



5th Congress of the European Academy of Neurology

Oslo, Norway, June 29 - July 2, 2019

Teaching Course 12

EAN/MDS-ES: Hyperkinetic movement disorders (Level 2)

The paroxysm of dyskinesias

Emmanuel Roze Paris, France

Email: flamand.roze.75012@gmail.com



Conflict of Interest

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In relation to this presentation and manuscript:

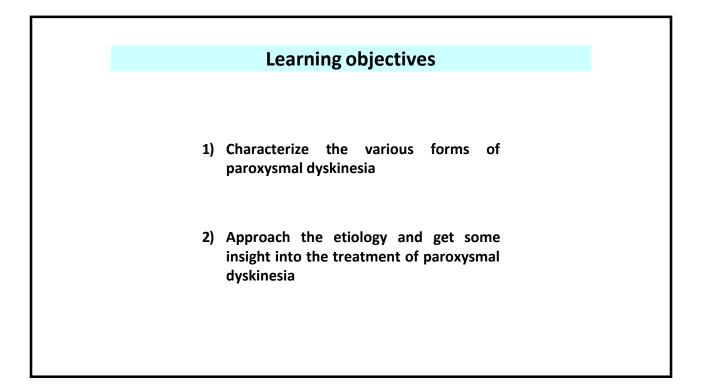
u the Author has no conflict of interest in relation to this manuscript.

