



Trokie Professional Line of Products

Formulary Categories

- CBD and THC Buccal Lozenges
- CBD and THC Capsules
- CBD Patches
- CBD Creams and Salves
- CBD Topical Sprays
- CBD Nano-sublingual Solution

Pharmaceutical Grade Standards

- Third party laboratory testing following state cannabis compliance standards
- FDA & ISO 9001:2015 cGMP facility for patches
- Organic standards for cannabis and hemp products
- No artificial colors, flavors or sugars used
- Natural and/or organic sourced ingredients
- Peer reviewed, published data on Trokie lozenges
- Ongoing clinical studies
- Ongoing stability and safety studies
- Soon to be completed pharmacokinetic studies



**Got health-related
symptoms?**

**There's a Trokie
for that.**

**New Formulation!
Fast Acting · Long Lasting**

Trokie Lozenge

- 7 SKU's
 - 100mg per package
 - 10mg per serving
 - 10 servings per pack
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- CBD
 - CBD + Melatonin
 - 9:1 CBD:THC
 - 1:1 (5mg:5mg)
 - 1:1 + Melatonin
 - Indica Dominant
 - Sativa Dominant



Trokie Buccal Lozenges

- US and International Patented delivery system
- Published data on safety and efficacy
- Unique pharmacokinetic profile:
 - Onset 5-30 minutes
 - Duration 4-8 hrs
 - Minimize between patient variables
- Formulation claims:
 - Vegan, Sugar-free, natural/organic ingredients, non-GMO, cGMP produced base, no artificial anything
- Accurate, discrete, convenient
- Award Winning



Self-Reported Effectiveness and Safety of Trokie® Lozenges: A Standardized Formulation for the Buccal Delivery of Cannabis Extracts

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BRIEF RESEARCH REPORT; published: 14 August 2018 doi: 10.3389/fnins.2018.00564

- Observational, longitudinal study over 12 weeks, n=49
- Primary diagnosis: Chronic noncancer pain
- Average reduction in PI-NRS score: 4.9 ± 2.0 ($p < 0.0001$)
- 31 subjects were using opiates, 26 (84%) reduced or DC'ed use with no reported symptoms of withdrawal
- Onset of analgesia: 5 to 40 min using the buccal route of administration. Dissolution averaged 25-30 min
- 100% reported feeling an improvement in a global rating scale

Self-Reported Effectiveness and Safety of Trokie® Lozenges: A Standardized Formulation for the Buccal Delivery of Cannabis Extracts

- 35 subjects (7 male/28 female) completed a questionnaire about AE's
- 16 subjects (46%) reported 20 adverse events (AE's) that included:
 - dizziness/unsteadiness ($N = 7$)
 - bad taste ($N = 5$)
 - throat irritation/dry mouth ($N = 4$)
 - drowsiness/fatigue ($N = 3$), impaired consciousness/high feeling ($N = 2$), nausea ($N = 1$), and palpitations ($N = 1$)
- None of the self-reported AE's in a serious medical situation
- 90% of participants reported being "satisfied" or "very satisfied" with 10% reporting "dissatisfied or Very dissatisfied"

Trokie Capsules

- Nano-CBD technology
- CBD:THC ratio options
- Includes THCA-A option
- CBD CO2 hemp extract + organic Vegan Coconut oil
- For those that cannot stand the taste or smell of cannabis
- Stability studies ongoing



Trokie CBD Patches

- cGMP produced adhesive matrix (10cm x 14cm)
- Three methods of pain relief
 - 4% lidocaine
 - 4% menthol
 - 25mg CBD (hemp derived)
- Patch may be cut into appropriate size for application to site of pain
- Latex - Free; THC - Free; non-GMO
- Discrete, can be applied to the face without adverse effects
- 2 patches per pack



Trokie CBD Creams and Salves

- 1% concentration of CBD without THC
- Natural and organic ingredients
- Available in cream or salve bases:
 - Original Pain Relief
 - Cooling Action
 - Deep Heat and Cooling Action
- CBD Cream with Shea Butter (Cool)
 - CBD Isolate, Menthol, Wintergreen oil, camphor, shea butter, mango butter, kokum butter, olive oil, rosemary, calendula, comfrey leaf and root, devils claw root, aloe Vera, grapeseed oil, hemp seed oil, coconut oil.



Trokie Topical Sprays

- 1% CBD concentration without THC
- Natural and organic ingredients
- Several formulation options:
 - CBD Cooling Action
 - CBD Tattoo Spray
 - CBD Wound Care Spray
- Clinical study on Wound Care Spray in process
- Ingredients example:
 - Coconut, grapeseed, camellia, and pomegranate oils. colloidal silver, CBD extract, witch hazel, proprietary blend of essential oils.



Case Study Ulcerative Colitis

Brief History and Target Symptomatology:

JH, a 63 year old WM was diagnosed with UC at the age of 55, though he struggled with abdominal pain, discomfort and irregular bowel movements for most of his adult life.

