

Place and interest of high-fidelity simulation in the formation of midwives' students

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### Introduction

18th century:

Madame

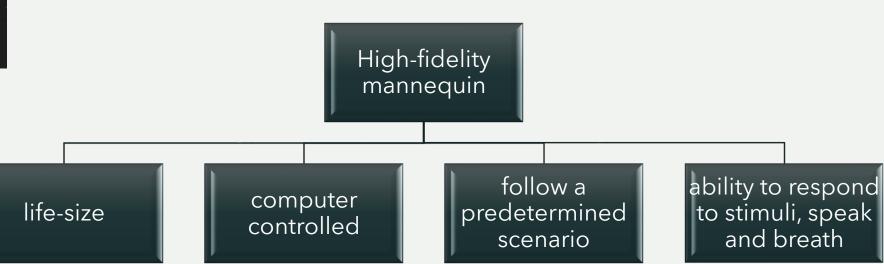
Angélique

du Coudray

Late 20th century: emergency medicine and anaesthesiareanimation

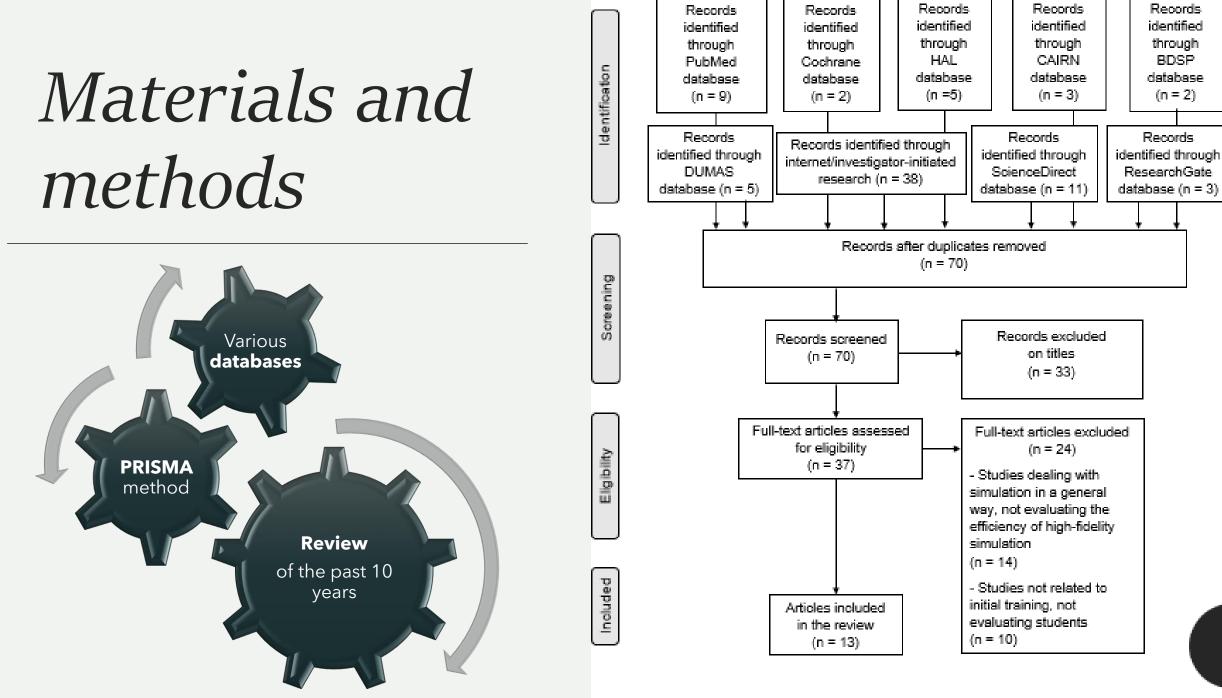


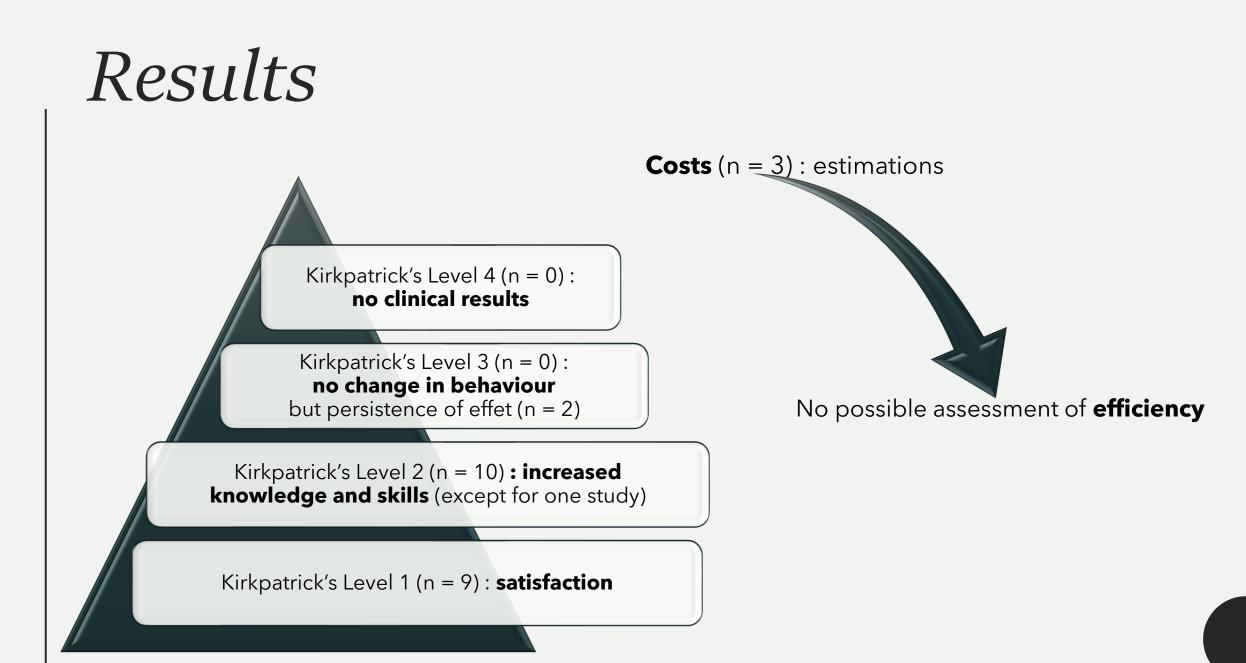
Early 20th century: hazardous industries 21th century: maieutics (post-partum haemorrhage, neonatal resuscitation)



