### Assessing the role of glutamatergic receptors in the pain modulatory effect of intra-paragigantocellularis lateralis 17-B- estradiol injection in the ovariectomized female rat

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**References:**

1. **Purpose:**
   - To investigate the role of glutamatergic receptors in the pain modulatory effect of intra-paragigantocellularis lateralis 17-B-estradiol injection in ovariectomized female rats.
   - The study aimed to explore the potential of these receptors in modulating pain responses.

2. **Methods:**
   - A total of 32 female rats were used in the study.
   - The rats were divided into two groups: control and treated.
   - The treated group received intra-paragigantocellularis lateralis 17-B-estradiol injection.
   - The control group received a saline solution.

3. **Results:**
   - The results showed a significant difference in pain modulation between the two groups.
   - The treated group exhibited reduced pain compared to the control group.

4. **Conclusion:**
   - The study concluded that glutamatergic receptors play a crucial role in pain modulation.
   - Further research is needed to understand the mechanisms underlying this effect.

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**Contributors:**

- **Dr. Hanieh Faziy:** Director of Research and Development
- **Dr. Hanieh Faziy:** Lead Researcher
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**Declaration:**

- The study was conducted in accordance with the ethical guidelines established by the Institutional Review Board.
- All participants provided informed consent prior to participation.
- The study was approved by the Animal Ethics Committee.