

# Out of hospital neonatal resuscitation: a control randomised study

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**Promoteurs:** Ghuysen Alexandre et Bragard Isabelle

# 1. Background

# Childbirth

- High risk event (Mileder et al., 2014)
- Full-term infants with hypoxia : 0,6% mortality (Gold et al., 2009)



Neonatal resuscitation: 5,3% childbirth (CPIP, 2014)

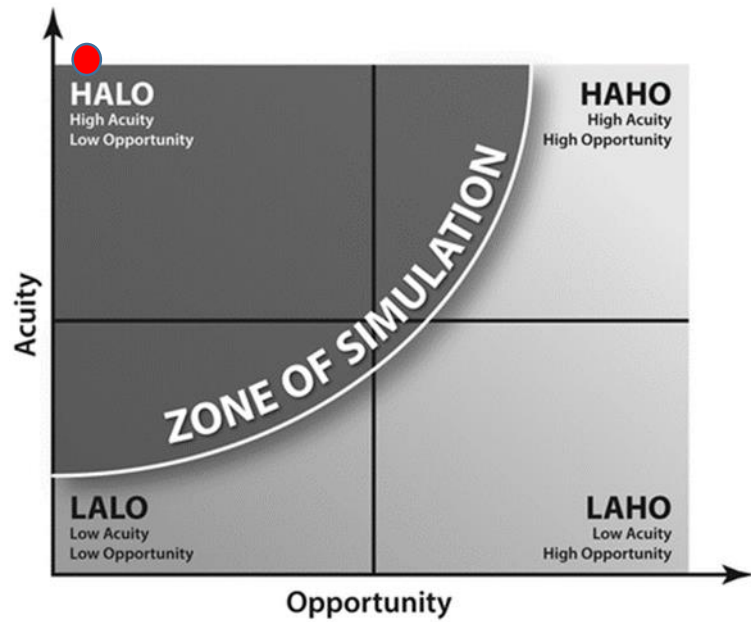
64 unannounced deliveries → 20% preterm infants



Limited expertise (Nadel et al., 2000)

Knowledge, Skills and Attitudes (Halamek et al., 2016)

# Simulation

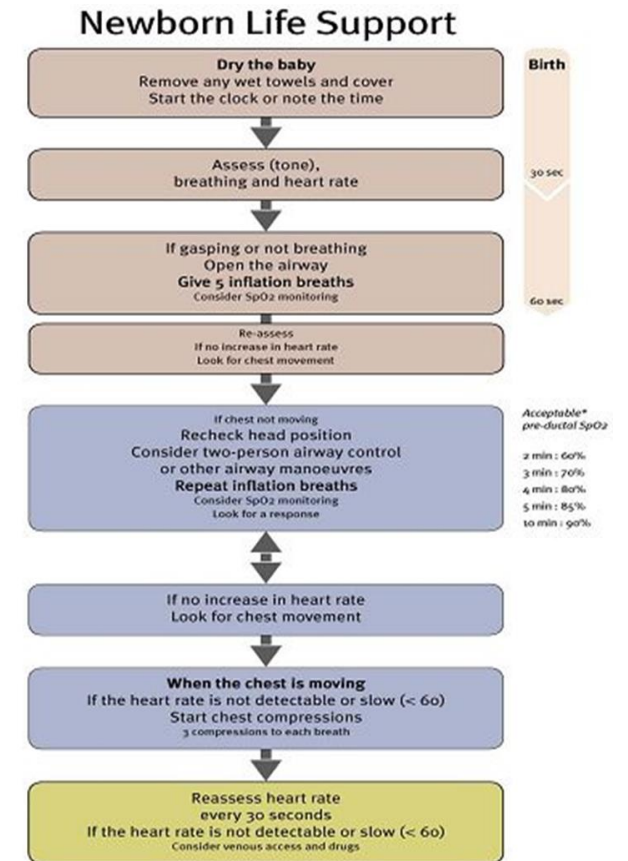


(Chiniara, 2013)



