

Long Term antibiotic therapy Angus McAvity- Brief Medical History

1989- Pregnancy, birth and delivery: normal

1990- fall down the stairs, concussion, treated for ensuing brief myoclonic seizures.

1993- Angus (age 4) suffers sudden migrating joint pains and inflammation. Serological Lyme tests done at the Greenwich Hospital laboratory prove negative- resulting in a diagnosis of Henoch-Schoenlein Purpura- no known treatment

1994-1995- Concentration problems in preschool. Placed in public school special education kindergarten class. Hyperactive, sleep difficulties, poor socialization, irritable, no depth perception, eyes begin to cross, gets glasses for reading, can't play sports, severe mood swings, etc.

Sept.1995- Tests positive for Lyme on Lyme ELISA, PCR, urine antigen and Western Blot tests, administered by Dr. Bernard Raxlen and sent to Igenex Laboratories. Treated with Zithromax 250 mg qd with striking improvement in all of the above listed symptoms. (His 1st grade teacher's comment after one week on antibiotics: "Wow, did you finally put Angus on Ritalin?")

Jan. 1996- Treatment discontinued after 3 months because of apparent resolution of symptoms.

March- All symptoms recur with original severity. Treated with Ceftin for 2 months with moderate success. Treatment stopped, symptoms return within six weeks.

June-August 1996- Treated with Ceftin, with little improvement, so all antibiotic treatment stopped to let patient get well "on his own."

Sept.-Dec. 1996- Length of attention span in special ed class as evaluated by his teachers- 45 seconds. Severe behavioral, concentration, academic and social problems. IQ 70. Repeated upper respiratory and other viral and infections, finally resulting in antibiotic treatment for severe upper respiratory infection with Biaxin. ALL above listed symptoms improve, dramatically including most notably school performance. Dr. Charles Ray Jones consulted to monitor further treatment.

1997- Biaxin treatment continued uninterrupted for the year. Continued to be stable academically. No longer needed glasses, began to play hockey. Still had occasional "flare-ups."

Nov.1998 Antibiotic changed to Zithromax based on results of brain spec scan under the care of Dr. Charles Ray Jones.

Sept-Dec. 1998- Complete neuropsychological evaluation by Dr. Marian Rissenberg. Recommendation: aggressive treatment for Lyme disease as long as necessary, as well as continued special education. Takes Zithromax uninterrupted

until Jan 2000. Flagel added by Dr. Jones to Zithromax in January, 2000, based on blood culture test results and continued through 9/00. Angus is put on a customized nutritional supplementation program based on blood work. Health improves steadily.

Sept. 2000- Most symptoms resolve. All meds discontinued. Nutritional testing and supplementation continued every six months with continued gains in general health, academic performance and social maturity.

May. 2003 -Starts seeing a psychologist to help him come to terms with his "new" life without Lyme disease, and the fact that he has little memory of the last 7 years.

Sept. 2004- Able to attend a non special education school (Greenwich High School) for the first time in his life. Passes all academic classes; runs on the freshman X-country team, plays on the JV hockey and JV Tennis teams. New Neuropsychological evaluation by Dr. Jeanne Dietrich. IQ=100

April, 2005-Irregular EEG patterns detected during an EEG for biofeedback therapy (to address lingering concentration and executive functioning problems). After 3 days of 24-hour EEG monitoring at NYU Hospital, Angus was started on Lamictal, an anti-seizure drug for a partial-seizure condition, possibly permanent damage from long term central nervous system Lyme Disease as confirmed by brain spec scan. Reached appropriate dosage level August, 20th, 2005. Academic and athletic attention spans increase noticeably. Organizational difficulties at school lessen.

May, 2005- no longer needs psychological therapy.

March, 2006- Continues to be Lyme Disease symptom free (except for mild post lyme arthritis), healthy, academically and socially well adjusted.

February, 2009- Angus is a senior at the Hyde School (not a special ed. school - receives no tutoring) where he has a B+ average, has won 2 major academic awards as well as MVP for leadership of his Cross Country running team. So far he has been accepted to 2 of the colleges to which he has applied and received no rejections.

No repeat antibiotic therapy needed since 2000.

Respectfully submitted,

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