A new faculty development approach for PBL tutors:

Self-reflection and peer-feedback improve teaching skills

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Tutor role in Problem Based Learning

Create optimal conditions for student learning

- stimulate cognitive activities (elaborating, making connections, synthesizing, and integrating knowledge)
- help to identify learning needs and resources
- favour monitoring of student learning
- provide feedback
- facilitate group process





Effective faculty development activities

- suit the needs of individuals
- encourage experiential learning
- provide feedback
- use strategies that stimulate reflection





Peer coaching and self-reflection

Peer coaching

- meets individual needs
- promotes collegiality
- based on feedback
- encourages self-reflection





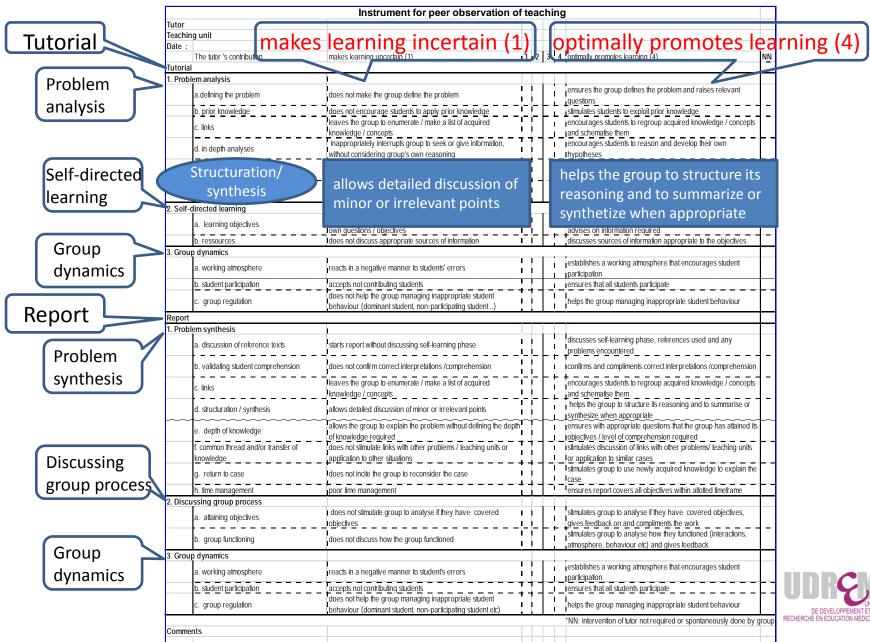
Aim of the study

- Pilot testing an approach based on peer coaching and self-reflection with PBL tutors
- Design an instrument to observe the tutorial
- Explore the efficiency of the approach on tutor teaching skills





Instrument



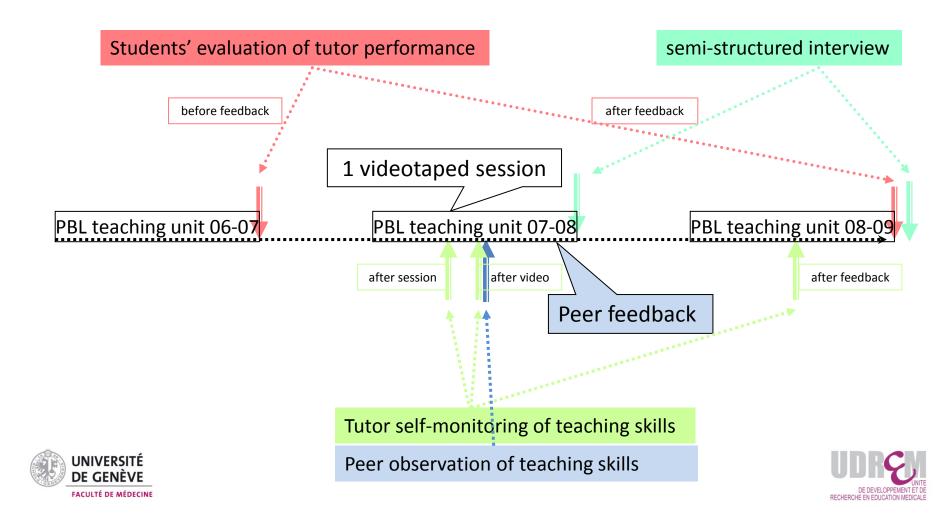
Research questions

- Does « looking oneself in action » on a video and self-monitoring using the instrument encourage tutor self-reflection?
- 2. Does « peer feedback » improve tutor teaching skills?





