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# **Yimu San improves obstetric ability of pregnant mice by increasing serum oxytocin levels and connexin 43 expression in uterine smooth muscle**

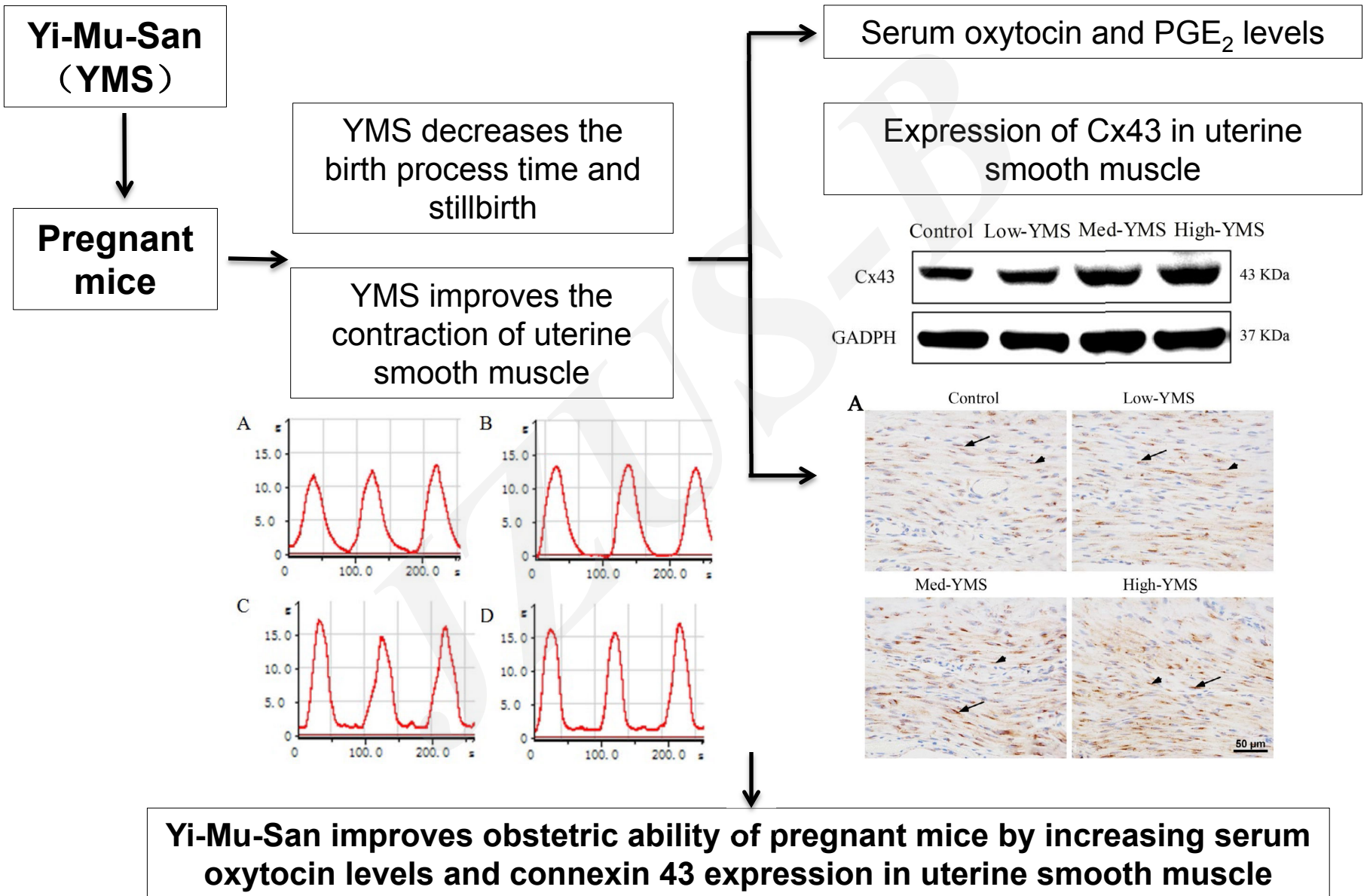
**Key words:** Yimu San, Delivery ability, Uterine contraction, Oxytocin, Prostaglandin E<sub>2</sub>, Connexin 43

# ***Research Summary***

**This study aims to explore the effects and mechanism of Yi-Mu-San (YMS), a Chinese veterinary medicine micro mist, on delivery ability with mice models, in the following aspects:**

- **Effect of YMS on the birth process time and stillbirth rate in mice**
- **Effect of YMS on the contractions of uterine smooth muscle**
- **Effect of YMS on serum oxytocin and PGE<sub>2</sub> levels**
- **Effect of YMS on the expression levels of Cx43 protein in uterine smooth muscle**

# Innovation points



# ***Innovation points***

**The effects and mechanism of Yi-Mu-San (YMS) on delivery ability with mice models, are summarized to the following figures.**

**Figure 1 | Effect of YMS on the labor process time and stillbirth rate in each group.**

**Figure 2 | Effect of YMS on the contractions of uterine smooth muscle.**

**Figure 3 | Effect of YMS on serum oxytocin and PGE<sub>2</sub> levels.**

**Figure 4 | Effect of YMS on the expression levels of Cx43 in uterine smooth muscle.**

**Figure 5 | Effect of YMS on Cx43 immunoreactivity in myometrium.**