DEVELOPING AN INTERACTIVE TOOL TO EDUCATE PATIENTS ON GOOD MANAGEMENT OF DRUGS

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Purpose
• To develop an interactive educational tool focusing on general information on drugs specifically for patients
• To evaluate this tool by a panel of participants

Background
Involving the patient in his drug therapy is essential and contributes to improve his empowerment. Currently, there are few reliable educational tools addressing general information on the good management of drugs by patients.

Methods
• Identification of patients’ needs: focus groups with patients and healthcare professionals (2 sessions of 2 hours)
• Creation of the interactive educational tool into an e-Learning format (Software Articulate® Storyline 1)
• Evaluation of the impact of the e-Learning on the knowledge of the participants (globally and divided in 3 categories of age: 18-30; 31-65; > 65 years) by comparing the number of good answers and the degree of certitude (scale 1 to 5) for each answer to multiple choice questions before (pre-test) and after e-Learning (post-test) completion
• Satisfaction evaluation through a standardized questionnaire

Conclusion
✓ Creation and validation of the educational tool
✓ Significant improvement of the knowledge and the degree of certitude
✓ Very good satisfaction of the participants

e-Learning evaluation
• 77 participants (43% female, 57% male)
• Significant improvement of the knowledge of certitude: 3.84 (pre-test) and 4.75 (post-test) (p < 0.001)

Global satisfaction of the participants:

<table>
<thead>
<tr>
<th>Category of age</th>
<th>Total</th>
<th>18-30 years (n=27)</th>
<th>31-65 years (n=34)</th>
<th>&gt; 65 years (n=16)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Satisfied</td>
<td>29.9%</td>
<td>34.6%</td>
<td>25.7%</td>
<td>31.3%</td>
</tr>
<tr>
<td>Very satisfied</td>
<td>70.1%</td>
<td>67.6%</td>
<td>74.3%</td>
<td>63.2%</td>
</tr>
</tbody>
</table>

Specific satisfaction of the participants:

<table>
<thead>
<tr>
<th>Category of age</th>
<th>Total</th>
<th>18-30 years (n=27)</th>
<th>31-65 years (n=34)</th>
<th>&gt; 65 years (n=16)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Are you satisfied with the quality of this e-learning lesson?</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Satisfied</td>
<td>16.9%</td>
<td>20.0%</td>
<td>16.2%</td>
<td>20.0%</td>
</tr>
<tr>
<td>Very satisfied</td>
<td>83.1%</td>
<td>80.0%</td>
<td>83.8%</td>
<td>80.0%</td>
</tr>
<tr>
<td>Are you satisfied with the usefulness of this e-learning lesson in your daily life?</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Satisfied</td>
<td>26.0%</td>
<td>25.7%</td>
<td>25.0%</td>
<td>25.0%</td>
</tr>
<tr>
<td>Very satisfied</td>
<td>74.0%</td>
<td>74.3%</td>
<td>75.0%</td>
<td>75.0%</td>
</tr>
</tbody>
</table>

• No significant impact of the age on the improvement of the knowledge nor on the satisfaction

e-Learning development
Selection of 4 topics to develop in the form of learning modules:

Module 1: treatment plan
Module 2: traveling with medication
Module 3: conservation and storage of drugs
Module 4: sources of information