Previous and Current Conventional Therapies:

Severe flare-ups required Prednisone to get symptoms under control. JH has been on multiple medications, that caused life threatening side effects, and no consistent relief from symptoms. Most recent Tx, vedolizumab (Enyvio) infusions, did not cause severe side effects, but after 6 months, no progress was noted and he was advised to stop in June 2016.

July 8, 2016 he started on Trokie CBD 50mg buccal lozenges, cut up into quarters, 12.5mg CBD per quarter, taken 3 times per day and Trokie 1:15 hybrid, ¼ (15mg THC) buccal lozenge at bedtime.

Clinical Responses to Trokie CBD and THC lozenges:

Within 3 days, JH noticed a reduction in bloating and abdominal discomfort. After one month, he could tell his bowel habits had improved, which has been an issue for him his whole life.

After his colonoscopy and biopsy on Sept 26, 2016 the results stated, “complete remission with no pre-cancerous changes – what we call histologic healing”.

1. Jamontt JM et al. The effects of delta-9-tetrahydrocannabinol and cannabidiol alone and in combination on damage, inflammation and in vitro motility disturbances in rat colitis. British Journal of Pharmacology. 2011;160:712-23.

Case Study Anxiety

Brief History and Target Symptomatology:

KS, 52 yo WF suffering PTSD x 15 yrs with increased frequency of panic attacks post-menopause. Presented to dispensary in a panic attack, unable to barely breath or speak.

Previous and Current Conventional Therapies:

Current therapy included alprazolam 1mg TID PRN, sertraline 100mg QHS, CBT, and meditation. She was directed to try cannabis by several friends.

Clinical Responses to Trokie CBD:

On presenting to me, prior to collecting any info, I immediately gave her 20mg CBD (2 servings of the Trokie CBD bar) and KS administered it buccally. She left me and walked down to the other side of the dispensary and engaged with one of the staff. In about 5 minutes, I walked over to the two of them and inquired about how KS felt and asked the staff member what she observed. The comment from KS was “the medicine you gave me felt like my panic attack just melted away. I feel almost normal”. Staff said that she observed KS calm down and break out of the panic that she saw on her face in just minutes.

Case Study Migraines/Headaches

Brief History and Target Symptomatology:

AG, 28 yo female with daily migraines, worse around menstrual cycle. Duration for chronic migraines 3 years, daily the last 7 months.

Previous and Current Conventional Therapies:

Prior doctors prescribed pain medication and preventative that caused bad side-effects and with minimal relief. May 1, 2016 began taking 12.5mg CBD Trokie buccal lozenge three times per day and adding a THCA-A 10mg capsule at bedtime to help with sleep.

Clinical Responses to treatment:

By day 2, AG experienced reduced migraine NAS from 7-8/10 down to 4/10. By end of month was having days with no migraines and now takes as needed when she has a breakthrough migraine.

Case Study Parkinson's Disease

Brief History and Target Symptomatology:

KT, 60 yo WF diagnosed with Parkinson's Disease in 2008. Her biggest issue is pain management, NAS 8/10. Parkinson's symptoms most notable are stiffness and tremor.

Previous and Current Conventional Therapies:

Previous therapy was Vicodin (duration 30 years), Ativan (duration 2 yrs), Sinemet (duration 10 years; 25mg per dose, 6 times per day). Began a cannabis protocol on April 6, 2016 (CBD, 1:1 and THC) dosing days 1-3; take 12.5mg CBD Trokie 3x/day, then 1-2 hours before bedtime 10mg CBD:THC 1:1 Trokie. Days 4-7; take 10mg CBD:THC Trokie 3x/day, then 1-2 hours before bedtime 15mg THC 120mg.

Clinical Responses to treatment:

The latter dosing achieved more pain relief, so dosing was continued on that regimen. Pain level dropped to NAS 4/10 by day 15. Ativan was discontinued. Vicodin was reduced to ½ tablet per day and Sinemet was reduced from 6 times per day down to 2 times per day.

Case Study Prostate Cancer

Brief History and Target Symptomatology:

TY, a 68yo WM diagnosed 2 years prior with prostate cancer (PSA 9.0) and anxiety 8/10 requesting trial of CBD for anxiety.

Previous and Current Conventional Therapies:

Refused radiation, tried freezing cancer resulting in Tx failure and created more issues. Since then, no treatments or diet changes occurred. He has a family history of cancer.

Clinical Responses to treatment:

Began taking 12.5mg CBD lozenge three times per day. After 7 days with minimal relief from anxiety, increased dose to 12.5mg in the morning, 25mg at noon and 12.5mg in the evening. Blood work at day 24 showed PSA number dropped by half. Continued 50mg per day and each month PSA numbers kept falling until the third month PSA number was 0.9. A biopsy, blood work and cat scan confirmed complete remission with no detectable cancer.

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