



Bright Student™ supports Attention Deficit issues

Attention Deficit Disorder, Attention Deficit Hyperactivity Disorder (ADD/ADHD) and learning disorders occur commonly in children and may persist into adulthood.¹ ADD/ADHD has a genetic/neurologic basis.² There are several important co-morbidities including learning disorders in math and reading, sleep disorders, emotional lability, anxiety and depression.^{1,3,4}

These symptoms are not treated by and may be exacerbated by stimulant medications. Up to 30% of patients prescribed stimulants do not respond clinically, while others desire to decrease or discontinue them due to side effects.⁵ Up to 65% of patients suffering from ADD/ADHD and other learning disorders use complementary modalities with 16% using aromatherapy.^{6,7}

Aroma MD's Bright Student™ is a comprehensive clinical aromatherapy program that supports the primary and secondary symptoms of ADD/ADHD and mild organic learning disorders by modulating neurological, cognitive and emotional pathways.*

CONDITION SPECIFIC SUPPORT AND MODIFICATION:

Dopamine Activity:

The main effect of stimulants in ADD/ADHD is postulated to be by increasing dopamine levels in the brain. The essential oils and their components in Aroma MD's™ Bright Student™ have been shown to promote increased dopamine levels.^{8-12*}

Cognition and Memory (Nootrope):

Recent animal studies support the role of holy basil, as found in Bright Student™, in enhancing memory and suggest a possible support role in organic learning disabilities.^{13*}

Mathematics Performance:

A clinical study with rosemary and lavender essential oils, found in Bright Student™, showed improved speed and accuracy of mathematical task completion.^{14*}

Focus and Stress Reduction:

Clinical and animal trials with the essential oils used in Bright Student™ showed a reduction in cortisol stress hormone,¹⁵ and promoted focused alertness and attentiveness without inducing drowsiness.^{16-19 *}

Emotional Stability:

Vetiver and clove essential oils are used traditionally for their qualities of emotional grounding and centering. Vetiver is also used for its ability to reduce anger and negative emotions.*

Aromatherapy is a natural healing method which has been used for 5,000 years. Recently, interest in medical aromatherapy has grown tremendously among both patients and practitioners. Until now, it has been hard to find authoritative sources for medical aromatherapy blends and dosages. Aroma MD's™ specially pre-blended products make patient compliance easy. Each product contains age-based dosing and clear usage instructions. Practitioners can rest assured that patients are benefitting from the most therapeutic oils at safe and effective doses.

"Our five year old daughter has autism and ADHD. Bright Student™ is a very useful addition to her medical regimen. I recommend Dr. Hedayat's products without reservation!"

– C.Kleine, Louisiana

"I am a 2nd grade teacher in Chicago. This year, I incorporated Bright Student™ into my classroom. It takes the edge off my students while keeping them focused and on task."

– H.Abbasi, Illinois

Bright Student™



ADHD, Concentration,
Memory Support*



Aroma MD™
Distributed by
Time Laboratories
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Medical Quality Essential Oils in Bright Student™

Support and Modification	Ylang-Ylang	Rosemary	Holy Basil	Clove Bud	Vetiver	Lavender
Attention and Focus	✓	✓	✓			✓
Brain Inflammation		✓	✓	✓		✓
Emotional Stability				✓	✓	✓
Math Performance		✓				✓
Memory		✓	✓			✓
Mental Stress	✓		✓		✓	✓
Neuro-transmitters		✓			✓	✓

APPLICATIONS:

Attention Issues and Hyperactivity:

Internal: Twice per day with food for a minimum of 6 weeks for best effects. Bright Student™ can be mixed with applesauce or yogurt, mixed in a smoothie, or taken directly with a spoon. Bright Student™ can be taken in conjunction with medication or other nutritional supplements.

Difficulties with Concentration:

Topical: Apply to chest and temples 10 minutes before starting homework. For ongoing difficulty, combine with internal use as described above.

PRECAUTIONS

Use as directed. Consult a healthcare professional before use if changing your current regimen, if you have a liver or kidney condition, or if you are pregnant. Keep out of the reach of children.

