



INSTITUT
D'OSTÉOPATHIE
DE RENNES

Impact of the video tool on the acquisition of clinical skills in Osteopathy

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Preliminary study on 3rd year osteopathic students

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INTRODUCTION



Background

Law-decree number 2014-1505 of 12 December 2014 relating to osteopathic education

<https://www.legifrance.gouv.fr/eli/decret/2014/12/12/AFSH1427626D/jo>

INTRODUCTION



Leng, B. D. & al. (2007). How video cases should be used as authentic stimuli in problem-based medical education. *Medical Education*, 41(2), 181–188.

Gillispie, V. (2016). Using the Flipped Classroom to Bridge the Gap to Generation Y. *The Ochsner Journal*, 16(1), 32–36.

Montayre, J., & Sparks, T. (2018). As I haven't seen a T-cell, video-streaming helps. *Collegian*, 25(5), 487–492.

INTRODUCTION



Van Selm, M., & Jankowski, N. W. (2006). Conducting Online Surveys. *Quality and Quantity*, 40(3), 435–456.

Johnston, G. M. (2017). Innovations in Training the Next Generation of Physicians for Missouri and the Nation. *Missouri Medicine*, 114(5), 358–362.

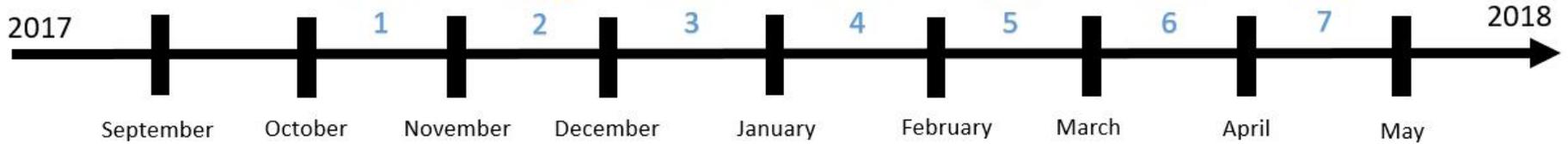
MATERIAL AND METHODS



T0



T1



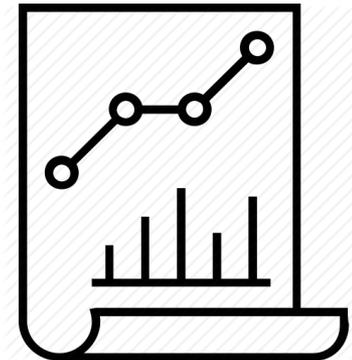
VIDEO SHOOTING



COURSE SEQUENCES

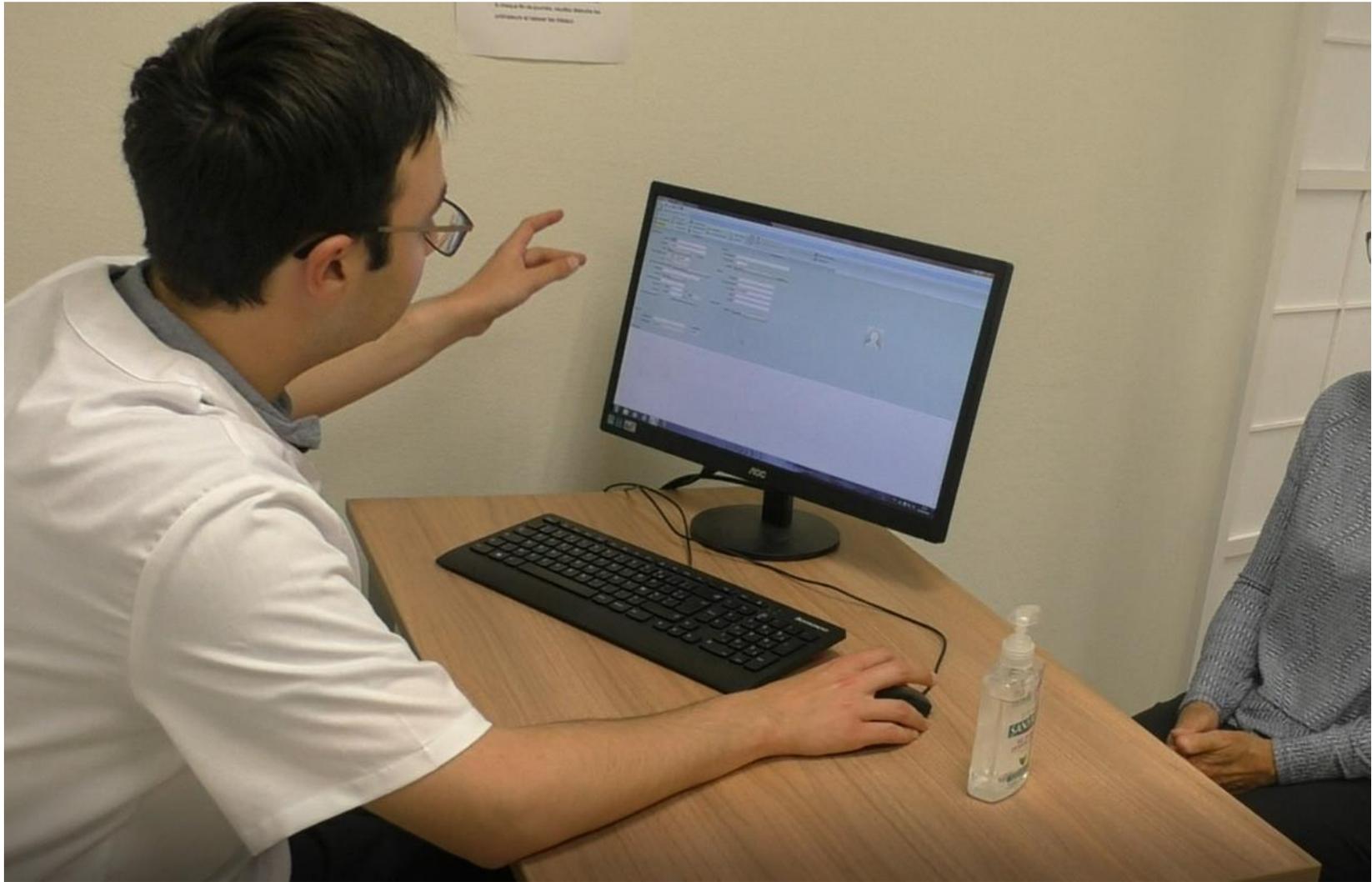


RESULTS ANALYSIS



THE 7.3 TEACHING UNIT PROJECT

MATERIAL AND METHODS



VIDEO SHOOTING

MATERIAL AND METHODS

QUESTIONS

RÉPONSES

47

UE 7.3

Le questionnaire vise à faire un premier état des lieux des compétences cliniques que vous avez pu commencer à acquérir depuis le début de votre troisième année. A partir de vos réponses, l'objectif est d'améliorer l'acquisition des compétences nécessaires à la consultation ostéopathique.

Auto-évaluez-vous de 1 à 5 à partir de vos premières expériences d'observations cliniques (1 non acquis - 3 partiellement acquis - 5 totalement acquis) :

Je suis capable de :

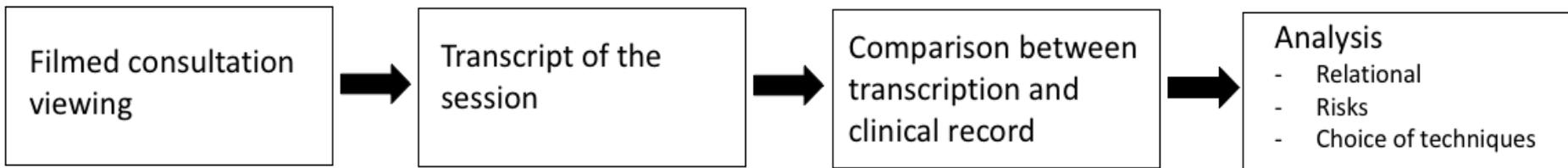
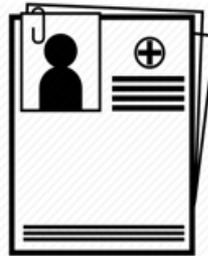
⋮

