

Some observations on the biochemical aspects of depression : Towards a dys regulation hypothesis of catecholamines in depressive disorders

El-Naggar, El-Sayed A. Supeervised by Fawzi, Abdel-Rahman. El-Atrouni, Muhammad H.
Mansoura Univ. (EGY). Fac. of Med.

Thesis ; M.D. 1989

The aim of this work was to testify some aspects pf catecholamine theory in depression hoping to throw more light on such a theory, using the MHPG, the main metabolite of central norepinephrine, as the main tool in this research. The findings may indicate that the central norepinephrine is biochemically dysregulated in the majority of patients with major depressive disorder. In the group with normal norepinephrine metabolite, MHPG, excretion, other central neurotransmitters may play the role, and this is in need of more research. Furthermore, MHPG is a good tool to differentiate depressive patients with norepinephrine dysregulation from those in whom other neurotransmitters are dysregulated.