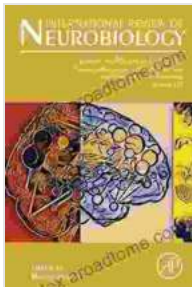


# Imaging Applications in Non-Parkinsonian and Other Movement Disorders

Movement disorders are a group of neurological conditions that affect the ability to move. Parkinson's disease is the most common movement disorder, but there are many other types of movement disorders, including non-Parkinsonian movement disorders.

Non-Parkinsonian movement disorders are a diverse group of conditions that can affect people of all ages. These disorders can range from mild to severe, and they can have a significant impact on a person's quality of life.



## Imaging in Movement Disorders: Imaging Applications in Non-Parkinsonian and Other Movement Disorders (ISSN Book 143) by Kenneth Kee

★★★★★ 5 out of 5

Language : English  
File size : 28112 KB  
Text-to-Speech : Enabled  
Screen Reader : Supported  
Enhanced typesetting : Enabled  
Print length : 264 pages



## Symptoms of Non-Parkinsonian Movement Disorders

The symptoms of non-Parkinsonian movement disorders can vary depending on the type of disorder. However, some common symptoms include:

- Tremors
- Rigidity
- Bradykinesia (slowed movement)
- Akinesia (absence of movement)
- Dystonia (involuntary muscle contractions)
- Myoclonus (sudden muscle jerks)
- Chorea (involuntary writhing movements)
- Ballism (violent, flailing movements)
- Athetosis (slow, writhing movements)

### **Diagnosis of Non-Parkinsonian Movement Disorders**

The diagnosis of non-Parkinsonian movement disorders can be difficult. There is no single test that can diagnose all movement disorders, and doctors often rely on a combination of clinical observation, family history, and imaging tests.

Neuroimaging tests, such as MRI, PET, SPECT, EEG, and MEG, can be helpful in diagnosing non-Parkinsonian movement disorders. These tests can help to identify structural abnormalities in the brain, changes in brain chemistry, and abnormal brain activity.

### **Treatment of Non-Parkinsonian Movement Disorders**

The treatment of non-Parkinsonian movement disorders depends on the type of disorder and the severity of the symptoms. There is no cure for most movement disorders, but treatments can help to improve symptoms and quality of life.

Treatment options for non-Parkinsonian movement disorders may include:

- Medications
- Surgery
- Physical therapy
- Occupational therapy
- Speech therapy

## **Imaging Applications in Non-Parkinsonian and Other Movement Disorders**

Neuroimaging has played a significant role in improving our understanding of the pathophysiology and neurochemistry of non-Parkinsonian movement disorders. This has had a significant impact on the diagnosis and treatment options available for these disorders.

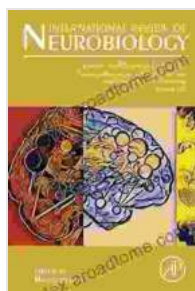
This book provides a comprehensive overview of the latest advances in neuroimaging techniques and their applications in the diagnosis and management of non-Parkinsonian and other movement disorders. The book covers a wide range of topics, including:

- The use of MRI to identify structural abnormalities in the brain

- The use of PET to assess brain metabolism
- The use of SPECT to assess brain blood flow
- The use of EEG to assess brain electrical activity
- The use of MEG to assess brain magnetic activity

This book is a valuable resource for neurologists, neurosurgeons, psychiatrists, and other healthcare professionals who are involved in the diagnosis and treatment of movement disorders.

Non-Parkinsonian movement disorders are a diverse group of conditions that can have a significant impact on a person's quality of life. Neuroimaging has played a significant role in improving our understanding of these disorders and has led to advances in diagnosis and treatment. This book provides a comprehensive overview of the latest advances in neuroimaging techniques and their applications in the diagnosis and management of non-Parkinsonian and other movement disorders.



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