

# A “room of errors” to improve operators’ knowledge in a cytotoxic production unit

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*“All men make mistakes,  
but only wise men learn  
from their mistakes”*

*Winston Churchill*

# Room of errors | Concept



- Various errors are deliberately placed in the room and must be identified by the participants
- Raises awareness through error in a guilt-free context
- Fun and educational health simulation tool

# Room of errors | Objectives

- Improving practices, quality and safety of care in the process of a chemotherapy preparation
- Increasing the knowledge of our procedures

# Listing of the errors



Critical safety points in  
our internal procedures



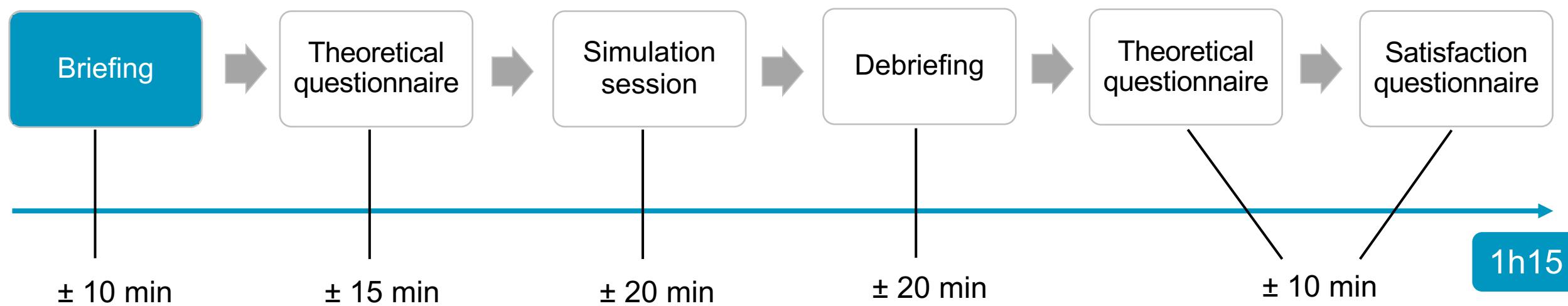
Incidents reported in HUG  
related to production between  
April 2019 and August 2021



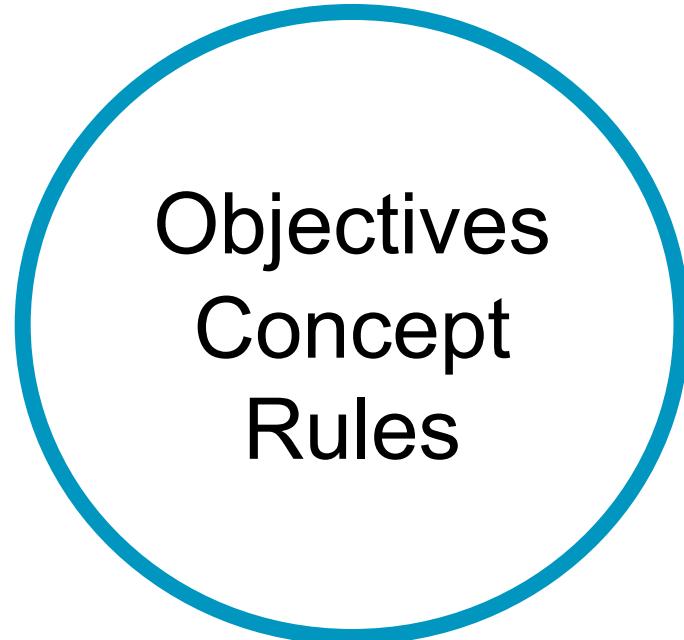
Non-systematic literature review  
about room of errors involving  
pharmaceutical technology in  
hospital pharmacies

