

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

Conclusion

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

e-Learning development

Selection of 4 topics to develop in the form of learning modules:

Module 1: treatment plan

Module 2: traveling with medication

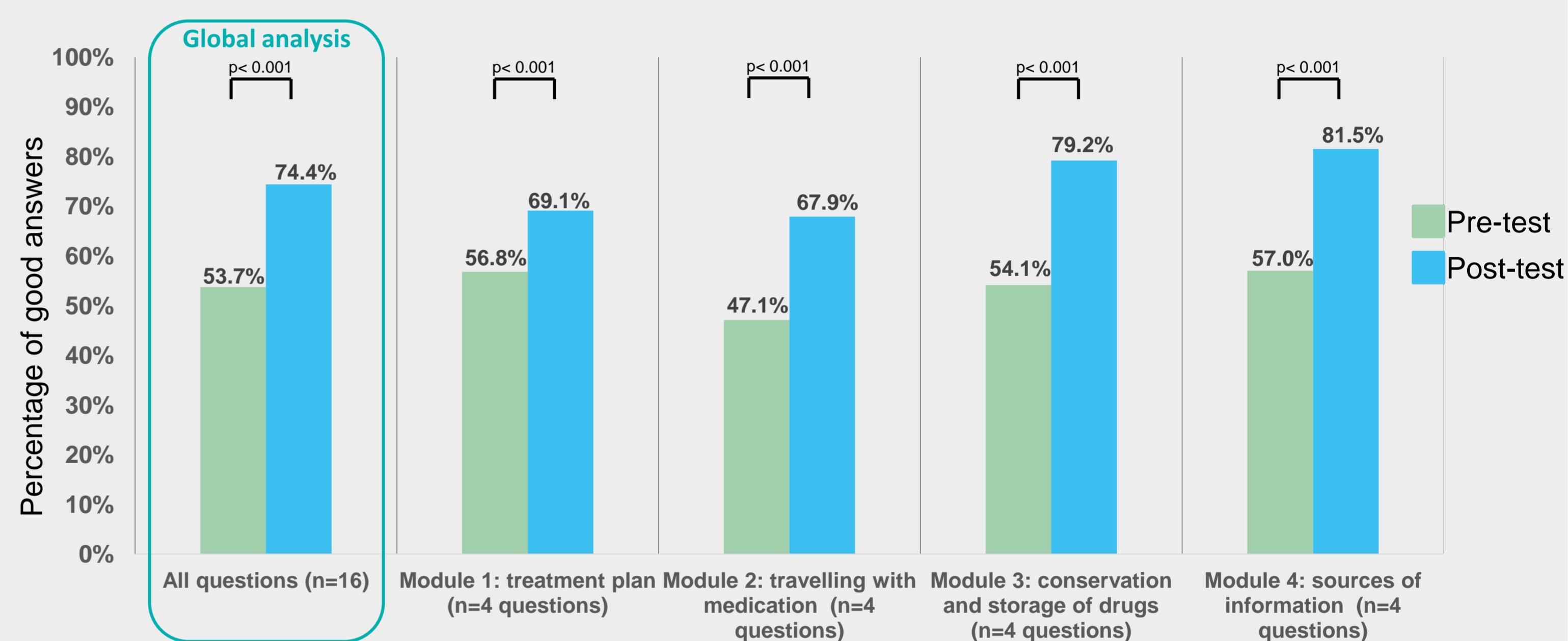
Module 3: conservation and storage of drugs

Module 4: sources of information



e-Learning evaluation

- 77 participants (43% female, 57% male)
- Significant improvement of the knowledge



Percentage of good answers before and after e-Learning (n = 77 participants)

- Significant improvement of the degree of certitude: 3.84 (pre-test) and 4.75 (post-test) (p < 0.001)

- Global satisfaction of the participants:

	Category of age			Total
	18-30 years (n=27)	31-65 years (n=34)	> 65 years (n=16)	
Satisfied	34.6%	25.7%	31.3%	29.9%
Very satisfied	65.4%	74.3%	68.8%	70.1%

- Specific satisfaction of the participants:

	Category of age			Total
	18-30 years (n=27)	31-65 years (n=34)	> 65 years (n=16)	
Are you satisfied with the clarity of this e-Learning lesson ?				
Satisfied	30.8%	5.7%	18.8%	16.9%
Very satisfied	69.2%	94.3%	81.3%	83.1%
Are you satisfied with the quality of this e-Learning lesson?				
Satisfied	26.9%	25.7%	25.0%	26.0%
Very satisfied	73.1%	74.3%	75.0%	74.0%
Are you satisfied with the usefulness of this e-Learning lesson in your daily life ?				
Not satisfied	7.7%	0%	0%	2.6%
Satisfied	42.3%	32.4%	25.0%	34.2%
Very satisfied	50.0%	67.6%	75.0%	63.2%

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