Experimental design



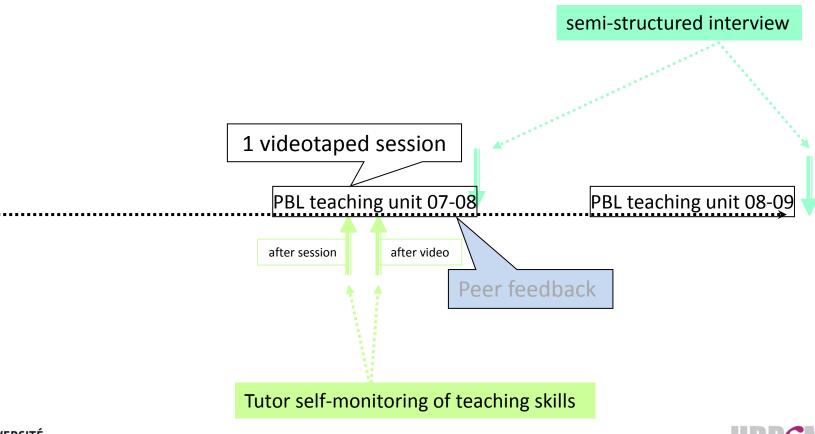
Participants

- Observed tutors
 21 PBL tutors
 - 15 experienced tutors (>10 years of tutoring experience)
 - 6 junior tutors (4 6 years of tutoring experience)
- Peer-observers
 4 expert tutors (>10 years of experience)





1. Does « looking oneself in action » and self-monitoring using the instrument encourage tutor self-reflection?





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Methods

Results

Semi-structured interview

• Did « looking yourself in action » make you aware of your teaching strategies?

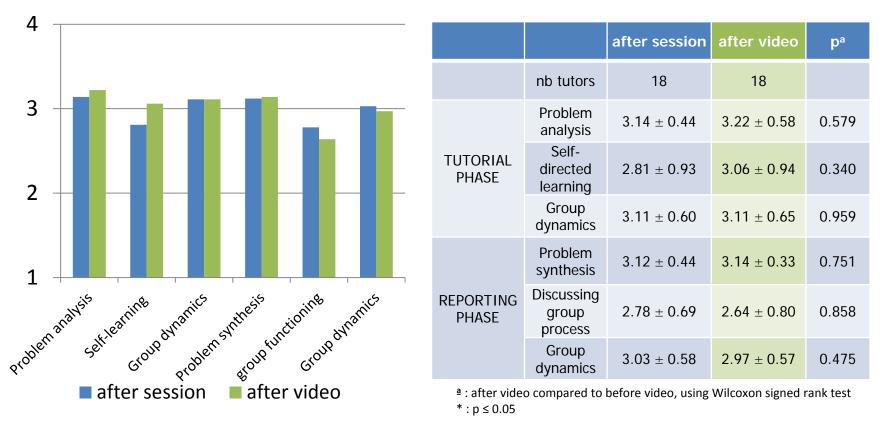
- Is the instrument useful as a reminder of the tutor role and as a tool for self-reflection ?
- 83% of the tutors report that « looking oneself in action » makes aware of personal teaching strategies
- All tutors report that the instrument is very useful as a reminder of the tutor role and helps to self-reflect on personal teaching strategies