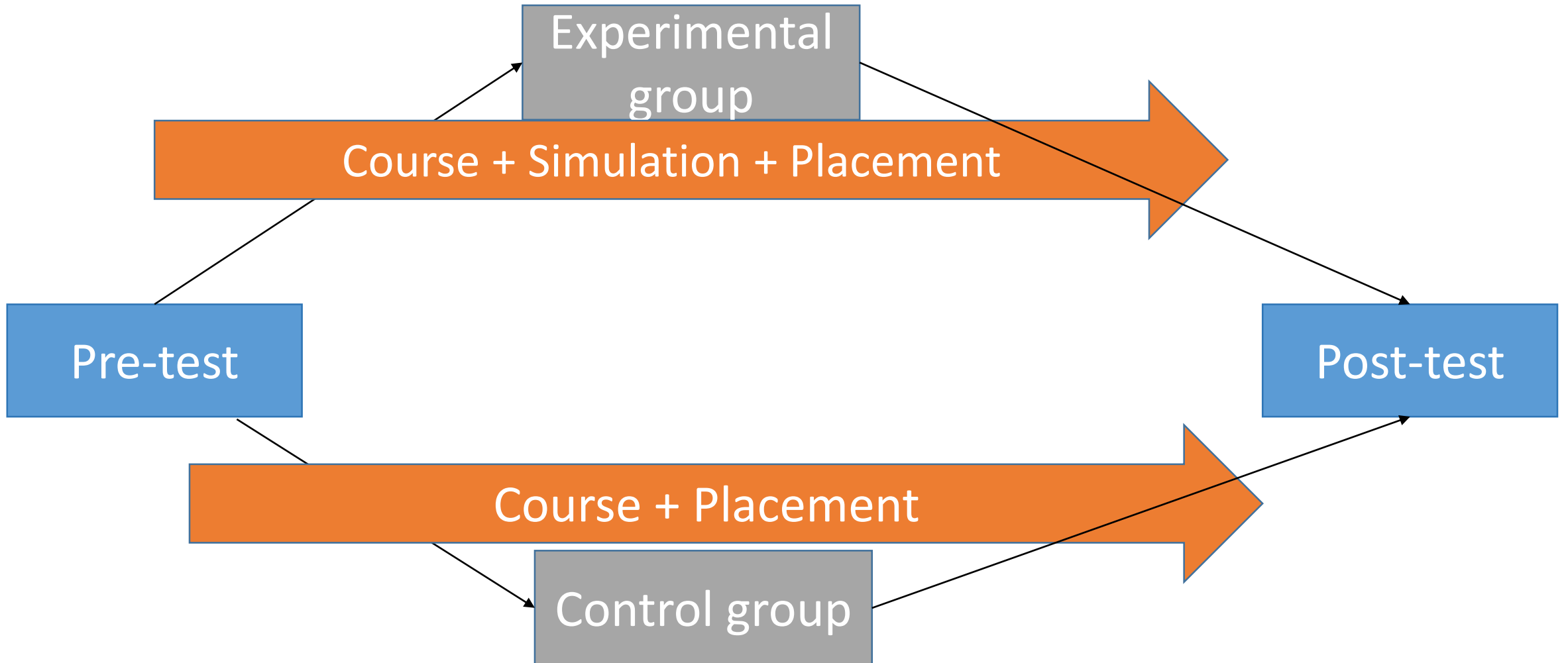
# Aims

- Comparison simulation with traditional teaching
- Knowledge and Skills
- Nurses students



