

**Observation Report:
Observing the Effects of D8THC
Tincture in Parkinson's
Patients**

By: David Morin

OBSERVATION REPORT:
EFFETS OF D8THC ON PARKINSON'S PATIENTS

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About the Author

David Morin got his AoS in Baking and Pastry in 2012 from Johnson and Wales University. From there he went on to work in a family owned bakery for 3 years until he injured his shoulder. During this injury, he was unable to work for 8 months. Being a long-time cannabis user, he used cannabis to alleviate the inflammation and pain in his shoulder. This progressed to using CBD and THC topicals and ultimately edibles. After a successful shoulder surgery in 2015, David went on to be a restaurant manager, and then a bakery manager for an international chain of grocery stores. In November of 2017, David and his friend Patrick started a YouTube Channel called BammertV. This channel started off with motivational segments, and finally evolved into a Cannabis Education Channel. As this document is being written, they have just passed 5,000 subscribers. This platform has been a huge aid to David's cause, which is to spread cannabis education in a professional manner. David has conducted countless hours of research for his channel and therefore has amassed an impressive amount of knowledge in the cannabis industry. Finally, in June of 2018, David joined the Cannabis Industry in South East Massachusetts, which has led to a number of opportunities to research and perfect industry specific techniques and subject matter. Starting off as a Kitchen Technician, he quickly worked his way up to supervisor and ultimately getting promoted and relocated to Ohio in May of 2019. After 6 months of setting up the facility in Ohio, and gaining valuable experience in CO2 extraction, ethanol extraction, refinement, and administration, he was needed by his parents and moved back to Massachusetts. Now, he is currently a Cannabis Consultant and is contracted to be the opening kitchen manager at a cannabis processing center in Central Massachusetts. If you have any questions for the author, please direct them to bammertvyt@gmail.com.

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Subject: Michael J. Wackell Sr.

Birthdate: March 24, 1961

Conditions: Parkinson's Disease, Arthritis, Celiac Disease

Diagnosed with Parkinson's: 2012

Symptoms since: 2005

Occupation: Construction: residence building and remodeling

Typical symptoms: Contortion, stiffness, rigidity, joint pain at night, Day and night tremors in right hand and leg. Walking gait is diminishing, especially with other people nearby. Fatigue and dry mouth after medication.

Medication List:

Carbidopa and levodopa 25mg/100mg, 1.5 pills 3X per day

Rasagiline 1mg, 1 pill 1x in morning

Amantadine 100mg, 1 pill 1x in the morning

Ropinirole HCL ER 4mg, 1 pill 1x at night

Background:

I was introduced to Mike in March of 2019. We had discussed the benefits of different cannabinoids in relation to Parkinson's Disease on a few occasions since then. He had also mentioned he has tried different combinations of CBD tinctures and topicals with reported, but limited, personal success. I knew that D9THC has had proven success with Parkinson's symptom relief, but Mike did not enjoy smoking very much and he enjoyed the high even less. He was looking for a consistent method of symptom relief that did not give him a head high or make him foggy. In late December 2019, I reached out to some of my former coworkers from a dispensary in SE Massachusetts to see if they had a certain type of tincture in stock. They did. I went down to the dispensary and purchased 2 vials of this tincture, which is a 1:1 D8THC:CBD 5mg/ml with 1mg D9THC/ml. I decided to test the tincture on myself first, having only had limited experience with D8THC products, I wanted to make sure this would be a good fit for him. I have done extensive research on D8THC, but not a lot is known about its effects in conjunction with different diseases. It has been used as a supplement for cancer patients, helping them sleep and maintain a healthy appetite. After 3 days of personally using this tincture, I brought the second vial up to Mike believing this would be a helpful addition in his daily routine, especially around bed time when he seems to have the most severe symptoms. This Observation Report is being compiled because there is so little research being conducted on D8THC in general, and none with relation to Parkinson's Disease. I am hoping that these findings are able to help other patients in the future, and to perhaps spark more interest in naturally occurring minor cannabinoids in relation to nervous system diseases.

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Initial Observations:

Mike complains of tossing and turning at night, joint pain which is severe at times, rigidity, body contortions, muscle spasms, severe tremors, sleep loss, and daily fatigue associated with tremor and medications. Once he is able to move around in the mornings, he is most steady in the morning hours with symptoms increasing in severity as the day progresses. Mike has about 5 alcoholic drinks per week, but does not partake in any recreational drugs. His hobbies include home renovation projects, water color painting and teaching at a local senior living center, and playing bass guitar. His water color paintings are available for view and for sale at www.SouthpawWatercolors.com.

Proposed Supplement and Administration Plan:

Proposed supplement: Delta8THC:CBD 5mg/ml suspended in MCT oil and flavored with peppermint oil:

CBD: 5mg

D8THC: 5mg

D9THC: 1mg

(Cannabinoid Analysis attached. See Appendix A.)

Dosage Plan:

.5 ml of proposed tincture every night 30 before bed time. Began on 12/30/19.

2.5mg D8THC

2.5mg CBD

.5mg THC

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Observations:

1/1/2020 Day 3:

Mike and I had a brief conversation this morning. I asked if he had started to use the tincture yet, and he said he has used it for 2 nights now and has completely slept through the night both nights. He said he is typically waking up every few hours to use the bathroom, but he is able to sleep through the night with the aid of this tincture.

1/7/2020 Day 9:

I was able to speak with Mike again today. He tells me he is loving the tincture and that he has been able to sleep better than he has in a couple years. We did not have a lot of time today, but I am hoping to have a more in-depth conversation soon.

1/11/2020 Day 13:

Mike, his spouse Diane and I sat down today and were able to discuss the effects of the tincture in greater detail. It turns out, he is really benefiting from the use of this tincture. He is able to sleep through the night, is falling into a deeper sleep faster, and staying asleep longer. This is making him much more refreshed in the mornings. I asked if any other symptoms have been alleviated or reduced with the use of this tincture and I was delighted to hear that he is now reporting waking up without pain. Mike would previously get contorted in his sleep and his muscles and joints would essentially lock into place. This would cause a lot of pain and would typically wake him up from being so uncomfortable. Now, even though he is still waking up slightly contorted, he is more able to move around and "straighten out" in the mornings with limited pain. Mike had to leave for an appointment, so I asked Diane the final couple questions. She told me that his night tremors are becoming less severe. Previously, Mike's tremors and spasms would range from his typical hand and foot tremor, to severe spasms that would cause him to thrash around. Diane had even mentioned that he had woken her up a few times recently because he was accidentally hitting her while he slept. Diane wanted to bring this to the attention of his primary doctor, but because of the success of this tincture, she actually forgot about the severity of this symptom until I asked about it. As I previously stated, Mike's night time tremors have diminished after taking the tincture, even though he is not conscious of it. I have now suggested that Mike try taking the half of a dose of what he takes at night during the day to see if the tincture makes him sleepy, or will allow him to function and possibly have symptom relief during the day. I suggested that he starts with .25ml on a day that he has nothing planned and to see how he feels. I look forward to speaking with them again and seeing if further success has been made.