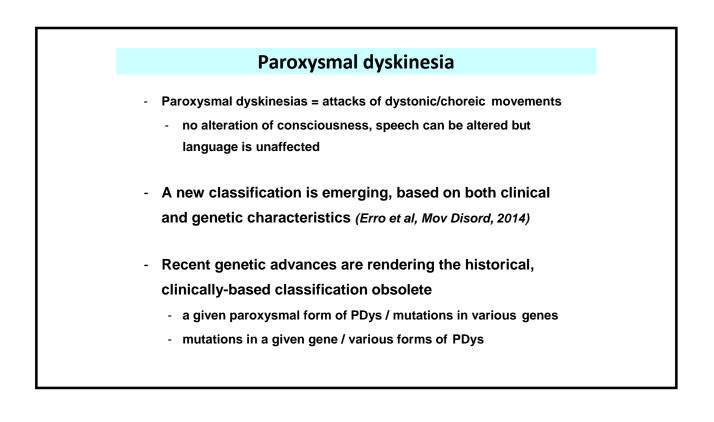


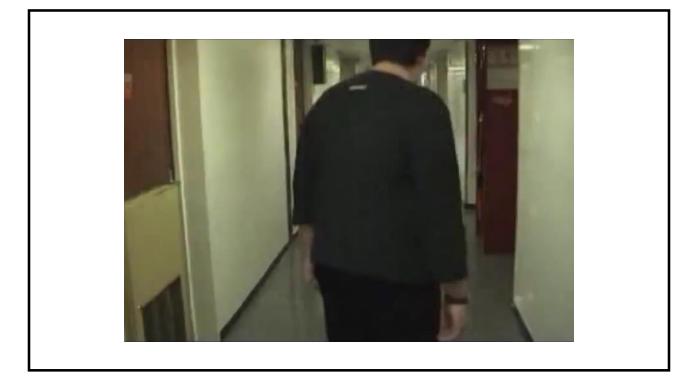
The paroxysm of dystonia

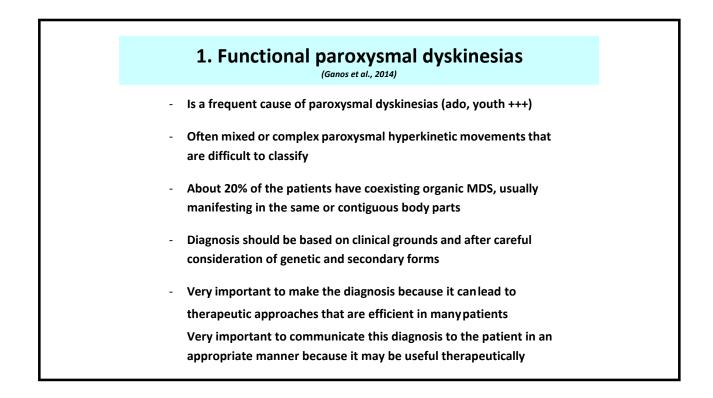


Emmanuel Roze Salpêtrière Hospital, Paris flamand.roze.75012@gmail.com

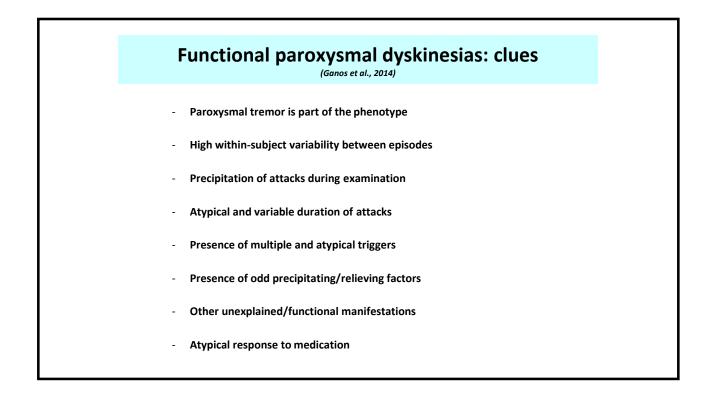


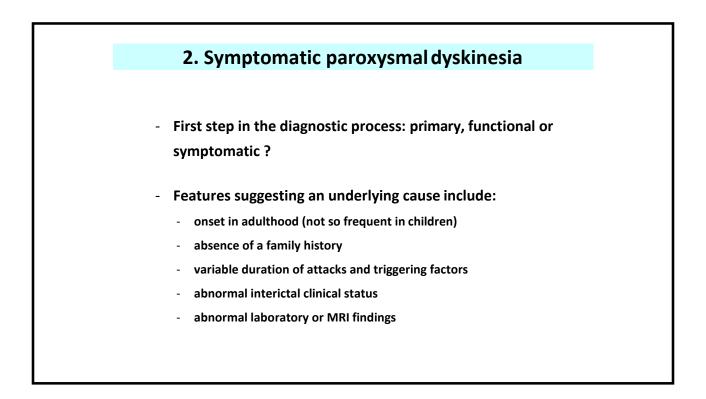


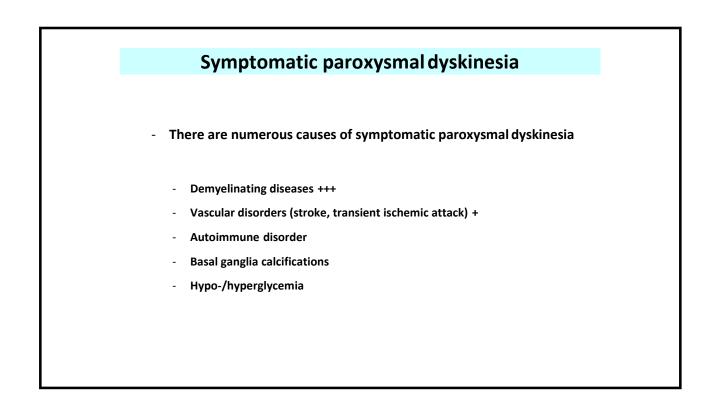




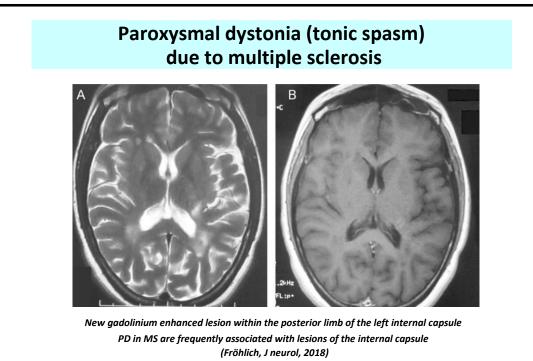






