

CASE STUDY

How Mosaic Diagnostics' Organic Acids Test (OAT) Uncovered the Source Preventing 6-year-old Erin Relax and Fall Asleep

PATIENT OPPORTUNITY

Erin is a 6-year-old female who presented to the clinic with concerns of PANS/PANDAS. Her symptoms began about six months ago with outbursts of anger and aggression, hypersensitivity to sounds and textures, headaches, and difficulty falling asleep. Her mother reported that they previously lived in Florida, where their house tested positive for mold. After relocating to Georgia about a year ago, they discovered that their current home also had mold. It was remediated about three months ago, but Erin's symptoms continued.

APPROACH

Erin's Organic Acids Test (OAT) revealed both mold colonization and clostridial overgrowth. The clostridial overgrowth was treated with a 27-day pulse regimen of Flagyl. Once completed, she began anti-fungal treatment for the mold colonization. Her ongoing care was guided by the remaining OAT markers.

Erin was given supplements to support mitochondrial health, vitamin levels, detoxification pathways, and serotonin metabolism. Key supplements in her case included: Bovine colostrum, NAC, Acetyl-L-carnitine, CoQ10, Vitamin D3 + K2, Allimax, and a probiotic containing *Saccharomyces boulardii*.

RESULTS

Fourteen days into her Flagyl regimen, Erin's family noticed a significant improvement. Her mood stabilized and her anger outbursts decreased markedly. She was able to wear socks for the first time in six months, as she had previously been unable to tolerate their texture.

Eliminating gut colonization, supporting mitochondrial function, vitamin balance, detoxification, methylation, and neurotransmitter regulation are all critical components in treating PANS. Erin continued to make progress with focus and mood following anti-fungal treatment, and her hypersensitivity to textures and sounds did not return.



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"Erin's mood is much more stable, and her anger outbursts have decreased significantly [because of the findings from the Organic Acids Test]. More excitingly, her mom also was able to brush her hair for the first time in months, as before she couldn't tolerate the feel of the brush."

ABOUT ERIN

6-Year-Old Female

Symptoms:

Anger outbursts
Aggression
Hypersensitivity to sounds
Hypersensitivity to textures
Headaches
Insomnia

"Erin had a dramatic change in behaviors over the last Six months with erratic outbursts and mood swings. Her home was remediated for mold about three months ago, but her symptoms have persisted, and her family is searching for answers."