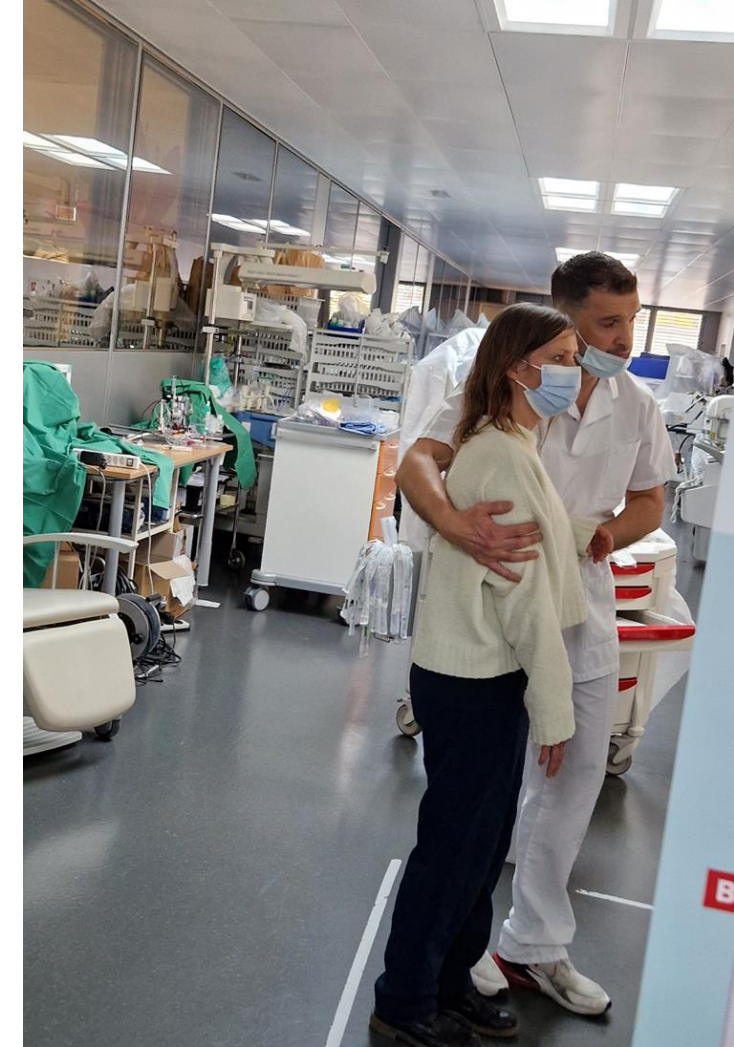
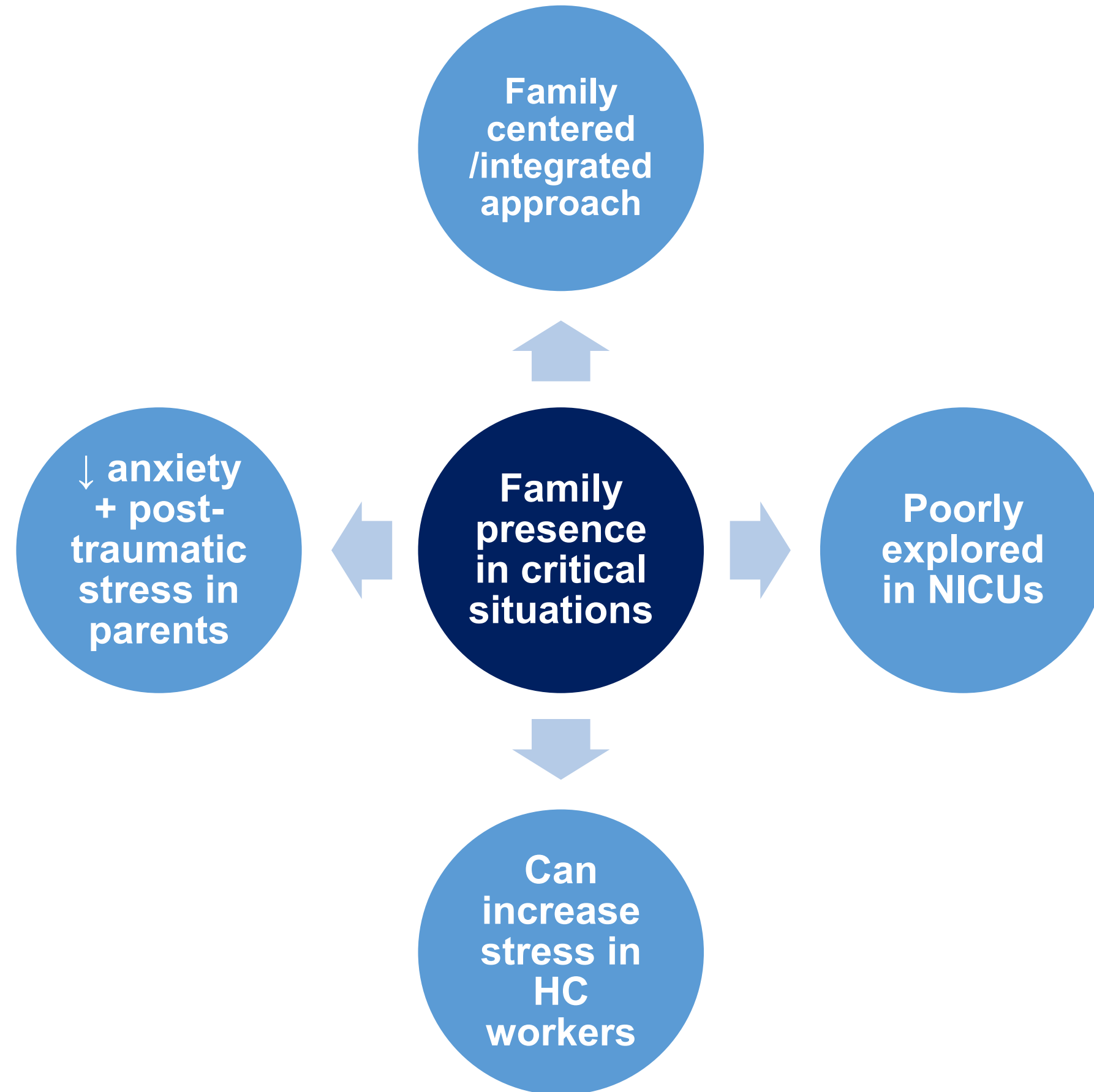