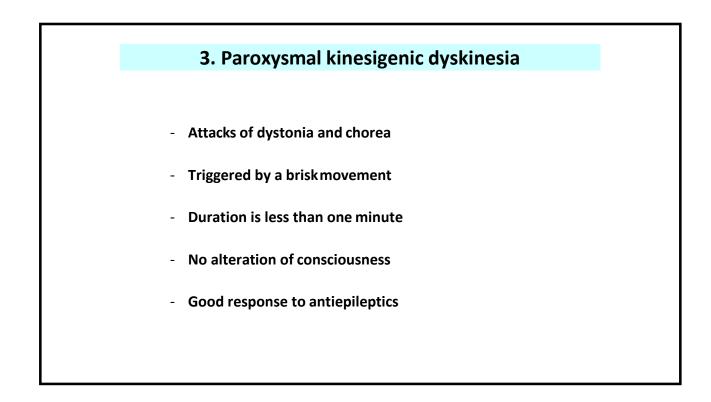


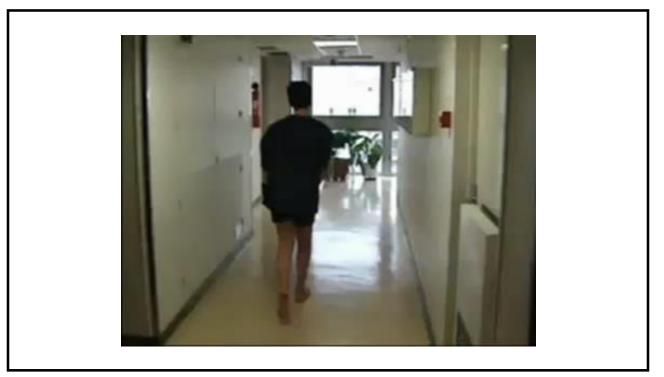




Paroxysmal dystonia / tonic spasm in multiple sclerosis	
Type of movements	Dystonic postures of limbs and/or face
Duration	30 seconds to 2 minutes
frequency	Up to 60/jour
aura	sensitive
Triggering factors	movement, tactile stimulation, noise, hyperventilation
Treatment	Carbamazepine

(Tranchant, Bhatia and Marsden, Mov Disord, 1995)

