



A successful treatment strategy based on ovarian cyst aspiration in a high-yielding dairy cow

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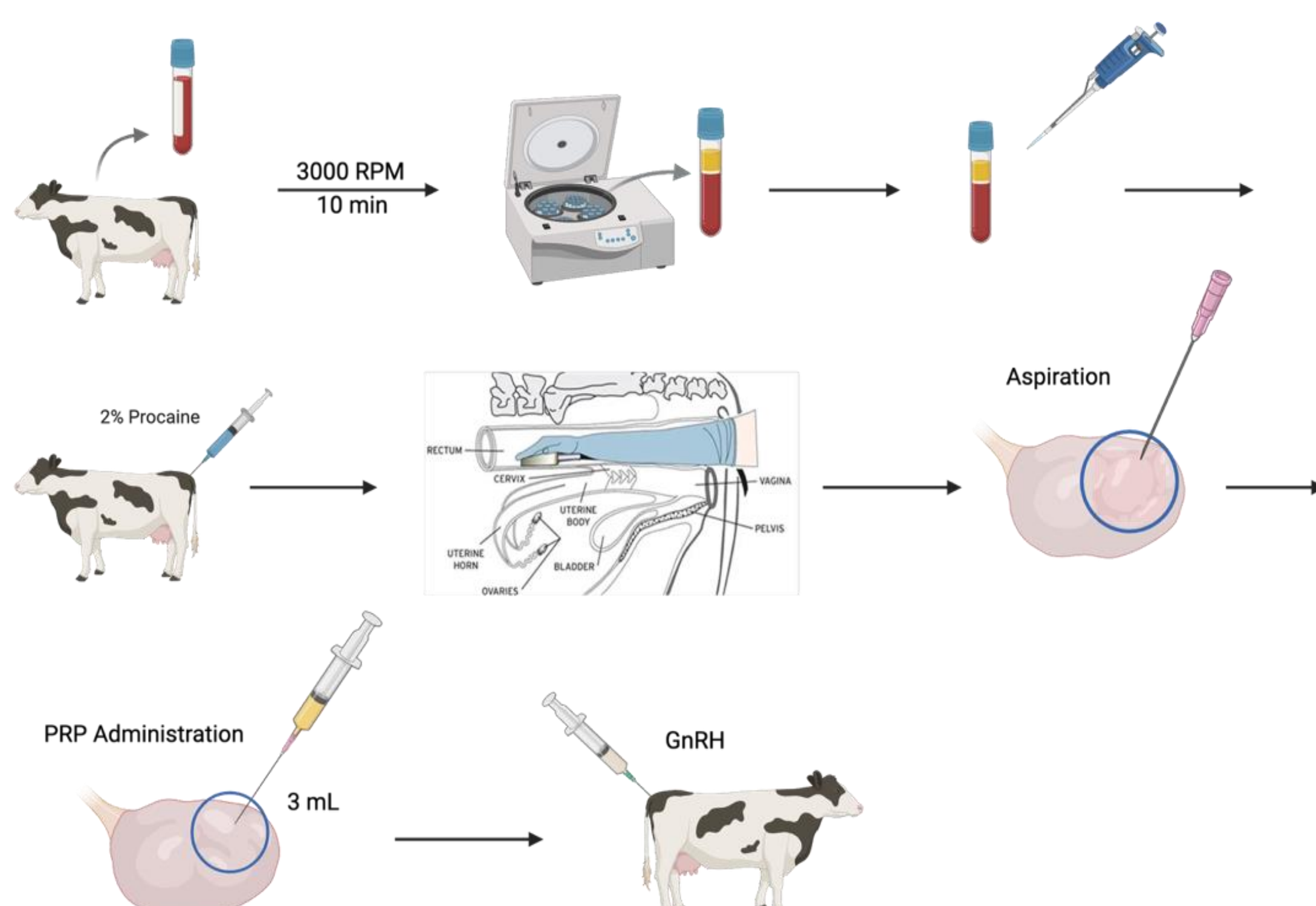
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Abstract: *This case report describes the successful treatment of ovarian cysts in a dairy cow using ultrasound-guided cyst aspiration combined with autologous PRP and GnRH therapy, which restored normal estrus and allowed pregnancy. The outcome suggests that PRP-based regenerative approaches may serve as effective, minimally invasive strategies for improving fertility in high-producing cows.*

• Introduction

Ovarian cysts are a major cause of reproductive inefficiency in high-producing dairy cows, often associated with metabolic, endocrine, and postpartum disorders. Because standard hormonal treatments can have inconsistent outcomes, this report presents a therapeutic approach combining ultrasound-guided cyst aspiration with autologous PRP and GnRH to restore ovarian function and achieve successful rebreeding.

• Material and method



• Results and discussions

Ovarian function returned rapidly after treatment, with estrus detected within 10 days, followed by timely insemination and confirmed pregnancy. Ultrasonography showed complete cyst resolution and normal cyclicity restoration, and the cow remained clinically stable with no complications.

• Conclusions

This case indicates that combining ultrasound-guided cyst aspiration with intraovarian PRP and GnRH stimulation can successfully restore ovarian cyclicity and result in conception in cows with complex ovarian cysts. The outcome supports PRP as a promising adjunct therapy, though wider adoption will require standardized protocols and further comparative evaluation.

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