Educational simulation training for parental presence during critical situations in the NICU: an observational study

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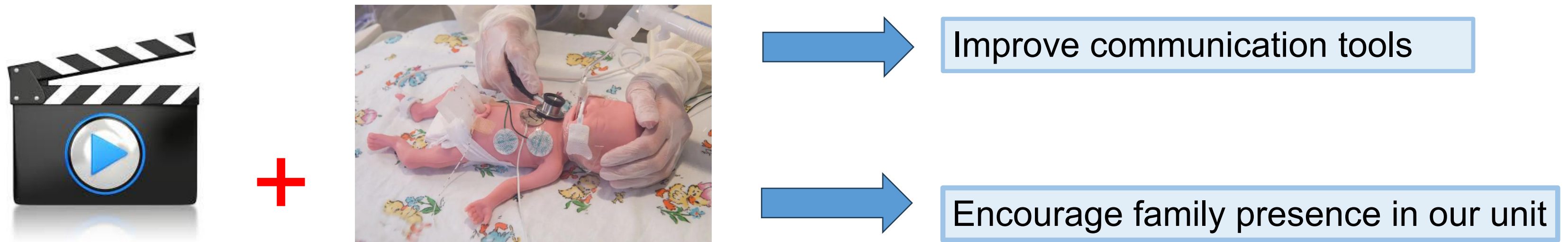
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Background



Background and aims

- Hybrid simulation program (video + simulation)



- Evaluate impact on NICU staff members' stress.