Accueillir et écouter la personne et son entourage en prenant en compte la demande et son contexte *

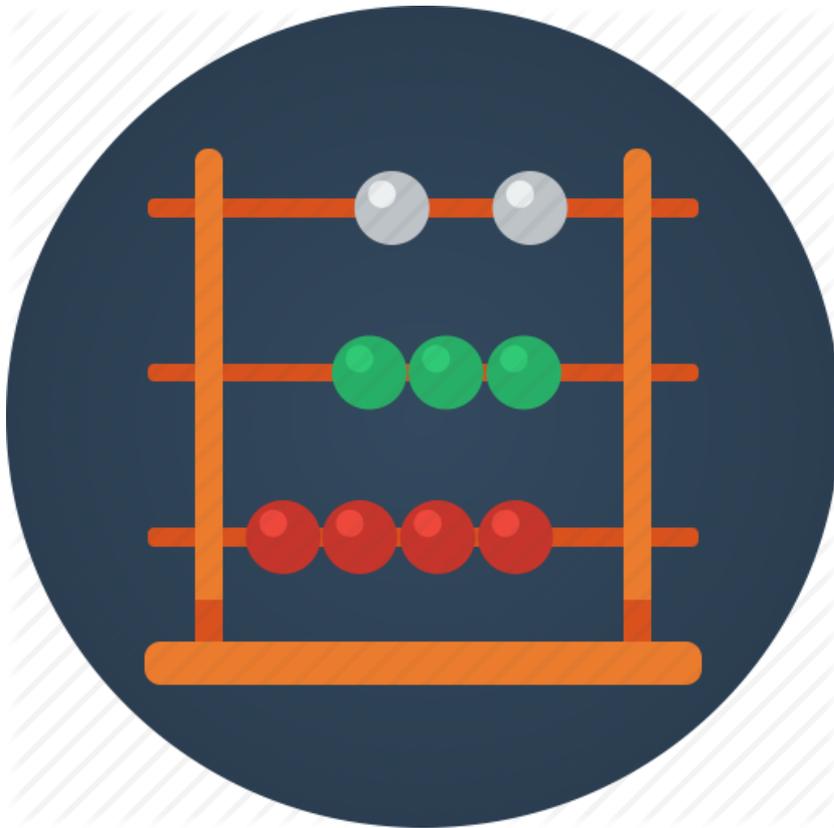
- 1
- 2
- 3
- 4
- 5

CAPTURE OF THE 10 ITEMS LIKERT-TYPE SURVEY

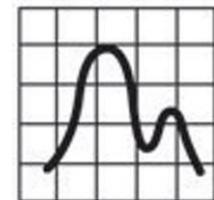
MATERIAL AND METHODS



MATERIAL AND METHODS



Descriptive statistics



T-test (Student)
Effect Size (Cohen's d)

DATA ANALYSIS

RESULTS

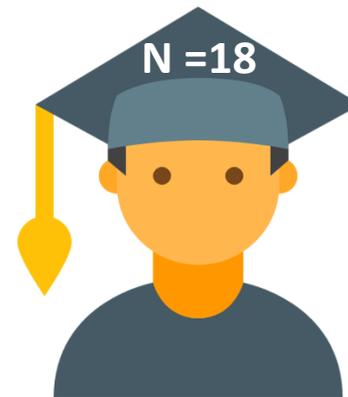
✓ **T0**

Y3 : 47 / 55 respondents (85%)

Y4 : 44 / 56 respondents (79%)

Y5 : 46 / 55 respondents (84%)

✓ **T1** **Y3** : 33 / 55 answers (60%)



RESULTS

✓ T0 Average Score

vs T1 : 2.9 vs 3.5 ($p < 0.05$) *

vs Y4 : 2.9 vs 3.1 (NS)

vs Y5 : 2.9 vs 3.6 ($p < 0.05$) *

✓ T1 Average Score

vs Y4 : 3.5 vs 3.1 (NS)

vs Y5 : 3.5 vs 3.6 (NS)

