Aims and Objectives
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**Aim:** To investigate the role for dopamine in mediating ovariectomy and estrogen treatment induced changes in VMH, NSL, and BLA on ingestive behaviors and body weight.

**Objectives:**

- To study and compare the effect of estradiol benzoate injected into VMH, NSL and BLA on food and water intake and body weight in ovariectomized albino rats.

- To determine and compare the effect of dopamine D1 and D2 receptor agonists and antagonists injected into VMH, NSL, and BLA on food and water intake and body weight in ovariectomized albino rats.

- To study the interaction between estrogen and dopamine in VMH, NSL, and BLA in the regulation of food and water intake and body weight in ovariectomized albino rats.

- To investigate whether subcutaneously (peripheral) administered estrogen affects food and water intake and body weight via VMH, NSL, and BLA.