REFERENCES

- 1) Greydanus DE, Pratt HD, Patel DR. Attention deficit hyperactivity disorder across the lifespan: the child, adolescent, and adult. *Dis Mon* 2007;53(2):70-131.
- 2) Mohammadi MR, Akhondzadeh S. Pharmacotherapy of attention-deficit/hyperactivity disorder: nonstimulant medication approaches. *Expert review of neurotherapeutics* 2007;7(2):195-201.
- 3) Rojas NL, Chan E. Old and new controversies in the alternative treatment of attention-deficit hyperactivity disorder. *Mental retardation and developmental disabilities research reviews* 2005;11(2):116-30.
- 4) Sinha D, Efron D. Complementary and alternative medicine use in children with attention deficit hyperactivity disorder. *Journal of paediatrics and child health* 2005;41(1-2):23-6.
- 5) Casey BJ, Nigg JT, Durston S. New potential leads in the biology and treatment of attention deficit-hyperactivity disorder. *Current opinion in neurology* 2007;20(2):119-24.
- 6) Mindell JA, Emslie G, Blumer J, et al. Pharmacologic management of insomnia in children and adolescents: consensus statement. *Pediatrics* 2006;117(6):e1223-32.
- 7) Jensen SA, Rosen LA. Emotional reactivity in children with attention-deficit/hyperactivity disorder. *Journal of attention disorders* 2004;8(2):53-61.
- 8) Pollack AE. Anatomy, physiology, and pharmacology of the basal ganglia. *Neurologic clinics* 2001;19(3):523-34.
- 9) Tisch S, Silberstein P, Limousin-Dowsey P, Jahanshahi M. The basal ganglia: anatomy, physiology, and pharmacology. *The Psychiatric clinics of North America* 2004;27(4):757-99.
- 10) Alexander M. How aromatherapy works: synthetic and efficacious pathways of essential oils in the human physiology. *St. Petersburg, FL: Whole Spectrum Arts*; 2000.
- 11) Komiya M, Takeuchi T, Harada E. Lemon oil vapor causes an anti-stress effect via modulating the 5-HT and DA activities in mice. *Behavioural brain research* 2006;172(2):240-9.
- 12) Zhang H, Han T, Yu CH, Rahman K, Qin LP, Peng C. Ameliorating effects of essential oil from *Acori graminei rhizoma* on learning and memory in aged rats and mice. *Journal of pharmacy and pharmacology* 2007;59(2):301-9.
- 13) Fukumoto S, Sawasaki E, Okuyama S, Miyake Y, Yokogoshi H. Flavor components of monoterpenes in citrus essential oils enhance the release of monoamines from rat brain slices. *Nutritional neuroscience* 2006;9(1-2):73-80.
- 14) Yamada K, Mimaki Y, Sashida Y. Effects of inhaling the vapor of *Lavandula burnatii* super-derived essential oil and linalool on plasma adrenocorticotropic hormone (ACTH), catecholamine and gonadotropin levels in experimental menopausal female rats. *Biological & pharmaceutical bulletin* 2005;28(2):378-9.
- 15) Huang J, Li H, Yang J, et al. [Chemical components of *Vetiveria zizanioides* volatiles]. *Ying yong sheng tai xue bao*. *Journal of applied ecology* [Zhongguo sheng tai xue xue hui, Zhongguo ke xue yuan Shenyang ying yong sheng tai yan jiu suo zhu ban] 2004;15(1):170-2.
- 16) Joshi H, Parle M. Evaluation of nootropic potential of *Ocimum sanctum* Linn. in mice. *Indian journal of experimental biology* 2006;44(2):133-6.
- 17) Diego MA, Jones NA, Field T, et al. Aromatherapy positively affects mood, EEG patterns of alertness and math computations. *International journal of neuroscience* 1998;96(3-4):217-24.
- 18) Atsumi T, Tonosaki K. Smelling lavender and rosemary increases free radical scavenging activity and decreases cortisol level in saliva. *Psychiatry research* 2007;150(1):89-96.
- 19) Hongratanaworakit T, Buchbauer G. Evaluation of the harmonizing effect of ylang-ylang oil on humans after inhalation. *Planta medica* 2004;70(7):632-6.

SUGGESTED USAGE

INTERNAL: Ages 5 to 7 years, 2-4 drops; ages 8 to 11 years, 3-6 drops; ages 12 to adult, 5-10 drops with food morning and afternoon, for a minimum of 6 weeks for best effects.

TOPICAL: Ages 5 to adult, apply to temples, neck and chest as needed before learning sessions. For best effect, combine with internal use.

BATH: All ages, 5-20 drops stirred in bath.



Kamyar Hedayat, MD, FAAP

Aroma MD™ Founder and President, Dr. Hedayat is a Stanford-trained critical care physician, board-certified pediatrician and clinical aromatherapist. His training also includes a preceptorship with Dr. Andrew Weil. Dr. Hedayat is

the Medical Director of Full Spectrum Health Center for Integrative Medicine in San Diego, CA. He is the author of numerous scholarly articles on critical care and clinical aromatherapy, and is an international speaker on integrative medicine and aromatherapy. Dr. Hedayat is available for clinical aromatherapy workshops for health professionals.

For more information on Aroma MD™ products or to order, contact:

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