The change in manicurists/pedicurists’ knowledge and attitudes after an individually applied education program on infection control

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Why manicurists/pedicurists?

- Manicure and pedicure treatment of biological hazards
- Hepatites and HIV (by blood and body fluids)
- Technicians can infect the clients

Why manicurists/pedicurists?

- High standards of cleanliness,
- Personal hygiene and infection control
- Disinfection of the equipment
- Immunization against Hepatites B

Why an education intervention?

- An intervention to raise the awareness
- An occupational health promotion intervention via service learning approach

Service Learning Approach

OBJECTIVE

- To evaluate the effects of this training program targeted to manicurists/pedicurists, given by students and determine whether their level of knowledge and attitudes had changed after this intervention
METHODS-1

- 211 beauty salons registered to the professional association, 83.7% were contacted
- manicurists/pedicurists in 109 salons
- 131 manicurists/pedicurists were interviewed and educated by the students
- November-December 2009 / March-April 2010
- 60.3% (n=79) followed-up (2nd visit)

METHODS-2

- Questionnaire: 70 questions
  - socio-demographics,
  - work experience,
  - working conditions,
  - knowledge (25) and attitude (14) on infection control
- Standard training guides
- Paired samples t-test and McNemar’s test were used as analyses.

RESULTS - 1

- The mean age: 28.3±8.4.
- 41.5% had primary schooling and 24.6% vocational training.
- Working experience: 10.5±7.9 years.

RESULTS - 2

- Knowledge:
  - 17.0 ± 2.1 to 17.6 ± 2.6 (t=-2.113, p=0.038)
- Attitude:
  - 7.8 ± 2.5 to 8.9 ± 2.8 (t=-3.230, p=0.002)

RESULTS - 3

Significant increases!

- hand washing before and after each operation 55.8% to 70.1%
- avoiding cleaning the tools when having an open wound 47.2% to 69.4% and
- recommending the clients to bring their own tools 68.8% to 88.3%

RESULTS - 4

Hepatitis B vaccination rate
- 68.4% to 77.6%
Nasopharyngeal culture rate
- 28.6% to 50.0%
CONCLUSION - 1

Successful Intervention!
- The knowledge score increased
- Positive change in attitudes

CONCLUSION - 2

Service Learning
a good/appropriate strategy for occupational health promotion intervention and for occupational health education programmes

Thank you for your attention…