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Prolactin, a potential mediator of reduced social interactive behavior in newborn infants following maternal perinatal depressive symptoms

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Abstract:

Background: The hormone prolactin (PRL) plays a crucial role for the initiation and maintenance of maternal behavior, and is also associated with the etiology of mood disorders in women, especially for depression. The present study aimed to determine whether maternal peripheral prolactin would be associated with newborn behavior disorders following maternal perinatal depressive symptoms, and further to explore the efficacy of the NBO in improving newborn social interactive behavior.

Methods: Interview and the 24-item Hamilton Rating Scale for Depression (HAM-D) were used to assess the hospitalized pregnant women waiting for delivery at 37-42 weeks of gestation. A total of 255 subjects were recruited, diagnosed with depression (n=135), and control group (n= 120). Within 2 weeks postpartum, mothers were asked to fill with Maternal Attachment Inventory (MAI) to measure maternal care.

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