25 errors (7 static + 18 dynamic) in a simulation room

# Design of the study



# Briefing

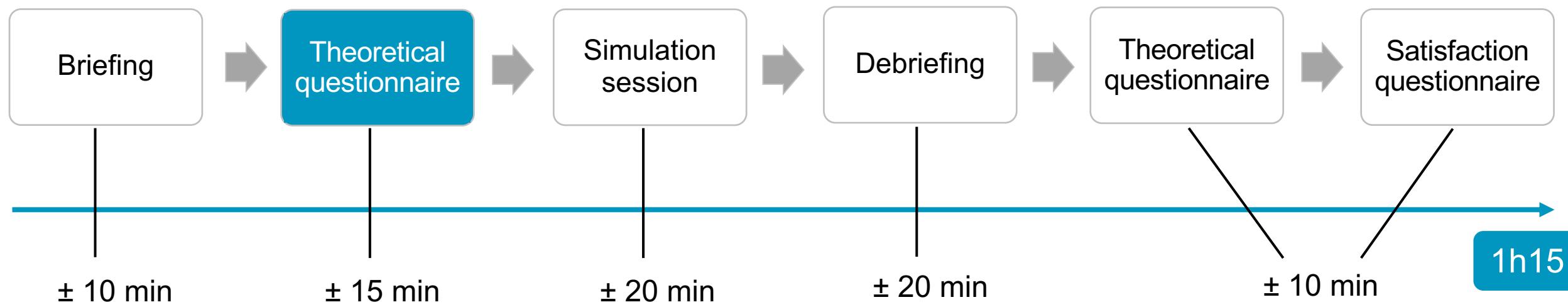


Fictional  
Contract

Confidentiality

Confidence

# Design of the study



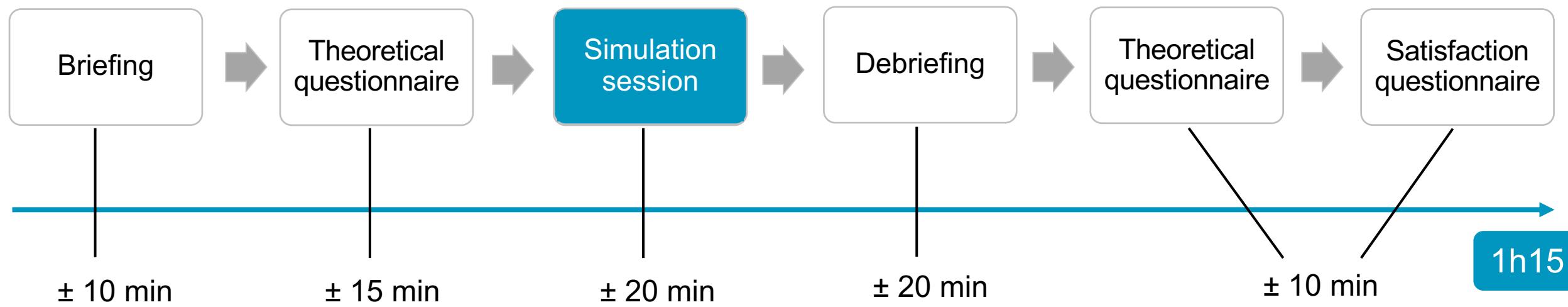
# Theoretical questionnaire

18 questions

Choice of materials,  
hand-washing, hand  
disinfection, dressing,  
preparation, control  
and bag shipment