RESULTS

1. Apply appropriate manipulation and mobilization techniques

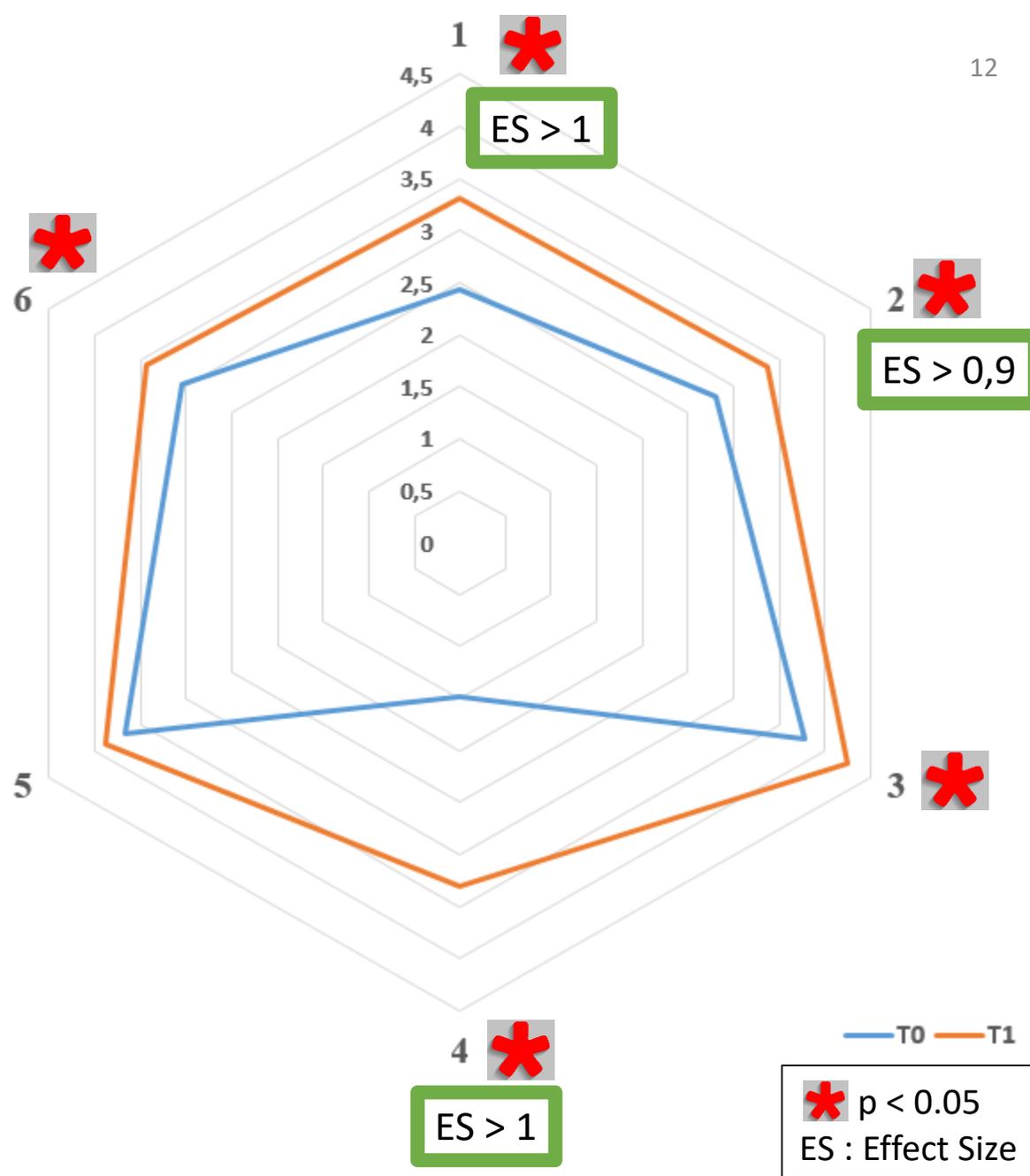
2. Identify the risks associated with the osteopathic procedure

