

**VETERINARY ACUPUNCTURE ON MARE REPRODUCTION:  
A BRIEF REVIEW**

OLIVEIRA, David Augusto Cavalcante<sup>1</sup>; Portal, Camille Gabriela Ramos<sup>2</sup> ARAUJO,  
Ariellen da Rocha<sup>3</sup>; OLIVEIRA, Carlos Augusto Cavalcante<sup>4</sup>

**RESUMO**

**Introduction:** The acupuncture has broadly been investigated due to its technical use applied for myriad situations, including bodyweight losses and suppression of the delayed-sorted hypersensitivity for humans. In veterinary science, the using methods and the applicability of acupuncture have provided advances, many of which involve pregnancy success in equine because some authors have reported adaptations for the estrous cycle in that species. Although the discussion may be able to indirectly contribute to studies viewing the reproductive success, low papers regarding specifically the benefits of acupuncture on mare reproduction have been carried out. It was hypothesized the treatment may regulate hormone levels of the estrous cycle. **Objective:** It was aimed an approach lay-outing about veterinary acupuncture on mare reproduction. **Material and methods:** Research findings that approach issues of veterinary acupuncture within the mare were analyzed. The platforms Google Scholar, ResearchGate, ScienceDirect, and SciELO were consulted. The main key-words were “acupuncture + mare” and “Science + acupuncture”. Some words were substituted by its synonymous and correspondents in Portuguese. **Results:** It was possible to conclude acupuncture treatment may modulate endocrines and neurological responses which may be an alternative to either substitution or complement of the hormonal treatment. In an experiment involving the acupoint *Bai Hui*, it was reported the estrous induction, and the pregnancy success rate for mares treated was 88.88% comparing with 58.33% of control animals. Furthermore, it was reported induction of luteolysis in mares receiving micro-dose of PGF2 alpha at *Bai Hui* as an alternative able to be compared with conventional administration while it was proven to be efficient treating sub-fertile mares. **Conclusion:** Acupuncture evidenced influences upon reproductive rates in mares and, once animals became more affable, it may be a method able to facility the handle.

**Key-words:** acupuncture, mares, reproduction

<sup>1</sup> Universidade Federal Rural da Amazônia, Belém, Pará.  
[oliveiradavidcavalcante2019@gmail.com](mailto:oliveiradavidcavalcante2019@gmail.com)

<sup>2</sup> Universidade Federal Rural da Amazônia, Belém, Pará. [camilleramos6@gmail.com](mailto:camilleramos6@gmail.com)

<sup>3</sup> Universidade Federal Rural da Amazônia, Belém, Pará. [ariellen21hoshi@gmail.com](mailto:ariellen21hoshi@gmail.com).

<sup>4</sup> Universidade Federal Rural da Amazônia/PIBIC Embrapa, Belém, Pará.  
[augustocavalcantecarlos@gmail.com](mailto:augustocavalcantecarlos@gmail.com)