

DOES PAIN SENSATION DURING EMBRYO TRANSFER DECREASE THE PROBABILITY OF CLINICAL PREGNANCY

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INTRODUCTION

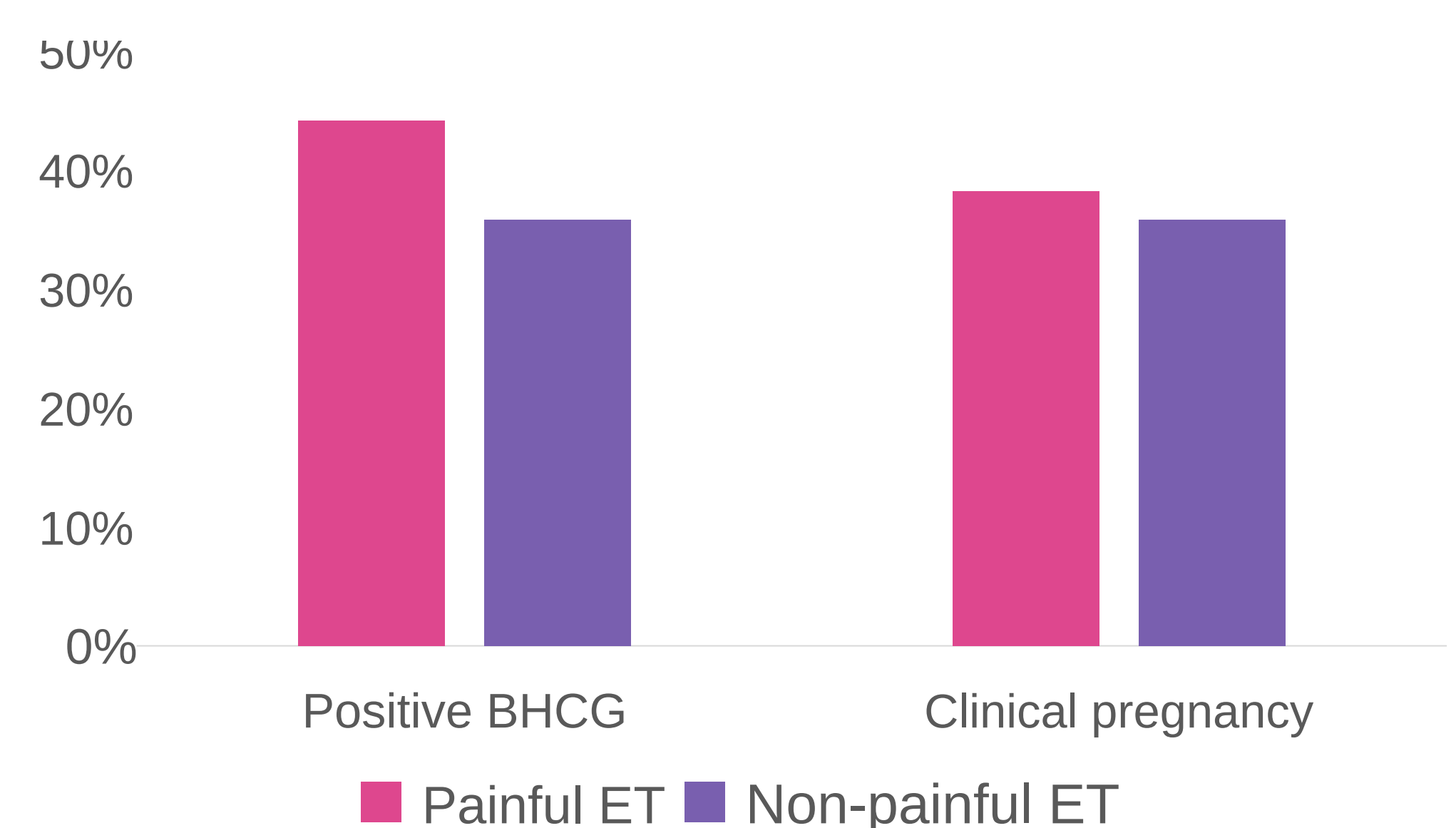
- Difficult embryo transfer (ET) has been associated with poor reproductive outcomes.
- There is little evidence regarding the impact of pain perception during ET on treatment success.
- We aimed to study whether pain sensation during ET is associated with a decreased probability of clinical pregnancy.

METHODS

- Prospective cohort study
- Study period: February 2024 - December 2024.
- Included: women aged ≤ 40 yr undergoing their first, second or third ET - fresh or frozen.
- Pain was assessed following ET using a visual analog scale (VAS).
- Patients were categorized into two groups;
 - Non-painful ET group (VAS=1)
 - Painful ET group (VAS>1)

RESULTS

- 121 patients were included; 53 in the non-painful ET group and 68 in the painful ET group.
- Baseline characteristics were comparable.
- Patients in the non-painful and painful ET groups had similar rates of positive pregnancy test and clinical pregnancy.
- On multivariate analysis, painful ET was not associated with reduced probability of clinical pregnancy



CONCLUSION

- Pain perception during ET was not associated with decreased probability of clinical pregnancy.
- These findings provide reassurance to patients who experience pain during ET, despite maximal efforts to minimize discomfort.