3. Follow hygiene and safety rules

4. Ensure the traceability of osteopathic procedures

5. Welcome and listen to the person

6. Establish relationship modalities conducive to osteopathic treatment



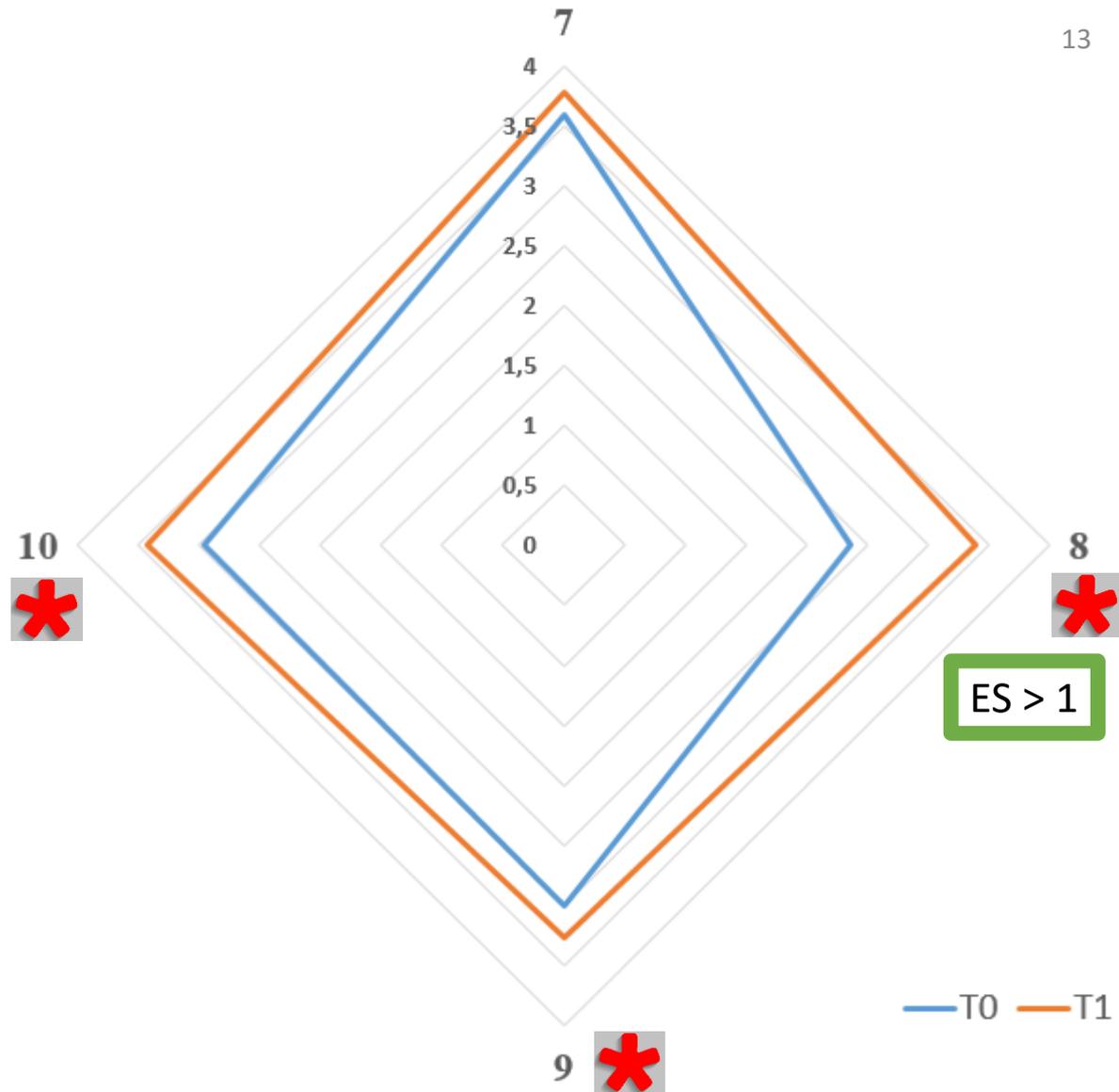
RESULTS

7. Explain the osteopathic treatment project, its benefit/risk ratio, possible side effects

8. Write a medical correspondence as part of multidisciplinary care

9. Provide preventive actions to help maintain and follow-up on people's health status

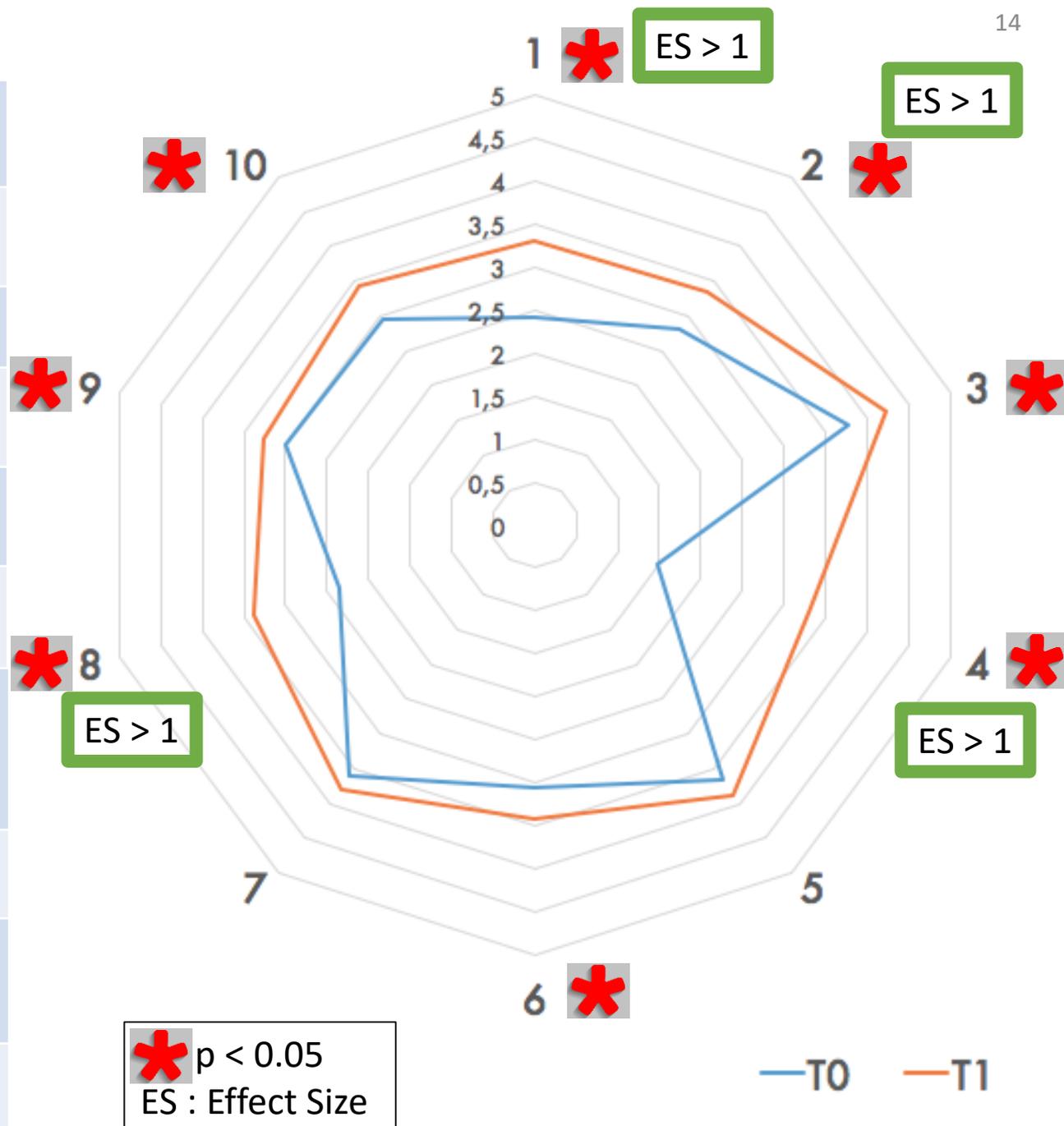
10. To assess the results of the osteopathic treatment



ADDED CLINICAL SKILLS ACQUISITION PERCEPTION AT T0 AND T1

RESULTS

1. Apply appropriate manipulation and mobilization techniques
2. Identify the risks associated with the osteopathic procedure
3. Follow hygiene and safety rules
4. Ensure the traceability of osteopathic procedures
5. Welcome and listen to the person
6. Establish relationship modalities conducive to osteopathic treatment
7. Explain the osteopathic treatment project, its benefit/risk ratio, possible side effects
8. Write a medical correspondence as part of multidisciplinary care
9. Provide preventive actions to help maintain and follow-up on people's health status
10. To assess the results of the osteopathic treatment

