

**DISCLAIMER**

The information contained in this brochure is not meant to be construed as medical advice and should not be relied on as such. It is not a referral by a physician. This information is being provided by PDI Medical for the education and support of qualifying patients or designated caregivers. All patients and designated caregivers have the right to select the dispensary of their own choice.

**Service Area**

The professional staff at PDI Medical provides medical marijuana products, counseling and services to individuals living in Chicago and the surrounding suburbs

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**Hours**

Monday - Friday: 8 am to 6 pm  
Saturday: 9 am to 3 pm  
Sunday - closed



[www.pdimedical.com](http://www.pdimedical.com)



**Movement Disorders**

**Conditions Can Include:**

- Parkinson's disease
- Tourette's Syndrome
- Myoclonus-dystonia



## About Parkinson's

General features of Parkinson's presentation:<sup>1</sup>

- Patient exhibits at least two of the following: resting tremor, rigidity, or bradykinesia
- Patient can experience decreased manual dexterity, difficulty arising from a seated position, diminished arm swing during ambulation, dysarthria (slurred speech), dysphagia (difficulty swallowing), freezing at initiation of movement

## About Tourette's

Clinical Presentation of the disorder:<sup>1</sup>

- Onset normally occurs before age of 18 yrs.
- Multiple motor or one or more vocal tics are present

## About Myoclonus

Spastic jerky contractions of groups of muscles that can be associated with many conditions, examples could be:<sup>1</sup>

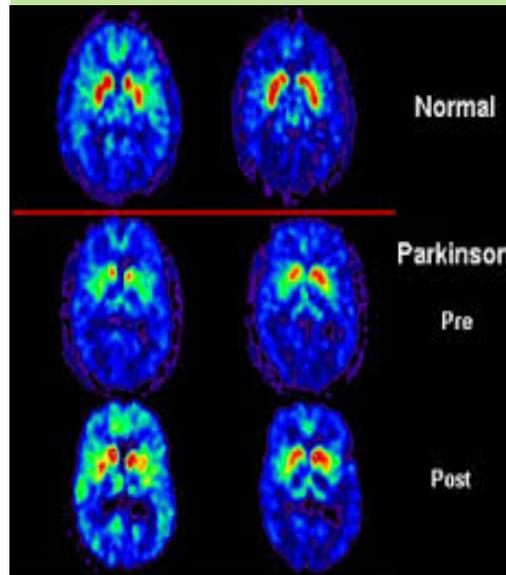
- Sleep related movement disorder
- RLS (restless leg syndrome)
- Narcolepsy
- Arthritis
- Spinal cord injury

1. Dippiro, et al, *Pharmacotherapy* 7<sup>th</sup> ed 2008.

Neurological disorders affect the brain, spinal cord, or peripheral nerves and muscles in the body.<sup>2</sup>

Marijuana has been proposed not as a cure but as a source of relief for 3 general neurological disorders:

- Muscle spasticity e.g. MS or spinal injury
- Movement disorders, e.g. Parkinson's, Huntington's, and Tourette's syndrome
- Epilepsy



# PDI Medical

Professional Dispensaries of Illinois

CANNABIS HEALTH CARE

2. Joy, Janet, et al., *Marijuana and Medicine: Assessing the Science Base*, NAP published 1999.

## Desired Strain Effects

Consider Indica strains with high CBD and low THC that can provide

- Anxiety relief
- Muscle spasm inhibitor

## Administration

The psychological effects of cannabinoids, such as anxiety reduction, sedation, and euphoria, can influence their potential therapeutic value.

Those effects are potentially undesirable in some patients and beneficial in others.

## Side Effects

Cannabinoids inhibit both major excitatory and inhibitory inputs to the basal ganglia. This suggests that a cannabinoid agonist could produce opposite effects on movement, depending on the type of transmissions (excitatory or inhibitory) that is the most active at the time of drug administration.<sup>2</sup>