## 2. Material and methods

# Design



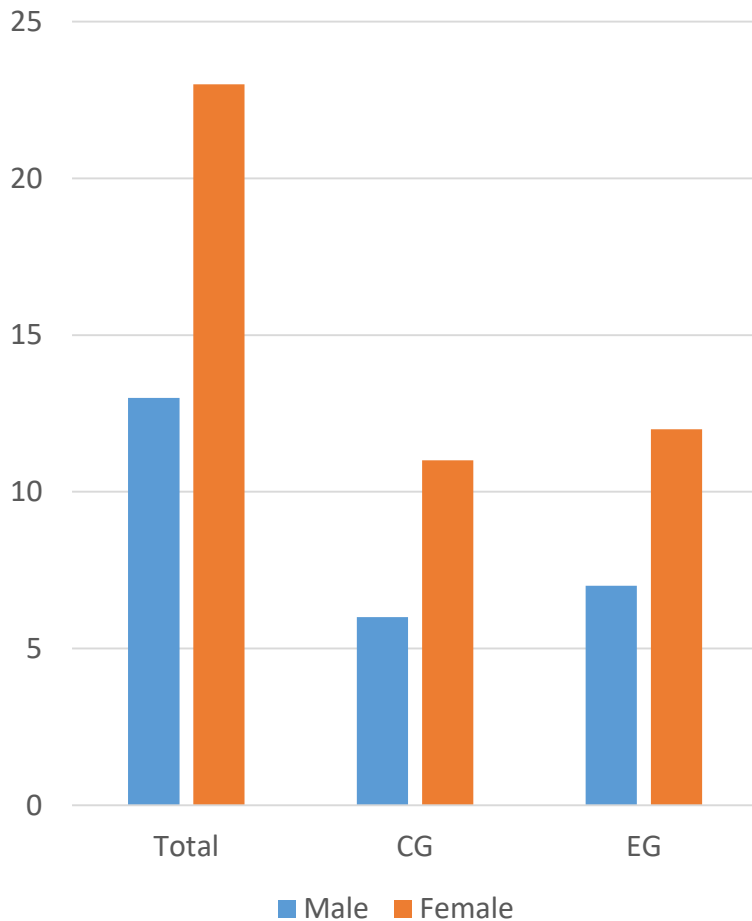
# Assessment tool

- Questionnaire concerning guidelines and knowledge
- Evaluation framework : skills