Degree of certainty  
0-100%

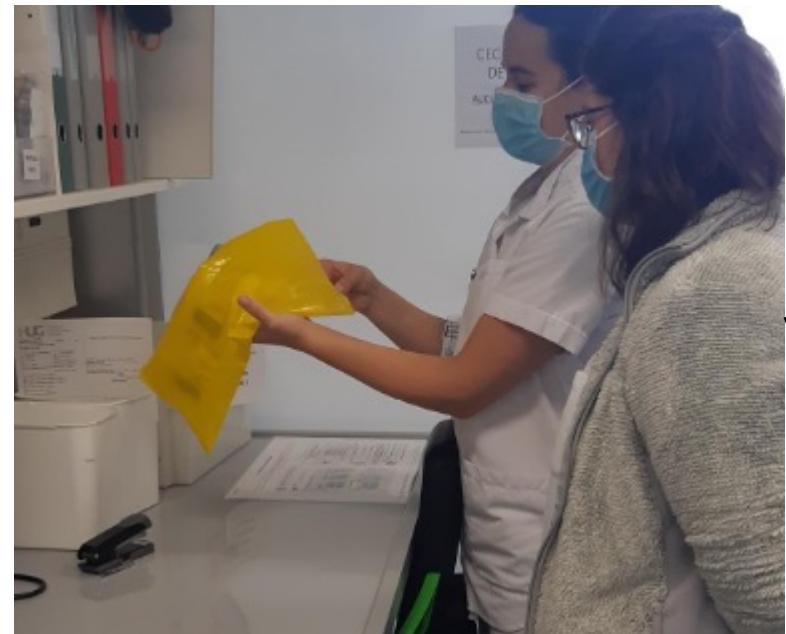
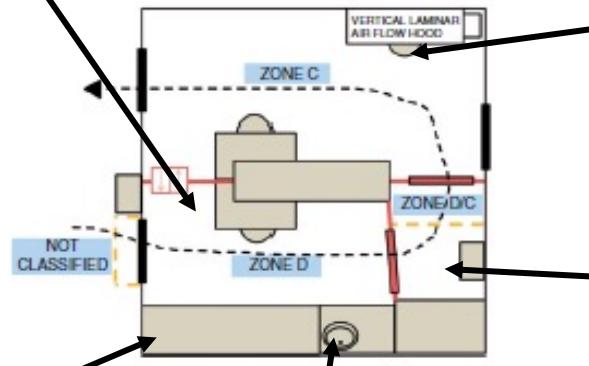
# Design of the study



