Stimulant medication is considered the best option for children diagnosed with attention deficit hyperactivity disorder (ADHD). While there is ample evidence to support this option, medicating this vulnerable group with mind-altering medication is not something that a highly industrialized society should embrace. The vitamin approach should be tried before stimulant medication, for it is a safer and more ethical way in which to "normalize" a child that is frequently manifesting symptoms of ADHD.

Vitamins are naturally found in the human body and facilitate improved behaviour and health while optimizing biochemical processes and physiology. Stimulant medication, by contrast, alters biochemistry and physiology, and produces a range of central nervous system toxicity that normally starts with increased energy, hyper-alertness, and over-focusing on rote activities, progressing to obsessive-compulsive or perseverative activities, insomnia, agitation, hypomania, mania, and sometimes seizures. The side effects or toxicities associated with stimulant medication are commonly “misidentified” as being therapeutic or beneficial because they reduce social interactions, decrease responsiveness to parents and other children, increase solitary play and/or diminish play in general, increase compliance in formal settings, and negatively affect moods.

From my review of data published decades ago, the vitamin approach might be able to normalize behaviour in some 20–68% of children given optimal amounts of vitamins. The vitamin approach has the potential to spare a significant number of children that would otherwise be placed on stimulant medication. In a single-blind trial, Hoffer prescribed optimal doses (1,500–6,000 mg) of niacinamide (and rarely, niacin) in combination with vitamin C (3,000 mg) to children less than 13 years of age. He followed a group of 37 children for 7 years. The results showed that 25 out of 37 children (68%) were normal or much improved by the addition of niacinamide or niacin. Hoffer also reported on a group of 110 children. From this group he had baseline and final evaluation data for 84 children. He was able to demonstrate that 53 out of 84 (63%) were much improved or normal at final evaluation from an orthomolecular plan, primarily involving optimal doses of niacinamide (and rarely, niacin) in combination with dietary modifications, minerals, and ascorbic acid.

In two complex single-blind trials, Brenner prescribed optimal doses of single B vitamins (i.e., vitamins B1, B5, or B6) to 100 hyperactive children. In the longer single-blind trial, children were followed for 4 years and 33% (20 out of 60 children) had sustained clinical responses from the long-term use of individual B vitamins, sometimes in combination with minerals. Thus, from the total group of 100 children that entered into Brenner’s trials, 20% responded to vitamins (sometimes, in conjunction with minerals) in a manner that was considered equal to that of stimulant medication.

While this evidence is considered to be weak and low quality by today’s standards, the results of these trials should not be disregarded. These trials were long-term (i.e., they followed children for 4 or more years in duration) and were longer than most randomized controlled trials conducted today. These trials were also single-blinded and consequently of higher quality than many modern case reports and case series.

I offer a brief case from my clinical practice to illustrate the types of improvements that are possible from optimal doses of vitamins without resorting to stimulant medication. Michelle, a 10-year-old girl, was formerly diagnosed with the inattentive type of ADHD and a learning disability while in grade 5. She was having a difficult time adjusting to a new school, exhibiting poor concentration and a less than stellar attitude about being there. She was not doing well academically, particularly in math. She had trouble taking notes during class and her penmanship was poor. Her parents were told that
Michelle did stop niacinamide temporarily to see if it was actually helping even though her parents knew that it was. Upon discontinuation, she became angry, unfocussed, and defiant. When she resumed the niacinamide, all these symptoms normalized again. Since working with Michelle, I have requisitioned transaminase levels four times, and they have never been clinically concerning. There is no doubt, having observed Michelle for some time now, that these marked changes are mostly the result of taking niacinamide in large quantities, in addition to the potential benefits from the learning program and dairy elimination. It is impossible to conceive that other factors would be responsible for Michelle’s consistent success.

I offer a passage from the late Abram Hoffer:

“Since it is a general scientific rule that where one patient will respond to a particular treatment there must be others who will also do so, I suggest that physicians try treating hyperkinetic children with these vitamins which seem to be so effective in my hands.”

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References