

Schizoaffective disorder

Description

Schizoaffective disorder is a mental health condition that includes features of both schizophrenia and a mood disorder such as bipolar disorder or depression. The prefix "schizo-" refers to the psychotic symptoms of schizophrenia that affect a person's thinking, sense of self, and perceptions. The term "-affective" refers to extreme shifts in mood, energy, and behavior.

Schizoaffective disorder has a wide range of signs and symptoms that make it challenging to diagnose. Its features overlap significantly with those of schizophrenia and bipolar disorder, and there is debate about whether schizoaffective disorder should be considered a separate diagnosis or a subtype of one of these other conditions.

Signs and symptoms of psychosis in people with schizoaffective disorder include false perceptions called hallucinations, such as hearing voices no one else can hear or experiencing visions, smells, or tactile (touch) sensations. Strongly held false beliefs (delusions) are also a characteristic feature. For example, affected individuals may be certain that they are a particular historical figure or that they are being plotted against or controlled by others.

There are two major types of schizoaffective disorder, based on which mood disorder is involved: the bipolar type and the depressive type. The bipolar type includes both dramatic "highs," called manic episodes, and "lows," called depressive episodes. The depressive type includes only depressive episodes. Manic episodes are characterized by increased energy and activity, irritability, restlessness, an inability to sleep, and reckless behavior. Depressive episodes are marked by low energy and activity, a feeling of hopelessness, and an inability to perform everyday tasks.

The psychosis and mood problems associated with schizoaffective disorder usually become evident in adolescence or young adulthood. People with this condition often have difficulty functioning at school, at work, and in social settings. Disordered thinking and concentration, inappropriate emotional responses, erratic speech and behavior, and difficulty with personal hygiene and everyday tasks are also common. People with schizoaffective disorder have a higher risk of substance abuse problems and dying by suicide than the general population.

Frequency

Studies suggest that schizoaffective disorder is less common than schizophrenia, bipolar disorder, or depression alone. However, because schizoaffective disorder can be difficult to differentiate from these other conditions, its prevalence is unknown. One study from Finland estimated that schizoaffective disorder affects 3 in 1,000 people.

Causes

Very little is known for certain about the genetics of schizoaffective disorder. Studies suggest that variations in many genes, each with a small effect, combine to increase the risk of developing the condition. There may also be genetic variations with larger effects in some affected individuals or families, but these variants are rare in the general population, and it is unclear which particular genes are involved.

The genes that have been studied as possible contributors to schizoaffective disorder have diverse functions in the brain. These genes include some that regulate the body's daily (circadian) rhythms, such as the sleep-wake cycle; others that help control the movement (migration) of nerve cells during brain development; and still others involved in sending and receiving chemical signals in the brain. In particular, several genes that have been associated with the risk of schizoaffective disorder provide instructions for making parts of a receptor for gamma-amino butyric acid (GABA), a chemical called a neurotransmitter that sends signals in the brain. GABA's primary role is to prevent the brain from being overloaded with too many signals.

Many of the genetic variations associated with schizoaffective disorder appear also to be involved in schizophrenia or bipolar disorder. Other variations seem to be specific to schizoaffective disorder. However, it is challenging to study the genetics of schizoaffective disorder because the disorder has such significant overlap with these other mental health conditions. In some studies, people with schizoaffective disorder are analyzed in the same group as those with schizophrenia or bipolar disorder, so it can be difficult to determine which genetic variations influence each of these specific diagnoses.

Inheritance

The inheritance pattern of schizoaffective disorder is unclear. Overall, the risk of developing this condition is greater for first-degree relatives of affected individuals (such as siblings or children) as compared to the general public. Many individuals with schizoaffective disorder also have relatives with depression, bipolar disorder, schizophrenia, or other mental health conditions. These disorders may run in families in part because they share some genetic risk factors with schizoaffective disorder.

Research with twins found that when a member of an identical twin pair has schizoaffective disorder, the risk that the co-twin will also develop the condition is about 40 percent. In nonidentical (fraternal) twins, the risk is lower, around 5 percent. Because identical twins are more genetically similar than nonidentical twins, this finding suggests that genetics plays an important role in schizoaffective disorder. However, the fact that

the risk is much lower than 100 percent, even in identical twins, suggests that noninherited factors are also important causes of schizoaffective disorder.

Other Names for This Condition

- Schizo-affective psychosis
- Schizo-affective type schizophrenia
- Schizoaffective psychosis
- Schizoaffective schizophrenia
- Schizophrenia, schizo-affective type
- Schizophreniform psychosis, affective type

Additional Information & Resources

Patient Support and Advocacy Resources

- National Organization for Rare Disorders (NORD) (<https://rarediseases.org/>)

Clinical Trials

- ClinicalTrials.gov ([https://clinicaltrials.gov/search?cond=%22Schizoaffective disorder r%22](https://clinicaltrials.gov/search?cond=%22Schizoaffective%20disorder%22))

Catalog of Genes and Diseases from OMIM

- SCHIZOPHRENIA; SCZD (<https://omim.org/entry/181500>)

Scientific Articles on PubMed

- PubMed (<https://pubmed.ncbi.nlm.nih.gov/?term=%28schizoaffective+disorder%5BTI%5D%29+AND+%28%28gene%5BTIAB%5D%29+OR+%28genes%5BTIAB%5D%29+OR+%28genetic%5BTIAB%5D%29%29+AND+english%5Bla%5D+AND+human%5Bmh%5D>)

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