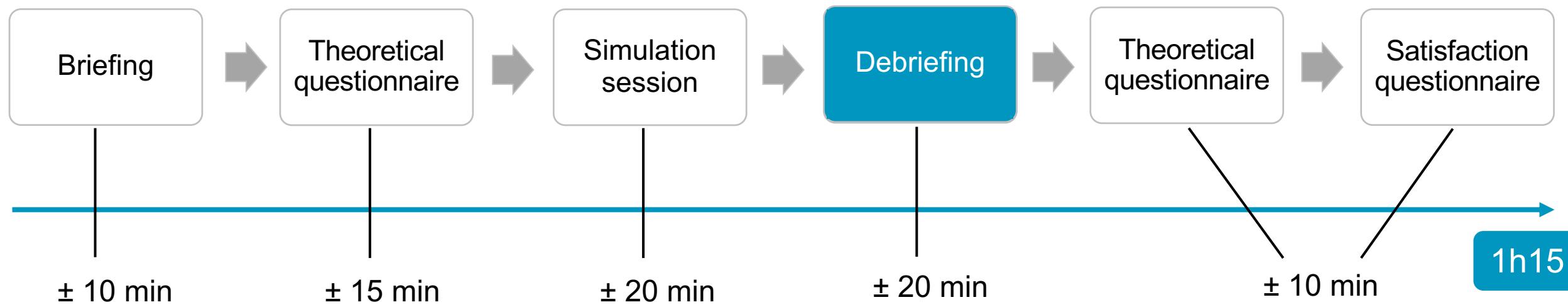
# Simulation session



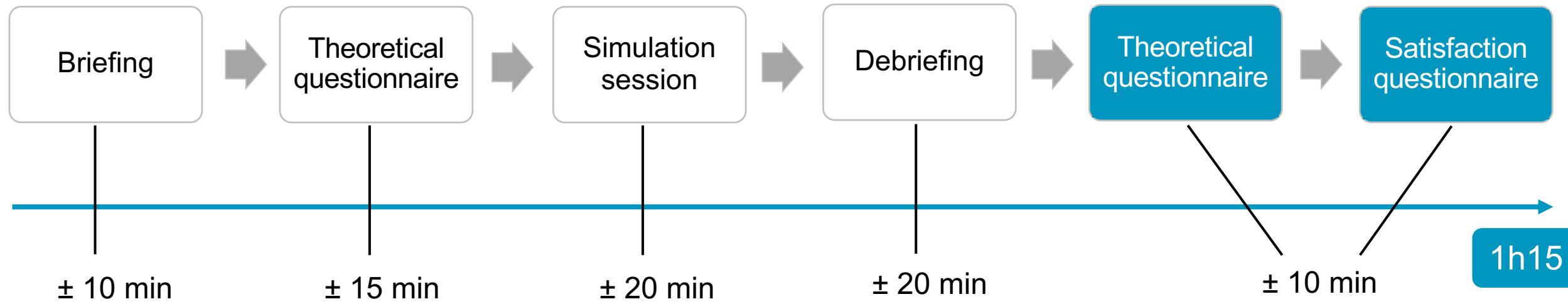
Pseudo-operator



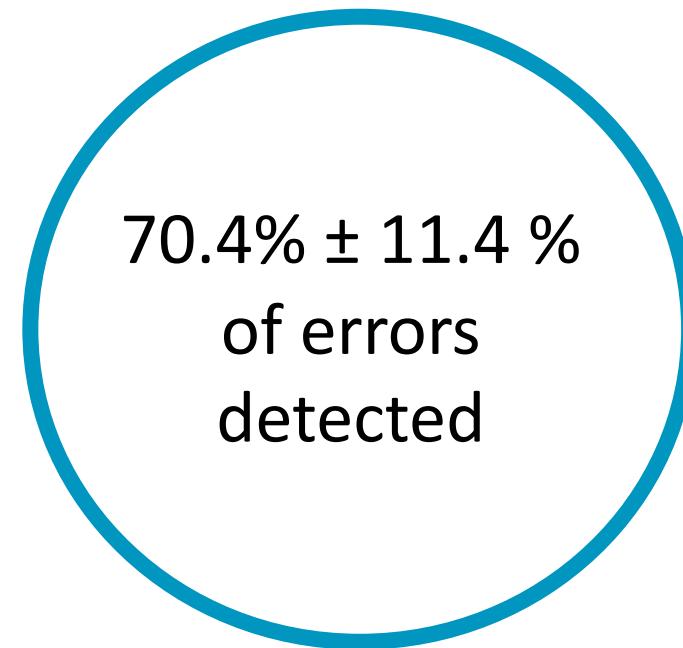
