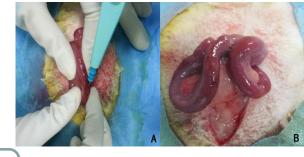
<u>Cite this as:</u> Xin-xin XU, Lian-bao CAO, Zhe WANG2, Zhen XU, Bing-qian ZHANG, She-ling WU, Sha-sha QI, Lei YAN, Zi-jiang CHEN, 2018. Creation of a rabbit model for intrauterine adhesions using electrothermal injury. *Journal of Zhejiang University-Science B (Biomedicine & Biotechnology)*, 19(5):383-389. https://doi.org/10.1631/jzus.B1700086

## Creation of a rabbit model for intrauterine adhesions using electrothermal injury

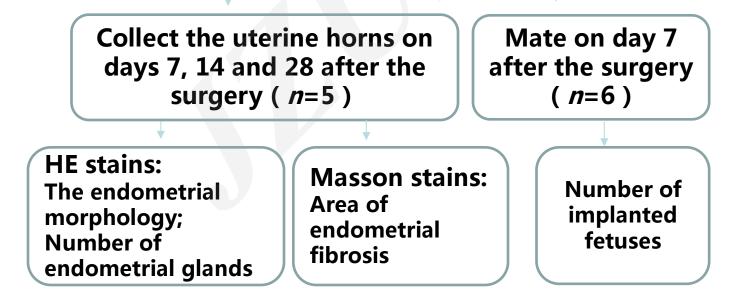
Key words: Intrauterine adhesions, Electrothermal injury, Rabbit model



## Research Summary

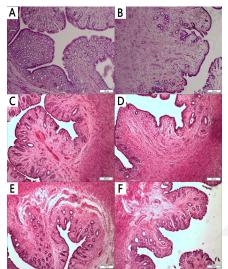
A total of 21 mature female New Zealand White rabbits

Surgery: each rabbit had its own internal control: group A: electrothermal injury (*n*=21); group B: no treatment (*n*=21)

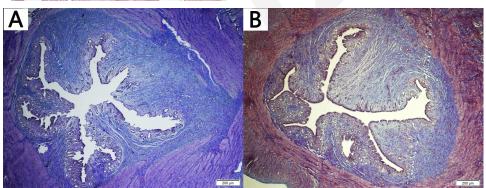


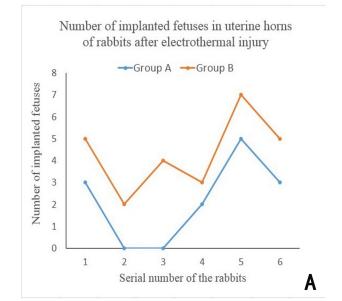
## **Research Summary**

In this study, we used electrothermal injury to construct animal models of IUA in New Zealand White rabbits and evaluated the impact of the injuries in the following aspects:



- Endometrial morphology
- Number of endometrial glands
- Area of endometrial fibrosis
- Number of implanted fetuses





## Innovation points

• We first designed and tested a rabbit model of IUA using electrothermal injury and demonstrated that electrothermal injury was effective in forming IUA between 7 and 14 days after surgery.

• We included fertility assessment in this study as a parameter for evaluating the impact of the injuries in this model.