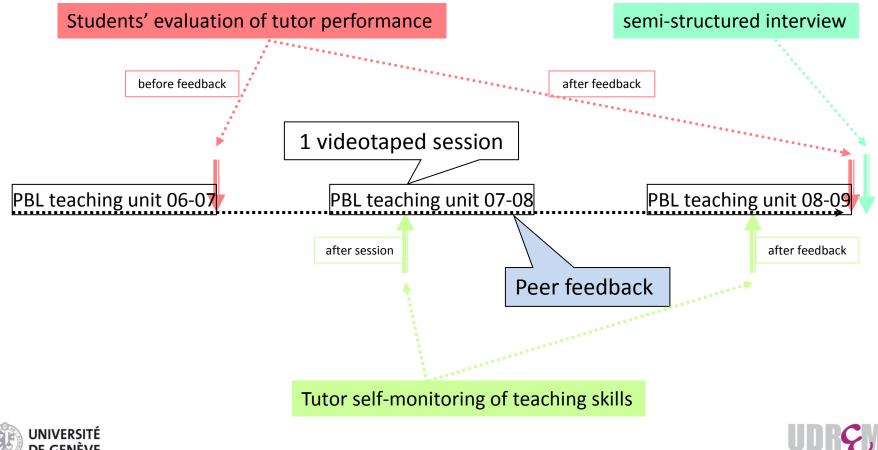


1. Does « looking oneself in action » and self-monitoring using the instrument encourage tutor self-reflection?

Methods: comparison of tutor self-monitoring before and after video



Results: tutors self-monitor their teaching skills identically after « looking oneself in action »



RECHERCHE EN EDUCATION

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Methods

Semi-structured interview

- Did you modify your teaching strategies after peer feedback?
- Do you estimate having improved?