Study design



NICU of the Geneva University Hospitals June 2022-23

Pedagogical
40 mins video



POPULATION : Participants from NICU

- physicians
- nurses
- nursing assistants (NA)

Items	Not at all	Somewhat	Moderately so	Very much so
1 I feel upset	1	2	3	4
2 I feel frightened	1	2	3	4
3 I feel nervous	1	2	3	4
4 I feel jittery	1	2	3	4
5 I feel confused	1	2	3	4

OUTCOME : STAI State-Trait Anxiety score

Neonatologist
leading the
simulation program



Participants



Psychologist



Items	Not at all	Somewhat	Moderately so	Very much so
1 I feel upset	1	2	3	4
2 I feel frightened	1	2	3	4
3 I feel nervous	1	2	3	4
4 I feel jittery	1	2	3	4
5 I feel confused	1	2	3	4

OUTCOME : STAI State Anxiety score

STEP 1 : STRESS EVALUATION BEFORE TRAINING

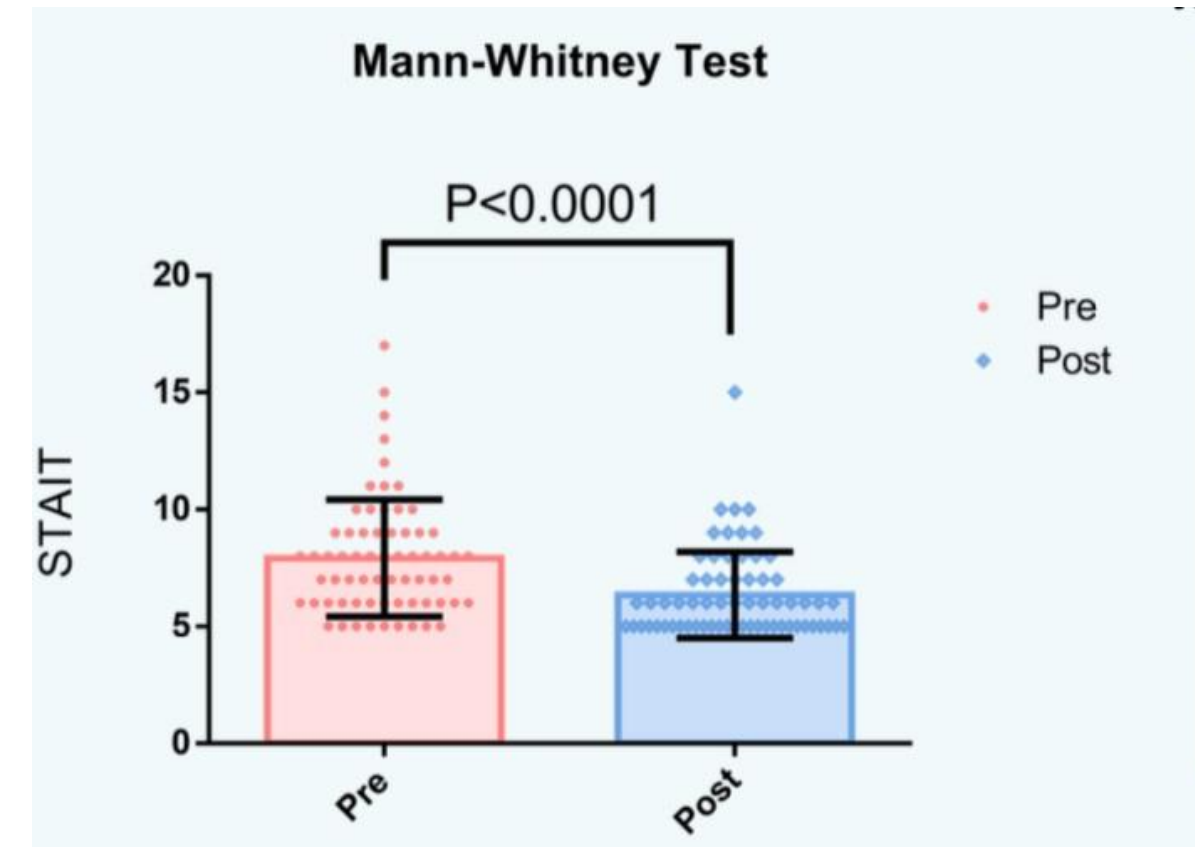
STEP 2 : TRAINING WITH VIDEO+ SIMULATION

STEP 3 : STRESS EVALUATION AFTER TRAINING



Results and conclusion

- 16 simulations, 66 participants
 - 4 different scenarios
 - ≠ patterns of parental behavior (professional actors)
- Mean stress score:
- Pre-simulation 7.92/ 20 (IQR 6-9) vs
- Post- simulation 6.35/ 20 (IQR 5-7)
- ↓ NICU team emotional stress related to parental presence in critical situations



**Thank you
for your attention!**