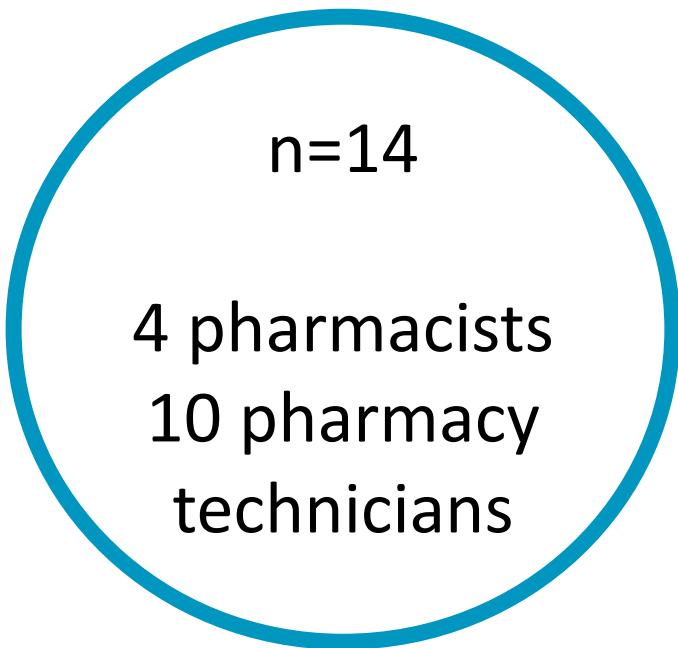
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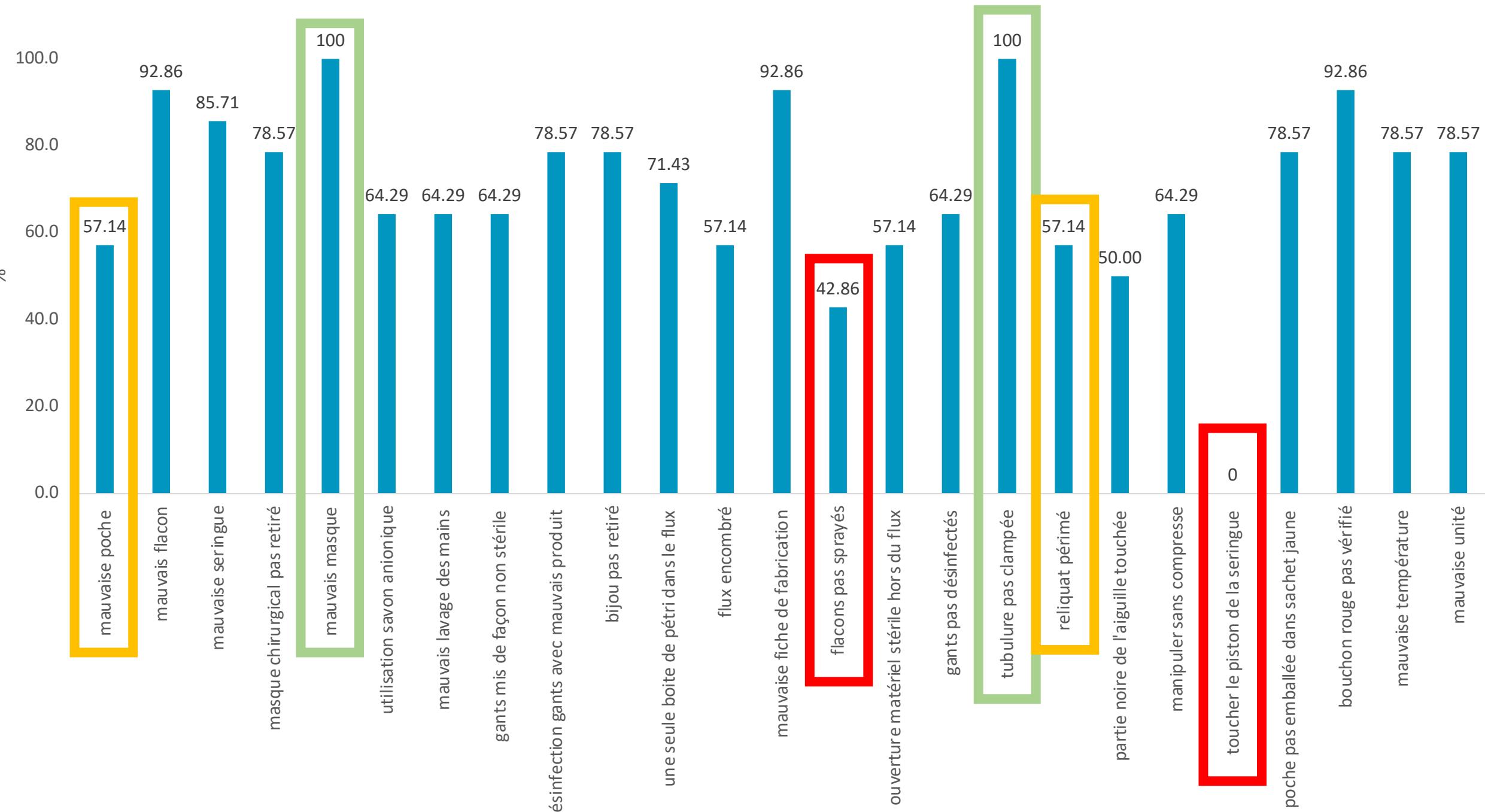


