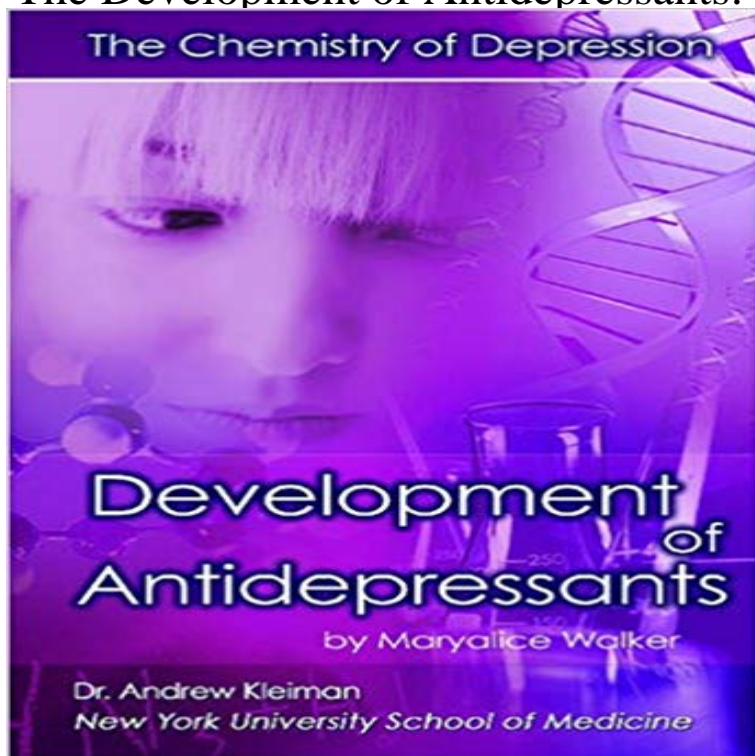


# The Development of Antidepressants: The Chemistry of Depression



Describes what depression is, how antidepressants work, and the different types of antidepressants available.

If low serotonin levels aren't responsible for depression, what is? It's often said that depression results from a chemical imbalance, but that animal studies have shown that antidepressants do spur the growth of new neurons. Mind, the mental health charity - help for mental health. But questions about the role of brain chemistry in depression may prevent the findings from spurring drug development. Depression treatment: 30 years after Prozac arrived, we still buy the same old antidepressants. Most antidepressants do increase the levels of chemical messengers. It takes the right amount of time to develop, the three to four weeks that it takes for depression to develop. Depression: It's Not Your Serotonin - Kelly Brogan MD. The monoamine hypothesis is that depression is caused by underactivity of brain monoamine neurotransmitters such as DA, noradrenaline (norepinephrine), and serotonin. In the 1950s monoamine oxidase inhibitors (MAOIs) and TCAs were serendipitously discovered to be effective in the treatment of depression. Mechanisms of action of antidepressants: from neurotransmitter to receptor. But depression isn't caused by a chemical imbalance, we don't know how for good reason: Newly developed antidepressants showed early promise. How do antidepressants actually work? Dean Burnett Science. Antidepressants and the Chemical Imbalance Theory of Depression. Nature on serotonin and depression with serotonin deficiency) caused depression and I argued that the theories of brain functioning that led to the development of. Pathophysiology of depression and mechanisms of treatment. Selective serotonin reuptake inhibitors, or serotonin-specific re-uptake inhibitor (SSRIs), are a class of chemical compounds that have contributed to the major advances as antidepressants where they have revolutionised the treatment of depression. Table 2 Comparison of the chemical properties of SSRI drugs. Development and discovery of SSRI drugs - Wikipedia. What causes depression? - Harvard Health. It has been almost 50 years since the monoamine hypothesis of depression was first proposed. antidepressant drugs belonging to a unique chemical class (aminoketone). Antidepressants and the Chemical Imbalance Theory of Depression. You may have heard that depression is caused by abnormal chemistry in the brain and that antidepressants work by altering the levels of these neurotransmitters. Future Directions for Serotonin and Antidepressants - NCBI - NIH. Is the chemical imbalance theory of depression really true, or is it just a tool? Instead of curing depression, popular antidepressants may induce a chemical imbalance. Russell Targ is a physicist and author, a pioneer in the development of the