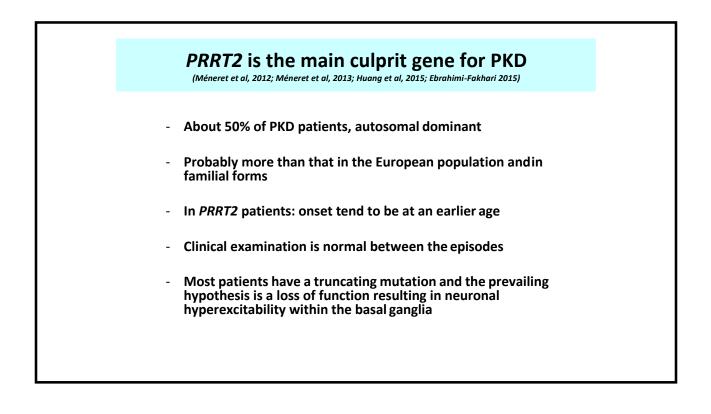


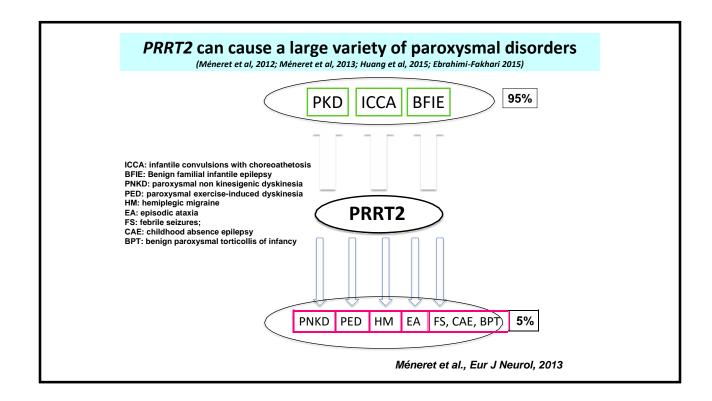


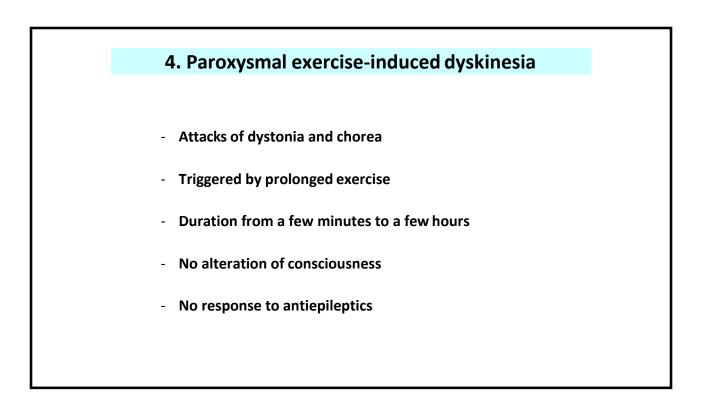




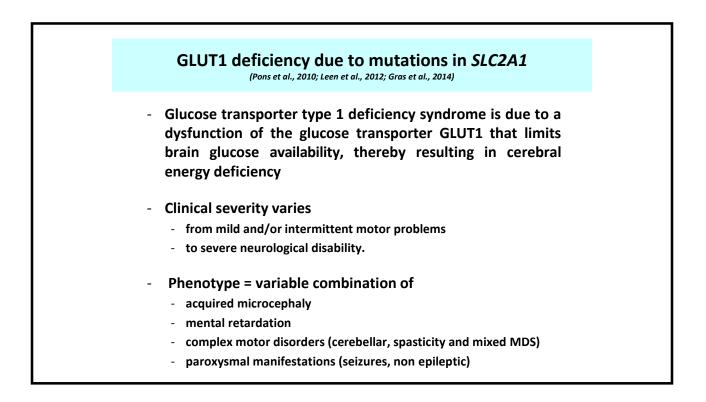


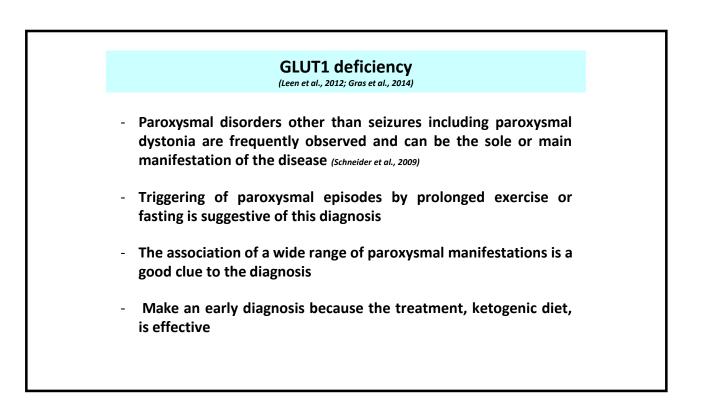


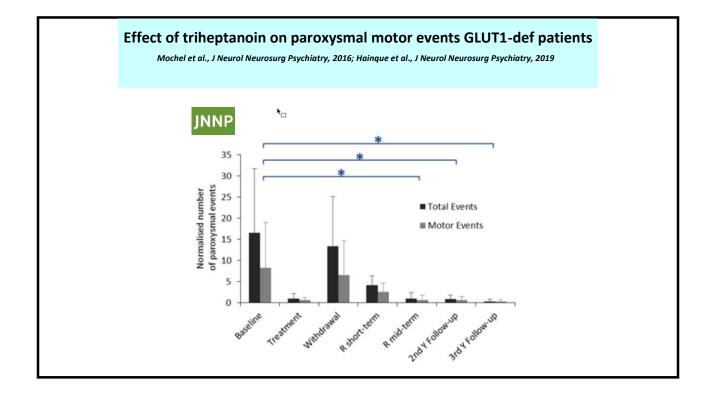