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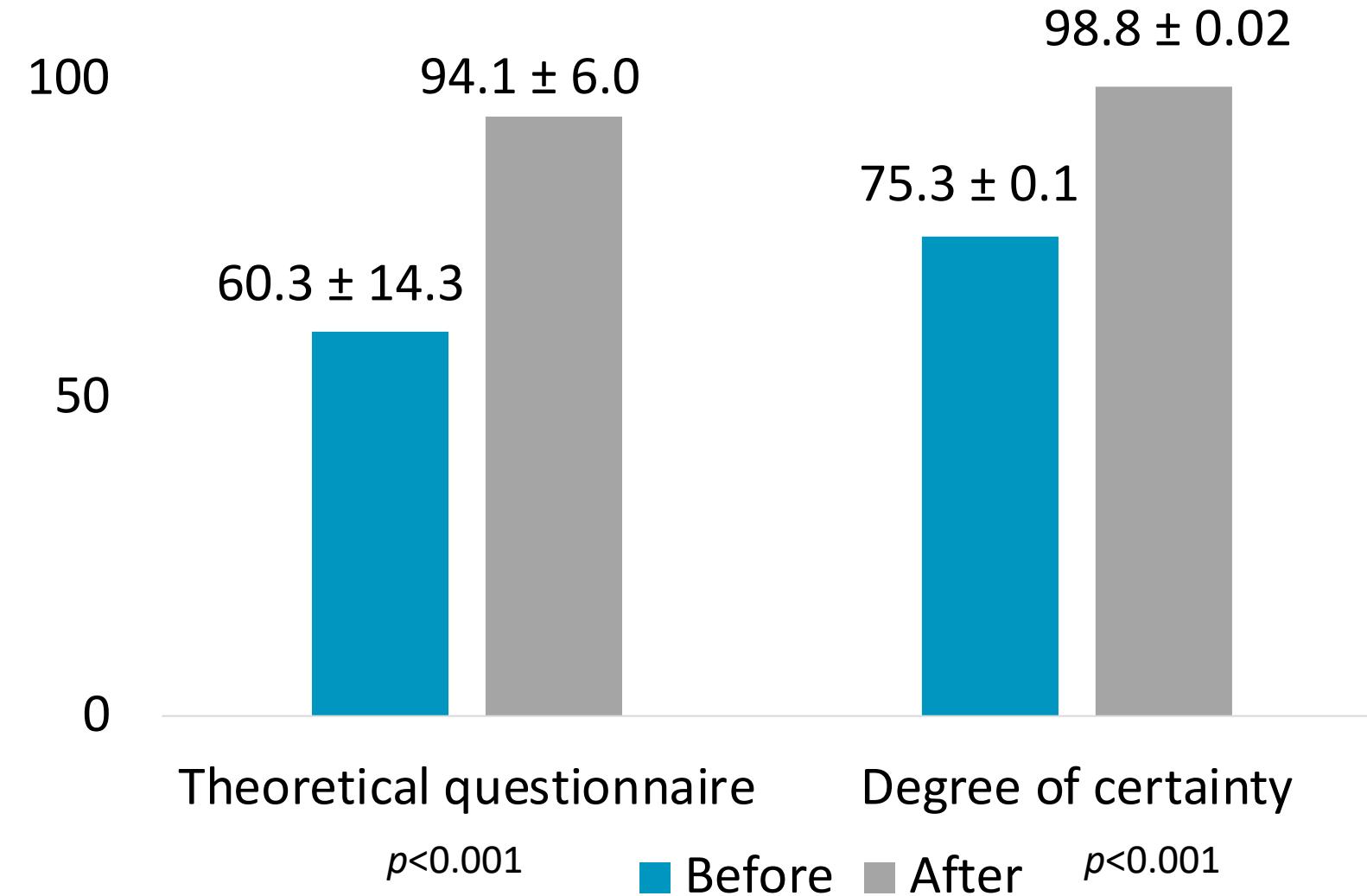


# Results | Errors





# Results | Questionnaires



# Conclusion



- Highly appreciated and engaging playful tool
- Real progression in the knowledge and in the confidence in the answers



- Takes a lot of time to set up
- Sustainability of the training?
- Knowledge after 6 months?

***“ The wise man learns from his mistakes, the wiser man learns from the mistakes of others ”***

*Confucius*

# Thank you for your attention

