

Introduction

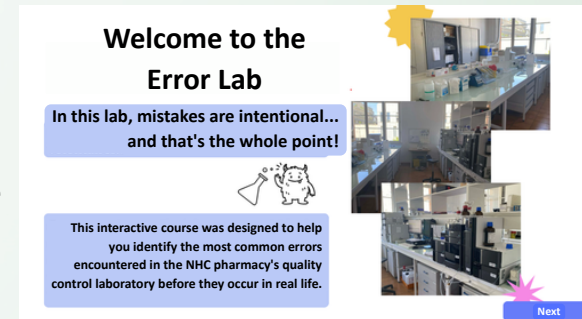
- Requirements of **Good Preparation Practices** (GPP) and **ISO 9001** certification :
 - Training and qualification of professionals in a quality control laboratory → quality and safety of the preparations control process
- Pharmacy students' skills required for their activities in the quality control laboratory assessed following their training through supervised practical application



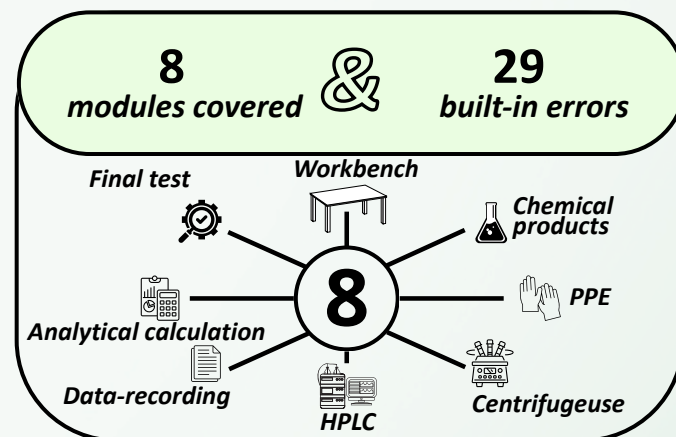
Design of a complementary qualification tool: the “Error Lab”



Complemente students' qualification in the quality control laboratory and evaluate their satisfaction with this tool



Materials and Methods



Scenarios created from the pharmacy students' competency framework for the quality control laboratory



Estimated duration : 25 minutes

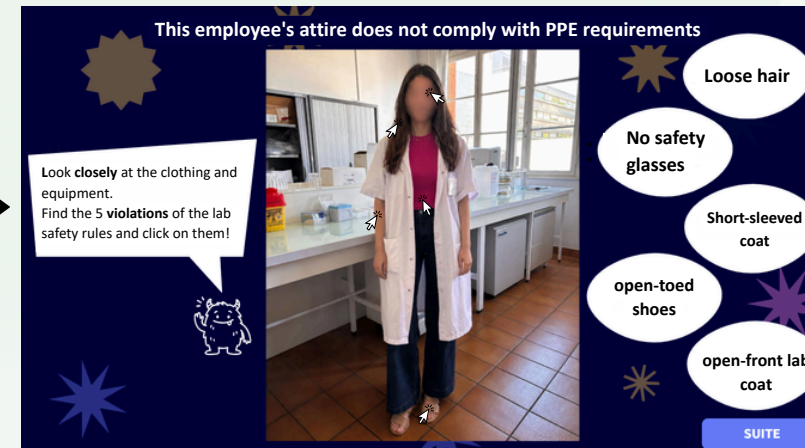
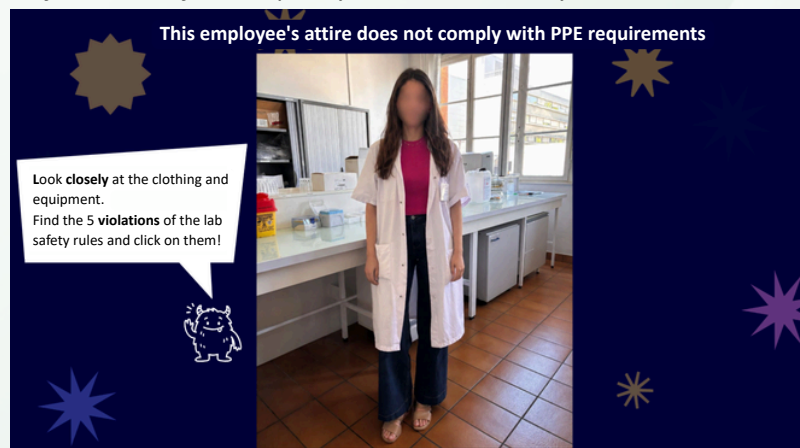