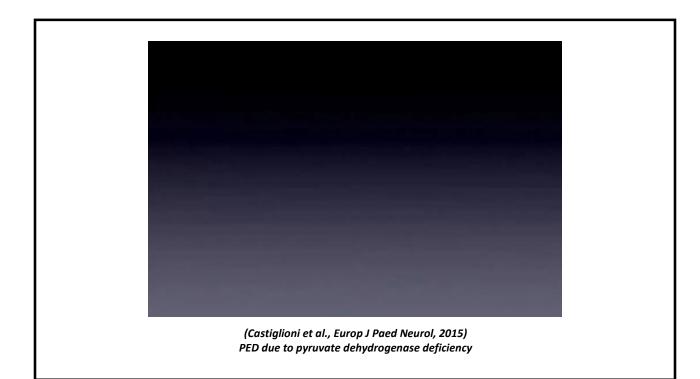


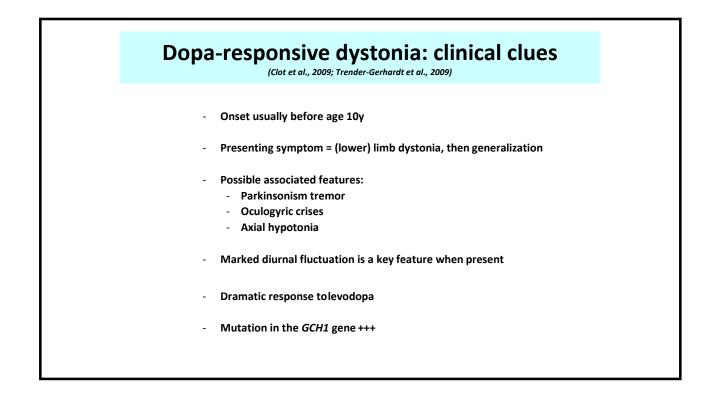






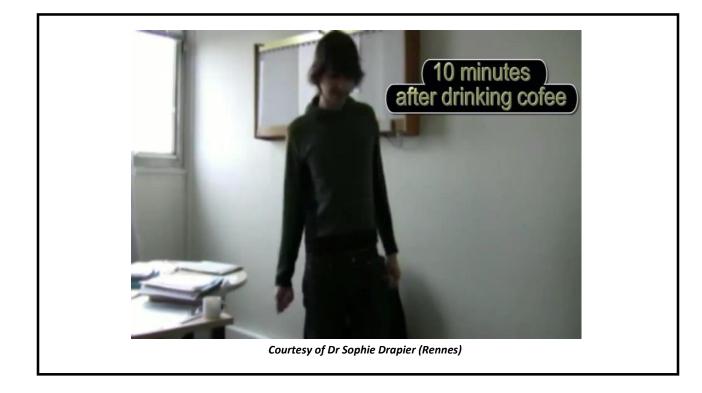


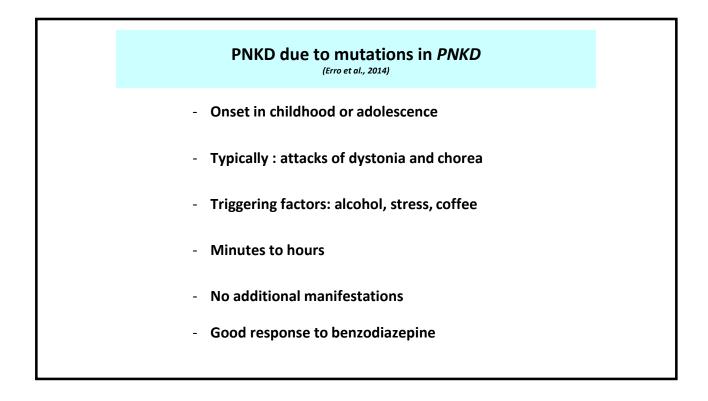


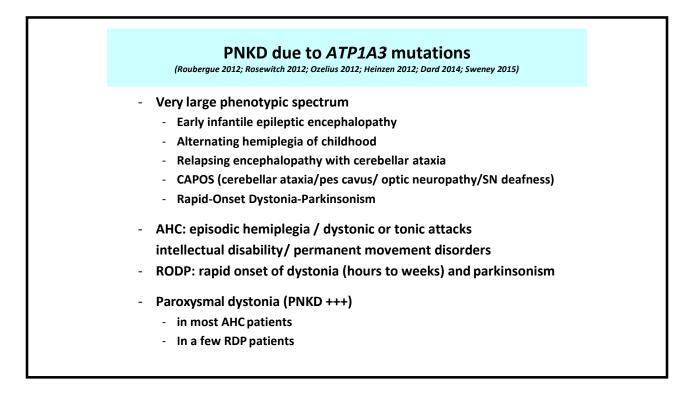




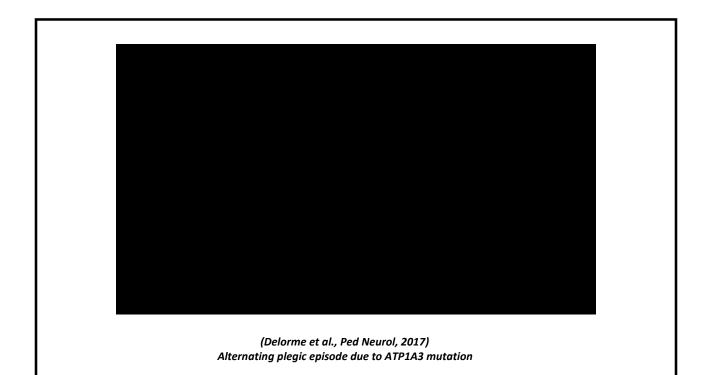


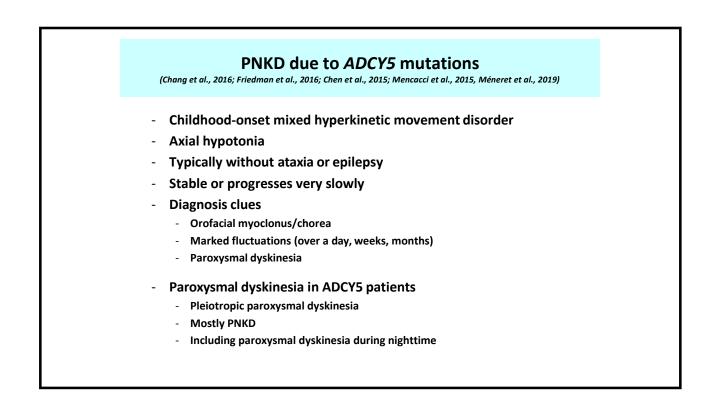






