

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

Meral Türk Soyer, Meltem Ciceklioglu, Raika Durusoy
Gulengul S.Mermer

²Department of Public Health, Ege University / TURKEY

¹Ege University İzmir Atatürk School of Health / TURKEY

Why manicurists/pedicurists?

- Manicure and pedicure biological hazards
- Hepatitis and HIV (by blood and body fluids)
- Technicians ... infection ... the clients



Why manicurists/pedicurists?

- high standards of cleanliness,
- personal hygiene and
- infection control
- Disinfection of the equipment
- Immunization against Hepatitis B

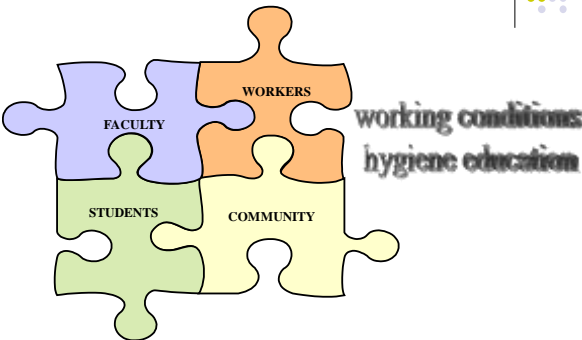


Why an education intervention?

- an intervention to rise 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

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Thank you for your attention...