

1. Histamine is a water soluble monoamine with the formula C₅H₉N₃ and produced majorly by mast cells from bone marrow. Histamine has four receptors; H₁, H₂, H₃ and H₄ which are involved in hypersensitivity reactions, lymphocyte cytokine productions, functions of blood-brain barrier and cytokine generation respectively (kemp, 2020).

Histamine plays important role in the pathogenesis and progression or otherwise of allergic diseases including allergic asthma, rhinitis and atopic dermatitis with the differential regulation of T-helper lymphocytes playing a major role in this process (Thangam *et al.* 2018). Histamine is produced from the amino acid histidine (Stahl, 2021). It is received into the histamine neurons and made over into histamine by the enzyme histidine decarboxylase (Stahl, 2021).

1. Histamines have been linked to Schizophrenia.

Earlier researches limited the effects of histamine and its receptors to allergies in digestive tract. More recent studies have however found that Histamine play more roles, acting as a neurotransmitter as well as been involved in inflammation. It has been found that high histamine level in the blood is associated with the onset and progression of schizophrenia (Alex Ding, 2018).

1. Symptoms of Schizophrenia

Symptoms could be psychotic, cognitive or negative. Psychotic symptoms could include hallucination and delusion. Negative symptoms could be in the form of lack of motivation or interest as well as withdrawal. Cognitive symptoms could include patients having problems with concentration and memory. Excess level of histamine was found to be associated with psychotic symptoms such as hallucination, elevated mood, paranoia, and agitation while deficiency of histamine is associated with withdrawal and moodiness (Faden, 2019).

1. Typical antipsychotics are a class of drug used in treating schizophrenia and they include chlorpromazine, haloperidol, olanzapine, clozapine and more. They are basically antagonist as they act by antagonizing dopamine receptors.

These drugs work by restraining the neurotransmission of dopamine and