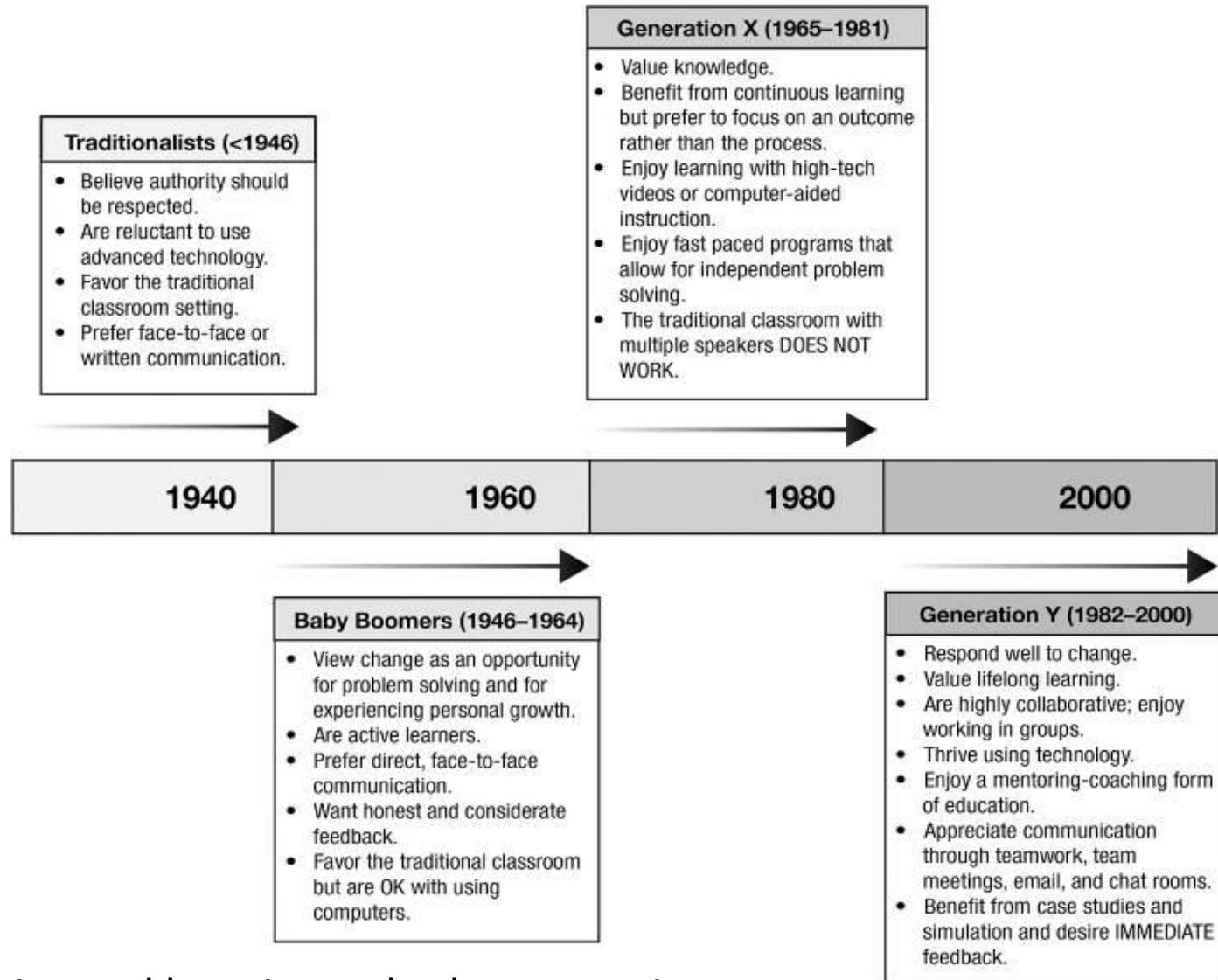


DISCUSSION

✓ Benefits of this methodology

- Real-time 
- Limiting the  effect
- Easy to use and 
- Addressing the 

DISCUSSION