# 3. Results

# Participants: 36 students



Mean age

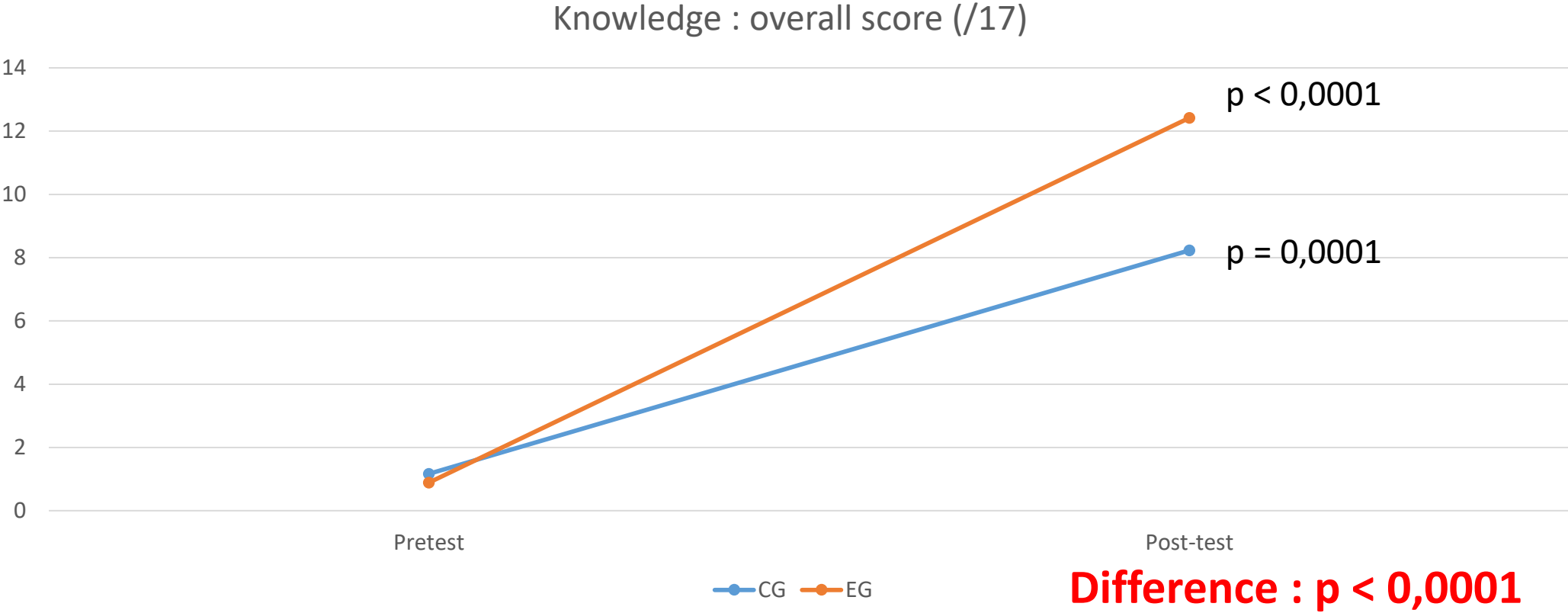
Total : 22 (22-23) ans

GC: 22 (22-23) ans

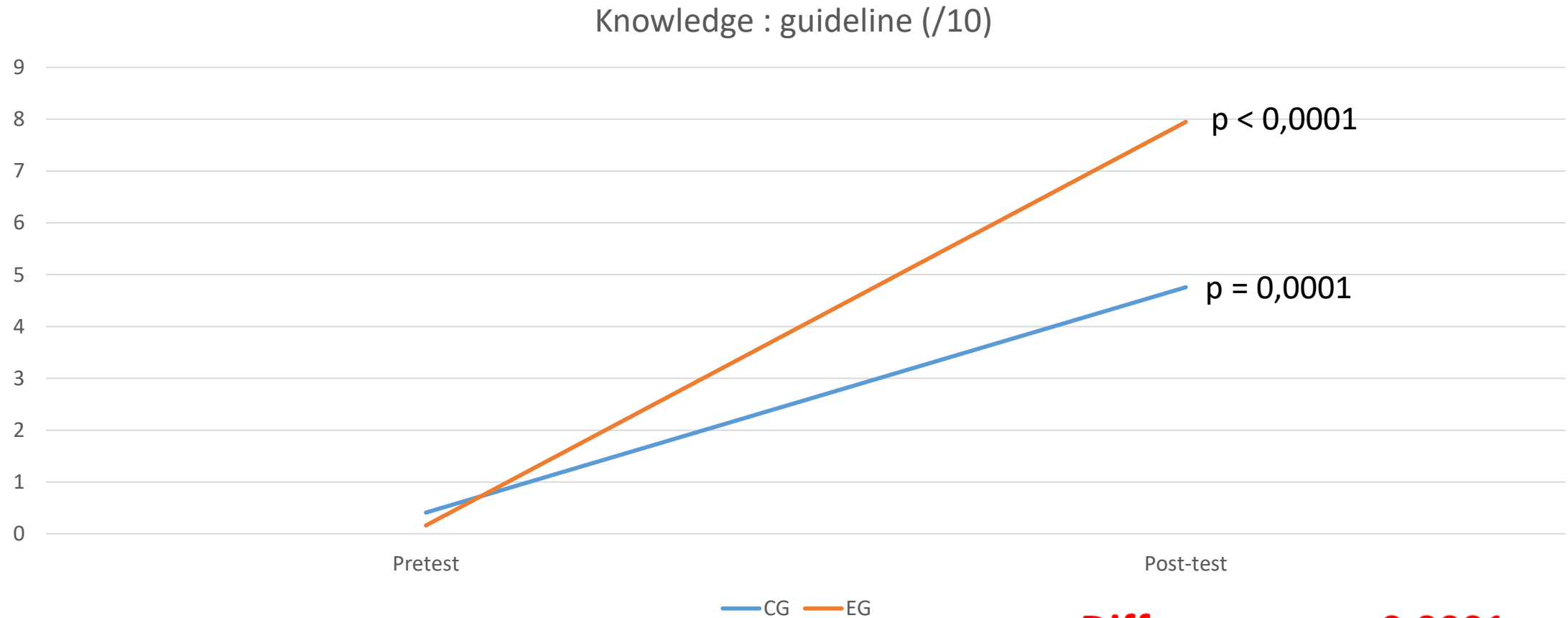
GE: 22 (22-23) ans

Homogeneity

# Global knowledge

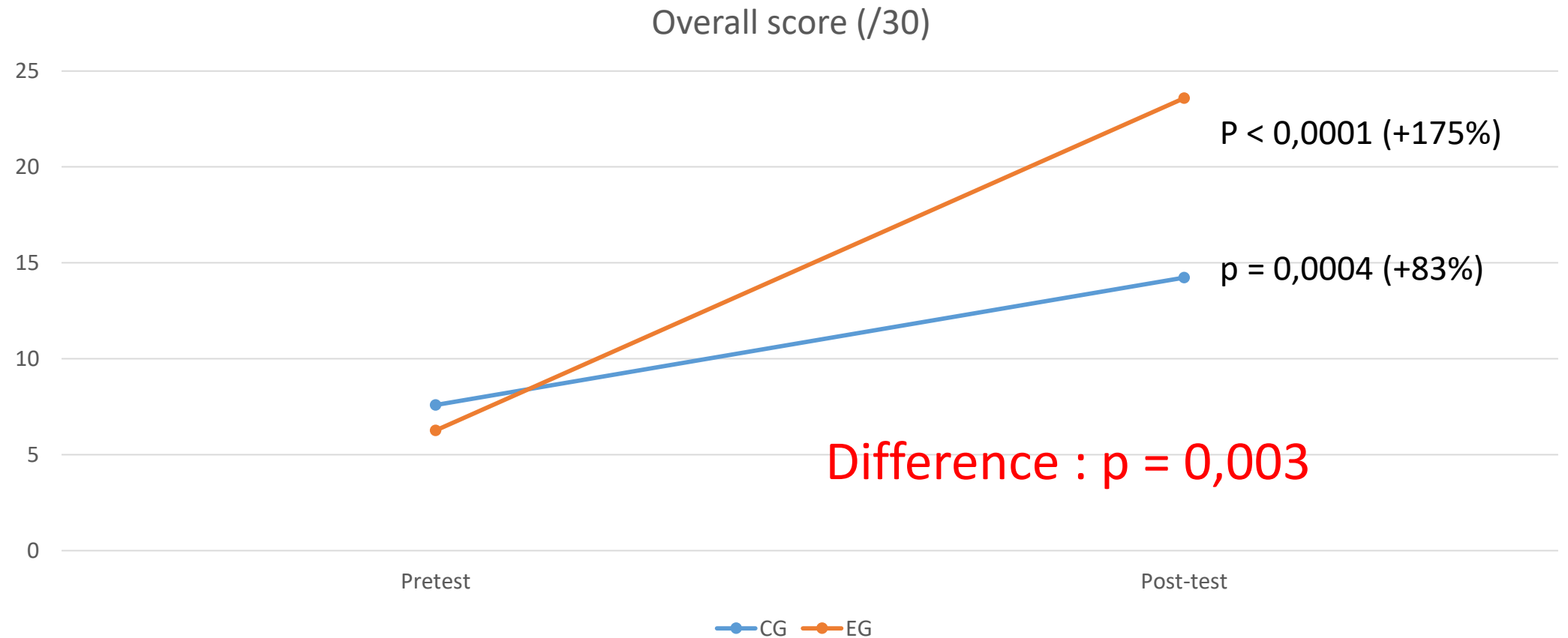


# Knowledge : guideline



**Difference :  $p < 0,0001$**

# Technical and procedural skills



## 4. Conclusion and perspectives

# Conclusion

- Simulation and placement improve knowledge and skills
- Improvement : simulation > traditional teaching
- Small sample / single site trial

# Perspectives

- Multicentre trial
- Non-technical skills : leadership and communication
- Number of sessions and interval between 2 sessions



Thank you for  
your attention



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