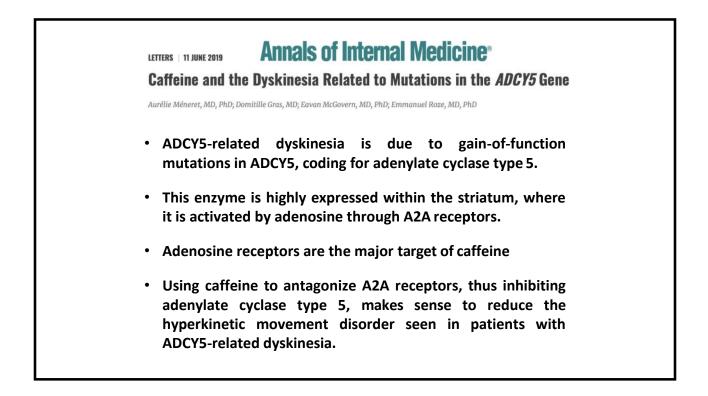




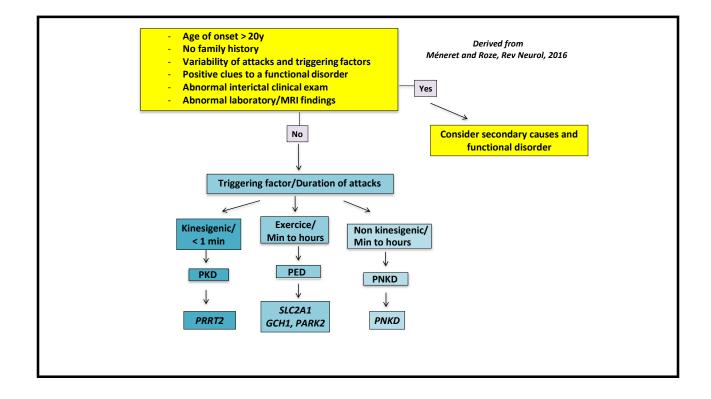


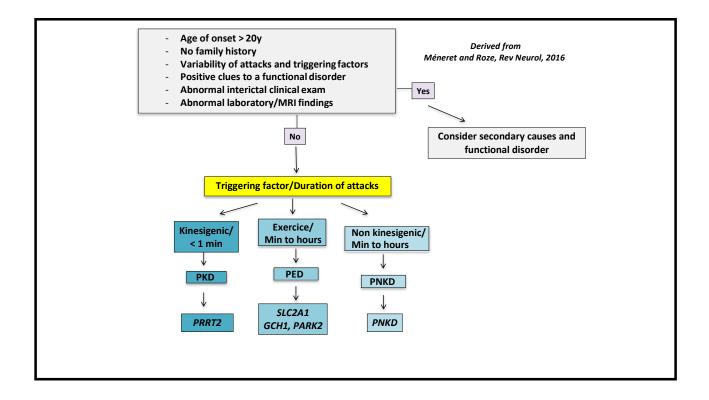


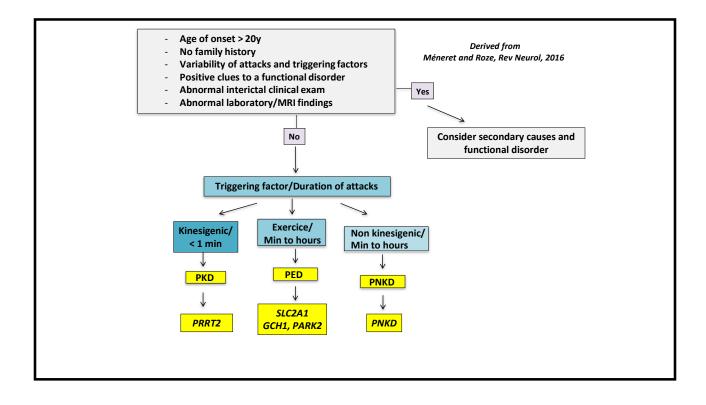


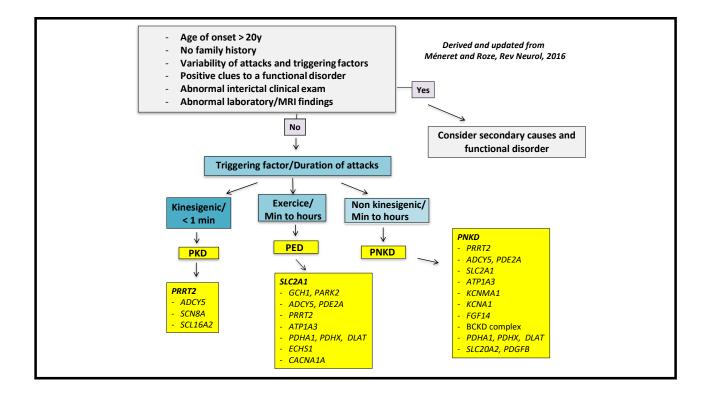


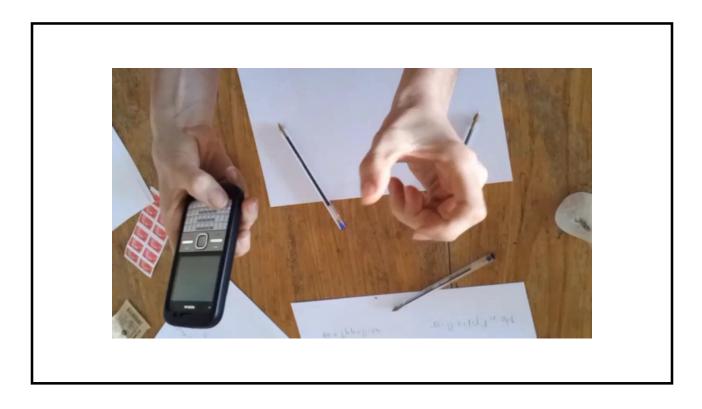
Pathogenesis of ADCY5 dyskinesia
Functionnal MRI + transcranial magnetic stimultaionIf you have ADCY5 patients, age > 15,
who are interested to be involved
please contact usAsya Ekmen
ekmenasya@gmail.comImage: Content of the systemEmmanuel Flamand-Roze
flamand.roze.75012@gmail.com













