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

Preliminary study on 3rd year osteopathic students

Hakim MHADHBI, DO, MSc
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.


INTRODUCTION


MATERIAL AND METHODS

THE 7.3 TEACHING UNIT PROJECT
MATERIAL AND METHODS

VIDEO SHOOTING
MATERIAL AND METHODS

CAPTURE OF THE 10 ITEMS LIKERT-TYPE SURVEY

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
MATERIAL AND METHODS

COURSE SEQUENCE METHODOLOGY

Filmed consultation viewing

Transcript of the session

Comparison between transcription and clinical record

Analysis
- Relational
- Risks
- Choice of techniques
MATERIAL AND METHODS

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

TEACHING UNIT 7.3 CLINICAL SKILLS ACQUISITION PERCEPTION AT T0 AND T1
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

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*p < 0.05

ES : Effect Size
✓ **Benefits of this methodology**

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

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Evans, J. R., & Mathur, A. (2013). The value of online surveys. *Internet Research*
Teaching and learning styles by generation

Creating a video library of relevant clinical cases

Thank you for your attention!