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**Literature Review of Nosocomial Infections Passed Through Nurses' Personal Items**

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Literature Review of Nosocomial Infections Passed Through Nurses’ Personal Items

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Abstract
Nosocomial infections are infections whose development is favored by a hospital environment. In 2001, CDC stated that there were 721,800 nosocomial infections per year in the U.S. for costs if a patient acquires a nosocomial infection. In 2011, CDC stated that there was 721,800 nosocomial infections per year in the U.S. The literature concluded that all stethoscopes worn by nurses carried pathogenic microbes between each patient. Literature found that hand hygiene compliance is favored by a hospital environment. The importance of this study is to see if nurses have the time to properly don the correct PPE while working and if nurses are washing their hands as much as they need to. In all of the literature review that was read the two things that nurses need to make a priority while working are proper hand washing and using alcohol to clean their stethoscopes between patient contact. There are 1.7 million cases a year that are traced back to nosocomial infections and hospitals need to do more education and put more of an importance on the cleanliness of all employees’ hands.

Literary Findings

Scrubs
- Pathogenic bacteria was found on all scrubs
- Majority of the bacteria was found on pockets (pants and shirts), area of the abdomen, and the crotch area
- Literature found that it was not the scrubs that were the problem, but it was with hand hygiene compliance
- Literature found that the cleanliness of the cell phones play a significant role in the cleanliness of the employees’ hands.

Cell Phones
- One article found that the cell phones used at the hospital by nurses carried pathogenic microbes
- The other two studies found that no pathogenic microbes were found on their phones
- For these studies, their phones were never to have no pathogenic microbes because the phones were used
- The current surface of few smart phones does not offer any protection against bits in the phone
- Literature found that the cleanliness of the cell phones play a significant role in the cleanliness of the employees’ hands.

Stethoscopes
- There was pathogenic bacteria found on all of the stethoscopes diaphragms
- The literature concluded that all stethoscopes worn by nurses and other healthcare providers should be sanitized between each patient
- Stethoscopes have the potential of being a fomite

Research Proposal
The research design will be a quantitative survey design and the instruments, created for this study are: demographics include: age, gender, length of time as nurse, length of time at current hospital, educational background, average hours worked per week, 12 or 8 hour shifts, do you work at more than one hospital, and学历. Survey
- Cell Phone
  - How confident are you, on a scale from 1 to 10, that your cell phone is germ free?
  - Do you keep your cell phone on you while you are working on the floor?
  - Do you bring your cell phone out while you are working?
  - If yes, what do you use your cell phone for?
  - Approximately, how many minutes a shift is your cell phone out of your pocket?
  - Do you wash your hands each time before and after touching your cell phone?
- Scrubs
  - Are your scrubs bought from home or supplied by the hospital?
  - If home, do you take your scrubs as soon as you get home?
  - What is your routine for your used uniform after your shift?
  - Do you wash your hands and forearms for the recommended 1.5 minutes after a physical examination.
  - How often do you wear the proper PPE as to not get contaminated by your work and for believing in me. I would also like to thank my father for
  - Do you use hot water while washing your hands?
  - Do you use soap or lotion for the cleaning?
  - Do you use clean your stethoscope in between each patient when you get home?
  - Do you agree with the hospital protocols that your hospital has put in place to protect you and your patients?
- Contact
  - How likely are you to use the proper isolation precautions when walking into a patients’ room from 0-10?
  - How likely are you to use the proper isolation precautions when walking into a patients’ room from 0-10?
  - How likely are you to use the proper isolation precautions when walking into a patients’ room from 0-10?

Indications for Clinical Practice
The importance of this study is to see if nurses have the time to properly don the correct PPE while working and if nurses are washing their hands as much as they need to. In all of the literature review that was read the two things that nurses need to make a priority while working are proper hand washing and using alcohol to clean their stethoscopes between patient contact. There are 1.7 million cases a year that are traced back to nosocomial infections and hospitals need to do more education and put more of an importance on the cleanliness of all employees’ hands.

References
Vandamme, P. et al. (2012). The importance of this study is to see if nurses have the time to properly don the correct PPE while working and if nurses are washing their hands as much as they need to. In all of the literature review that was read the two things that nurses need to make a priority while working are proper hand washing and using alcohol to clean their stethoscopes between patient contact. There are 1.7 million cases a year that are traced back to nosocomial infections and hospitals need to do more education and put more of an importance on the cleanliness of all employees’ hands.

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