1 year history of reccurent paroxysmal episodes lasting for a few minutes

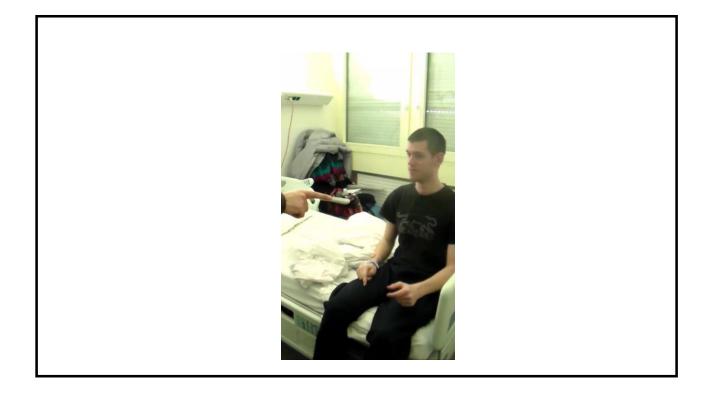
No ictal abnormality on EEG

Courtesy of Pr Roongroj Bhidayasiri (Bangkok)

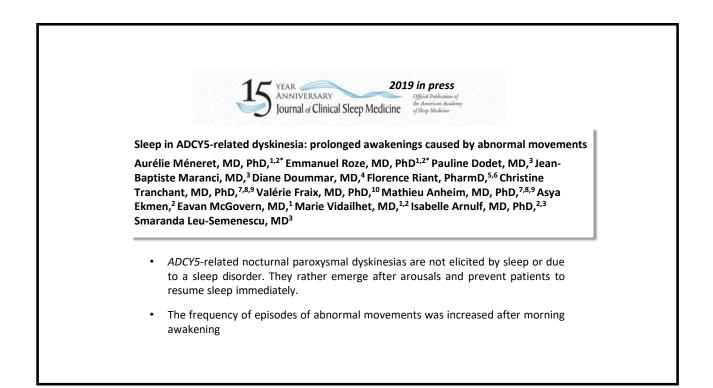


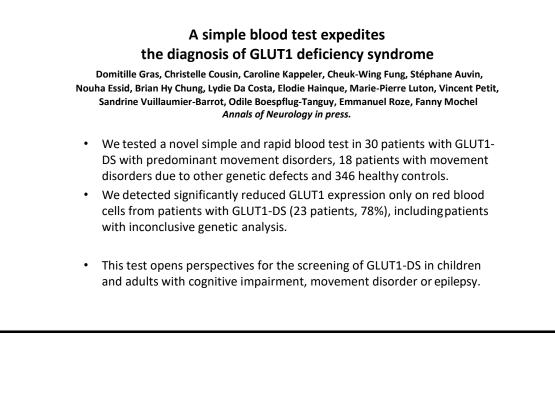


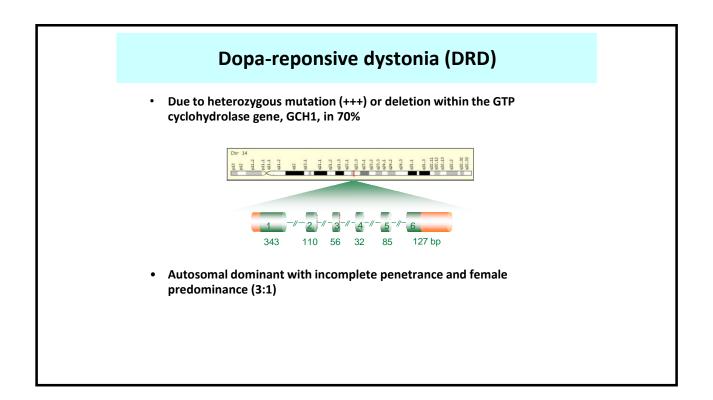
(Pozzi et al., Mov Disord Clin Pract, 2015)













Triheptanoin (UX007; Ultragenyx Pharmaceuticals Inc; Novato; USA) is a medium odd-chain triglyceride containing three 7-carbon fatty acids. Its metabolism yields appropriate substrates for both fatty acid metabolism and anaplerosis. Triheptanoin is well tolerated and has been shown to improve clinical manifestations and/or brain metabolism in various disorders associated with patent brain energy deficits, such as glucose transporter deficiency, pyruvate carboxylase deficiency, and Huntington's disease.

Paroxysmal neurological disorders

- Paroxysmal neurological disorders
 - isolated
 - part of a more complex disorder, with interictal manifestations
- They encompass apparently heterogeneous disorders
 - migraine
 - epilepsy
 - periodic paralysis
 - paroxysmal movement disorders (PD/EA primary/secondary)
- They are linked by
 - a common pathophysiological feature = neuronal hyperexcitability
 - overlapping genetic causes.