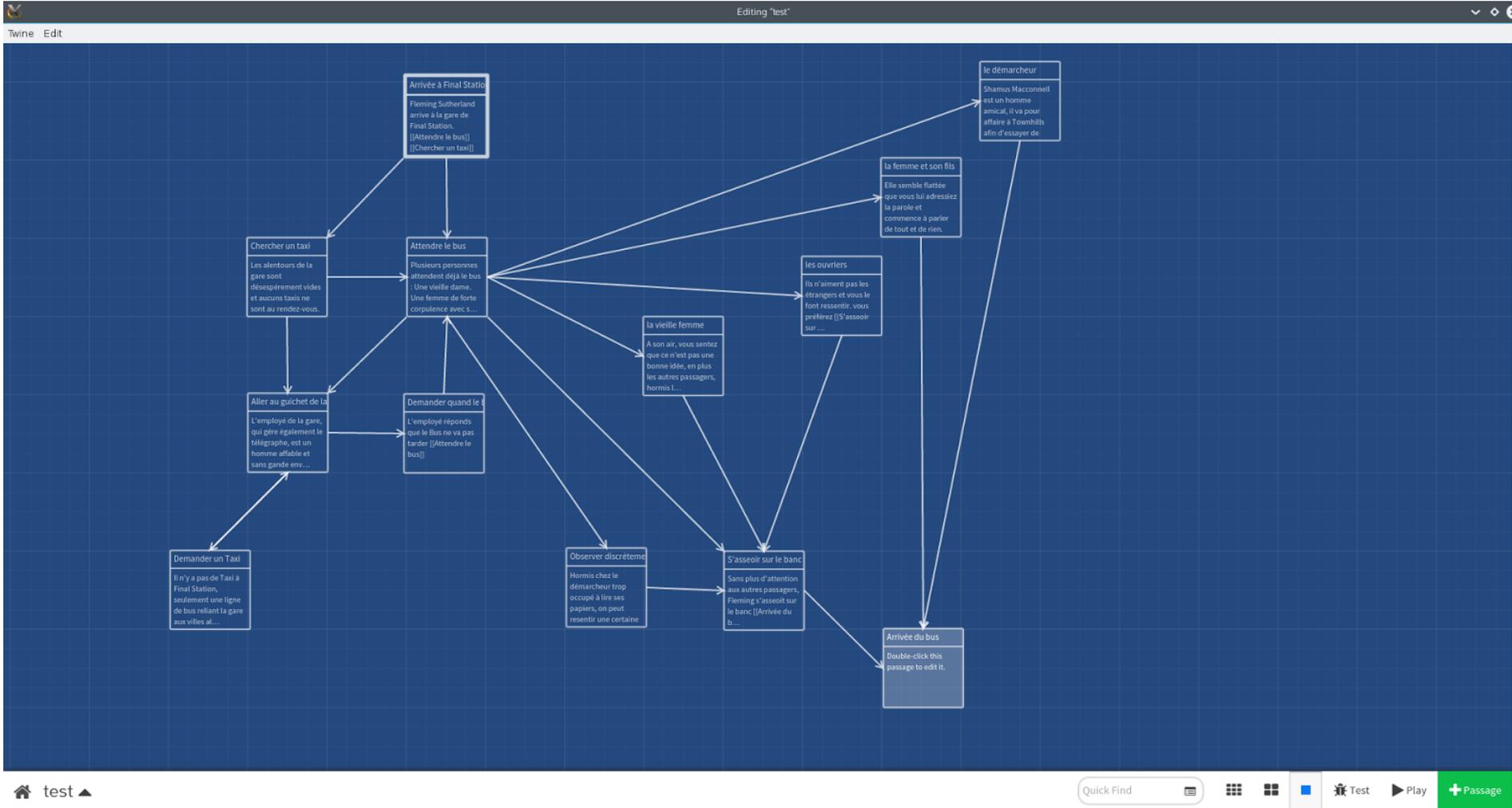
Teaching and learning styles by generation

DISCUSSION



Creating a video library of relevant clinical cases

CONCLUSION





Thank you for your attention !