## Main objective

Evaluate **the effectiveness of high-fidelity simulation** in the initial training of midwifery students, based of each <u>Kirkpatrick's Levels</u> (reactions, learning, behaviour and results), as-well-as <u>cost-related</u> results.





### Discussion

allows to mix theory and near-real implementation

proactive and entertaining learning method



INTEREST of high-fidelity simulation in maieutics



improves skills in the short and medium term

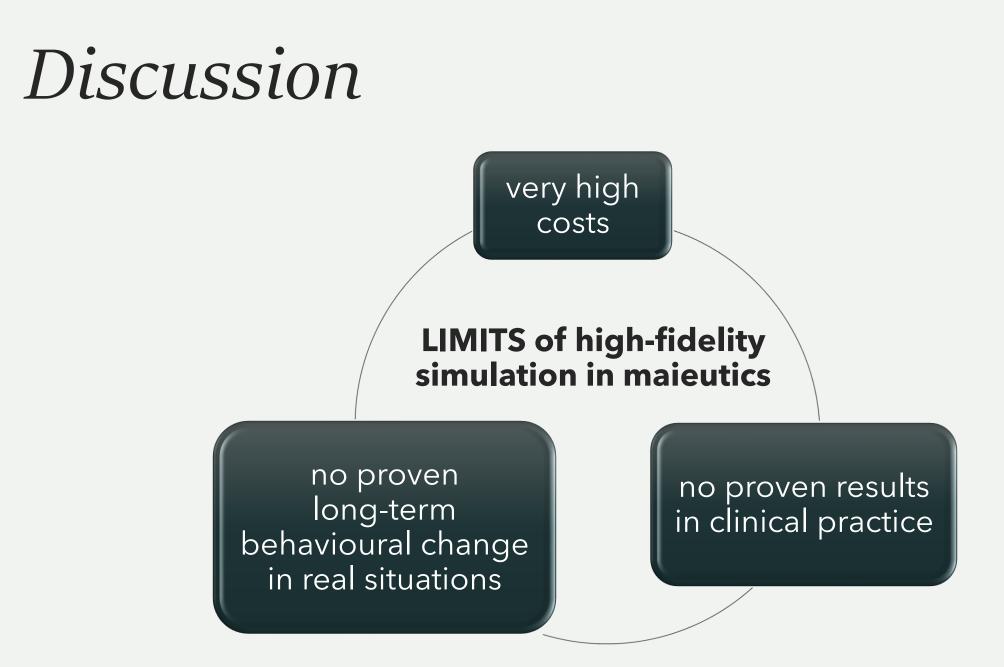
effective to increase knowledge



#### Discussion

Expenditure items	Costs (including taxes)
Use of adapted premises (construction/rental)	€
Space heating and maintenance	€
Audiovisual equipment of premises and maintenance	€
High-fidelity mannequins (purchases/maintenance)	€
Supplies (hygiene equipment, fluids, etc.)	€
Secretarial and office automation expenses	€
Training costs / transport expenses of training staff	€
Remuneration of trainers	€
Remuneration of essential technician(s)	€
Subtotal	€
Number of teaching hours	
Number of students	
Average cost per hour per student:€	

Costs study Determination of **efficiency**, profitability **Return of** investment



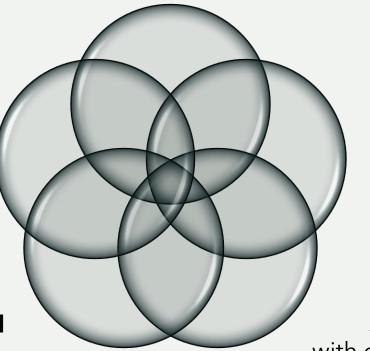
### Conclusion et outlook

#### **Studies evaluating**

Kirkpatrick's Levels 3 and 4 (behavioural change and clinical practice outcomes)

Conducting sessions with more student **observers** 

Creation of **regional** simulation **centres** 



#### **Standardization** of practices (common programs, choice of thematic areas)

**Sharing** of teaching with other students concerned



# Thank you !