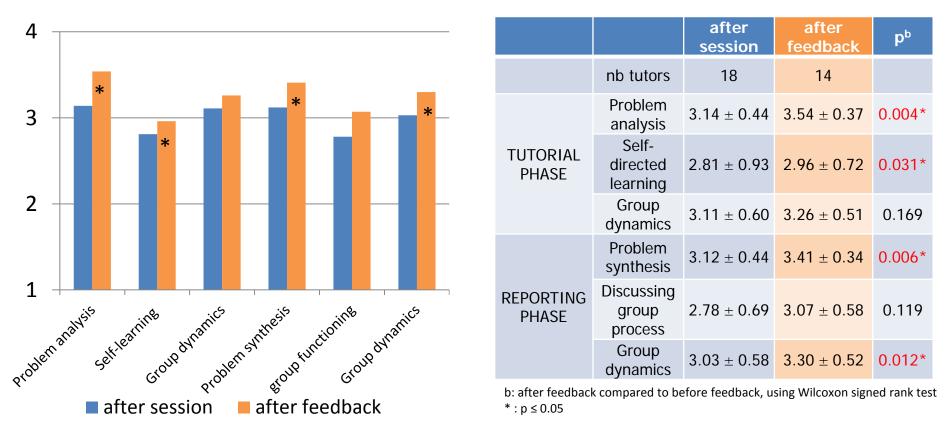
Results

- 65% of the tutors modified their strategies
- 82% perceive to have improved

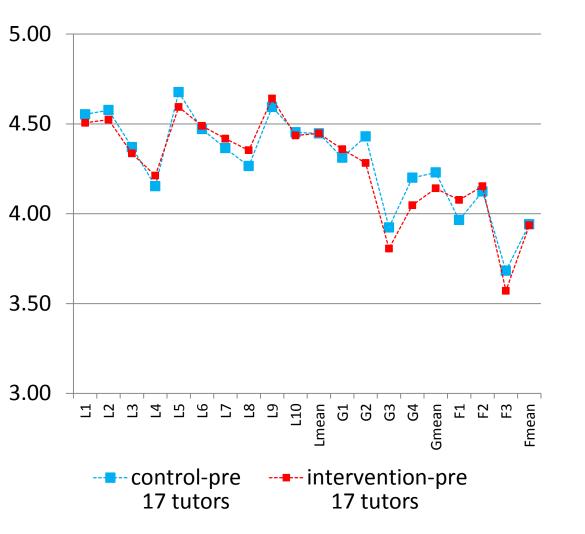


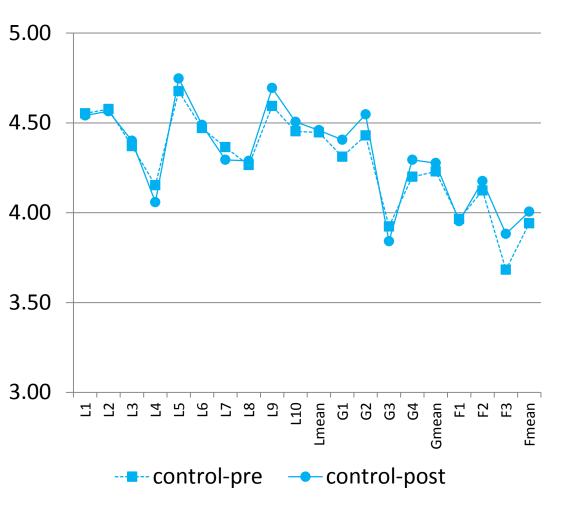


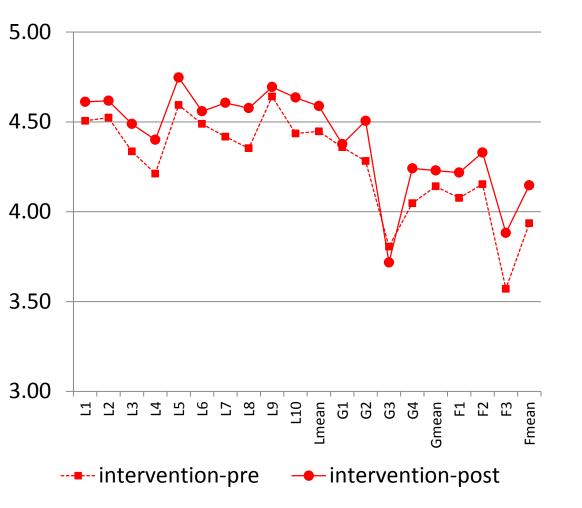
Methods 1: comparison of tutor self-monitoring before and after peer feedback

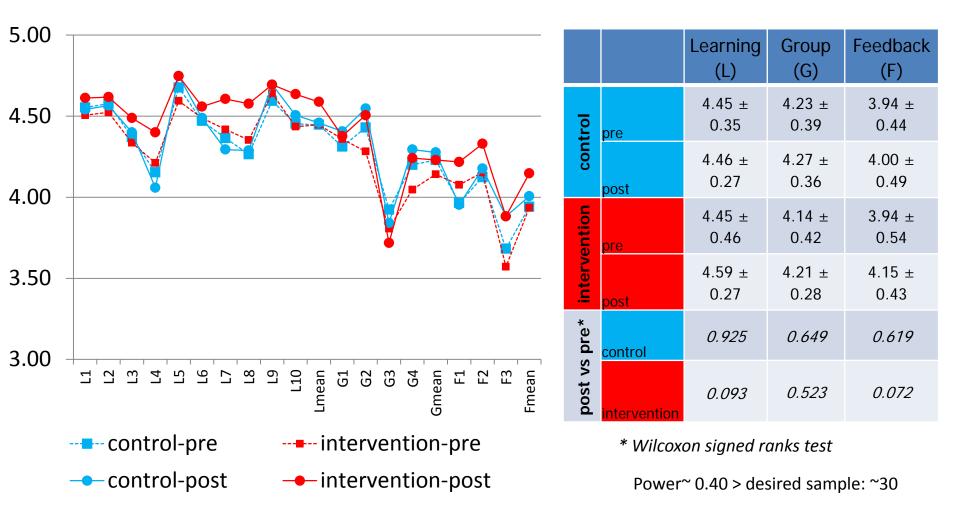


Results 1: tutors self-monitor some teaching skills better after peer feedback









What was most useful for your training?

- 1. Looking oneself in action (50%)
- 2. Getting peer feedback (33%)
- 3. Using the instrument as a reminder of tutor role (17%)





Summary

1. The instrument is a useful reminder of the tutor role and helps to self-reflect on personal teaching strategies

2. « Looking oneself in action » seems necessary to become aware of personal teaching strategies but does not modify selfmonitoring of teaching skills

3. « Peer feedback » provides tutors with cues to perfect their teaching skills, and improves their perception. Students seem to confirm this improvement.

Limitations

- Pilot study has to be extended to a larger number of tutors
- Improvement of teaching skills need to be confirmed by peer-observers

Interpretation and conclusion

- Preliminary results are encouraging
- « looking oneself in action » is an important step for self-reflection and awareness
- Self-reflection needs peer feedback to become operative and elicit changes in teaching strategies
- Peer feedback combined to self-reflection is a promising approach to improve tutor teaching skills