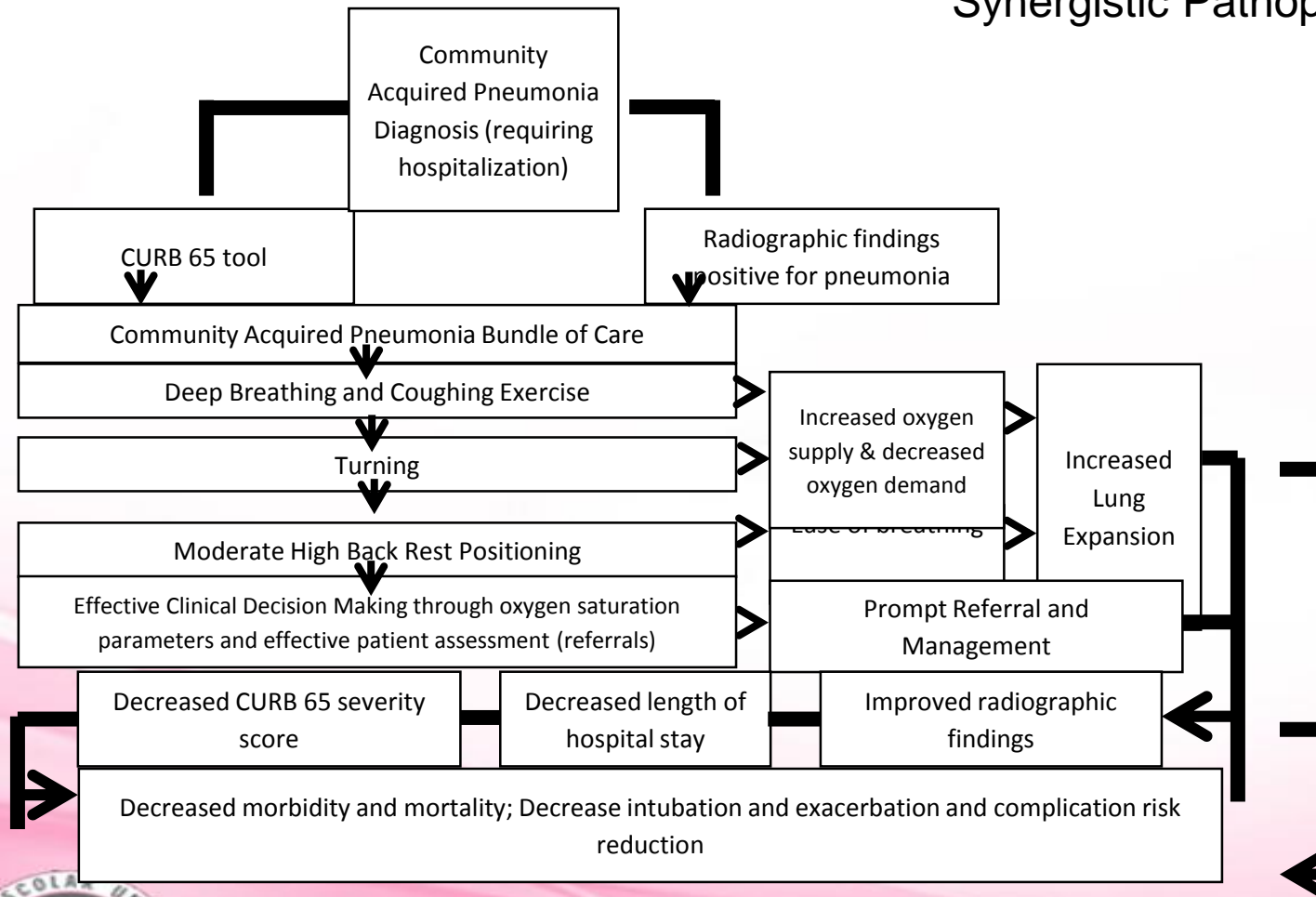
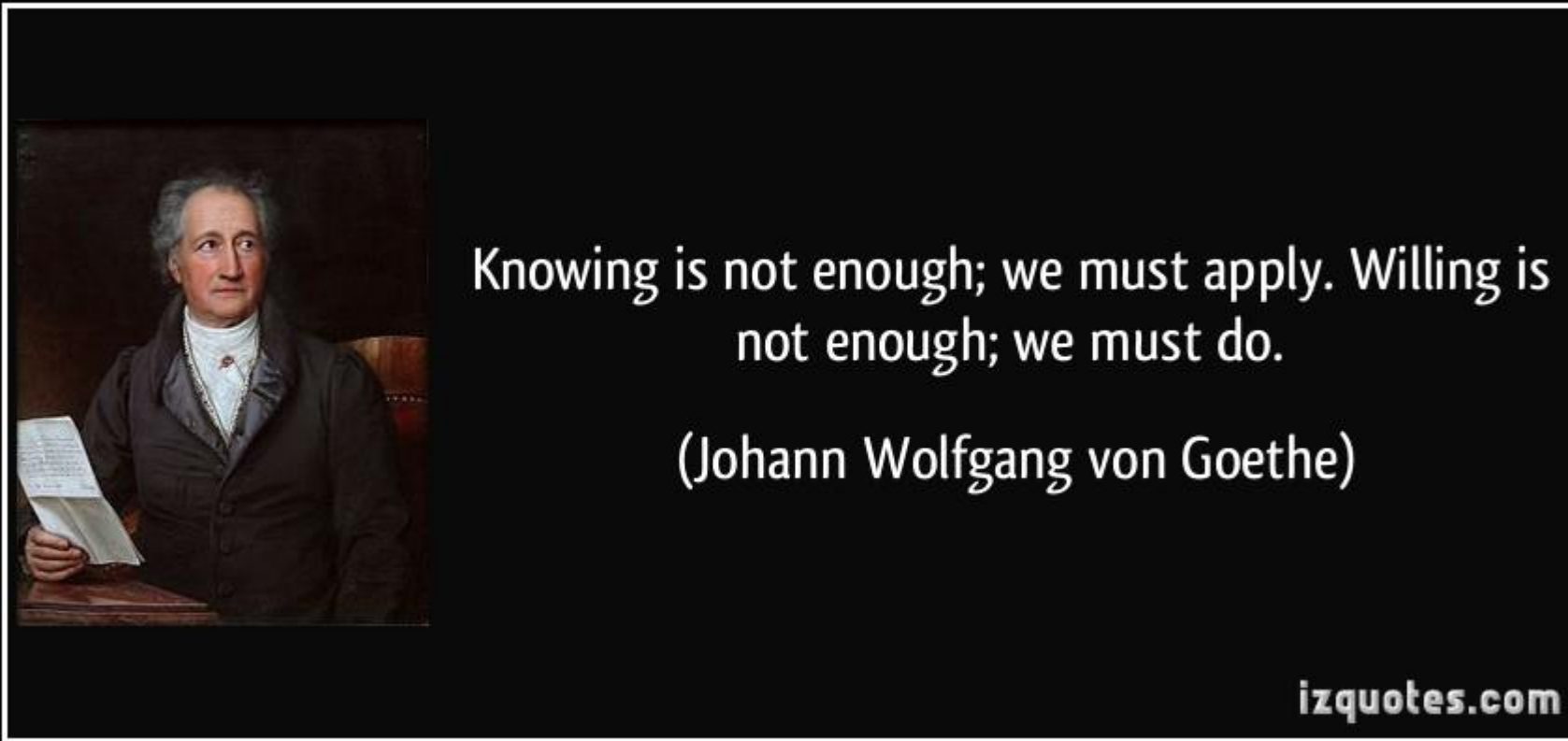


Figure 1. Pressure Ulcer Prevention Using the Pressure Ulcer Bundle of care



Synergistic Pathophysiology of CAP Bundle of Care





Translational research provides the means to apply the knowledge derived from basic health research to interventions that improve health (Grady, 2010).



Bundle of Care Interventions in Improving Patients Outcomes

AASA NAST PHIL INTL SYMPOSIUM | 21-23, SEPTEMBER 2017 | TAAL VISTA HOTEL, TAGAYTAY CITY PH.



mercì **salamat** ありがとう
谢谢 **grazie** thank **YOU**
σας ευχαριστούμε **gracias**



Bundle of Care Interventions in Improving Patients Outcomes
AASA NAST PHIL INTL SYMPOSIUM | 21-23, SEPTEMBER 2017 | TAAL VISTA HOTEL, TAGAYTAY CITY PH.