Genially® tool:

- Web-based platform, no installation required
- Access to immediate scores and feedback
- Combines learning-by-error with active exploration and calculations

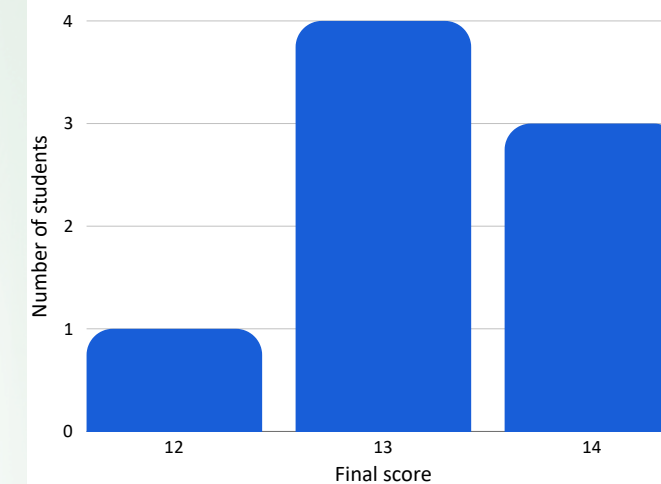
-Competency assessment: 14 questions, pass threshold set at 12/14 based on Kirkpatrick level 2 criteria

-Satisfaction assessment: questionnaire meeting Kirkpatrick level 1 criteria



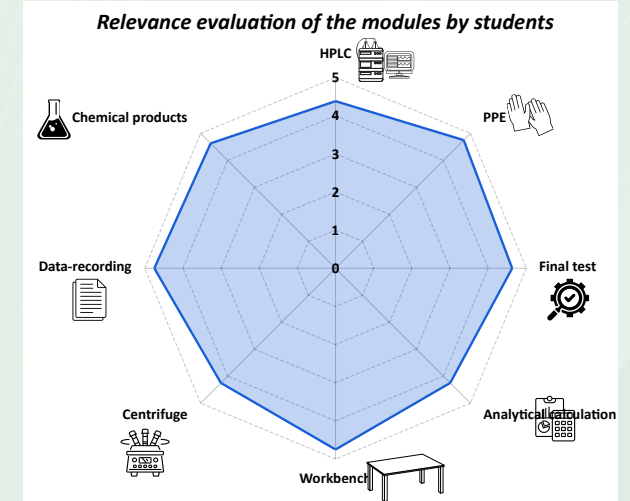
Results

Distribution of final competency assessment scores



- Realism
- Interactivity
- Engaging nature

Some missing modules



12/14 minimum score achieved



100% of the 8 students qualified !

54/60 average satisfaction score

Discussion - Conclusion



Comparison with qualification methods at centers

[1] and [2]

- Similarities
 - Use of multiple tools for qualification
 - Result: improved qualification, satisfaction
- Differences
 - Different target audience : pharmacy assistants [2], technicians [1] VS pharmacy students
 - Different materials : support materials/videos/ simulations [2], PREZI®+ cards [1] VS Genially® interactive scenes

Limitations of the tool



- Missing modules: details on HPLC software and chemotherapy control
- Needs updating if equipment changes
- No difficulty adjustment based on observed results



Pedagogical relevance

- Situational learning at the core of the approach
- Grounded in real laboratory situations
- Engaging nature and interactive approach
- Positive quiz scores and overall satisfaction
- Sustainable integration of scenarios for quarterly student qualification



Innovation

- Use of Genially® as an innovative pedagogical tool
- Interactivity and immersion
- Not much published data on competency assessment in a laboratory within a hospital pharmacy



Perspectives

Add new modules: HPLC software details and chemotherapy control