

Movement disorders



박진세

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Why classification is necessary?

- Exact nomenclature
- Scientific methodology in the health care
- Compilation of statistics on cause
- Exact prevalence
- Appropriate therapeutic strategy

But

Not interesting

Classification of Movement disorder

- Last update of overall classification : 2011, Movement disorder
- Definition of movement disorder
Excessive of movement or paucity of voluntary or autonomic movement, unrelated weakness or spasticity
- Update classification

Parkinson' disease	2011
Multiple system atrophy	2015
Progressive supranuclear palsy	2017
Corticobasal degeneration	2017
Tremor	2018
Dystonia	2013
Chorea	2006
Ataxia	2017
Myoclonus	2004

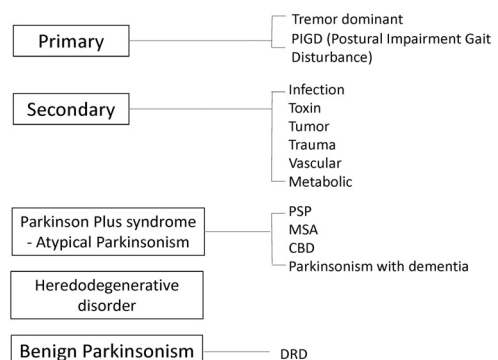
Hypokinesia

1. Akinesia/Bradykinesia (Parkinsonism)
2. Apraxia
3. Blocking (Holding Tics)
4. Cataplexy/Drop attack
5. Catatonia, Psychomotor depression and obsessional slowness
6. Freezing
7. Hesitant gait
8. Hypothyroid slowness
9. Rigidity
10. Stiff muscle

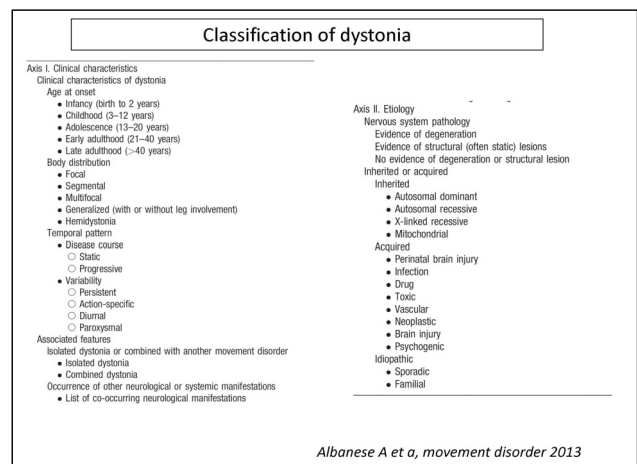
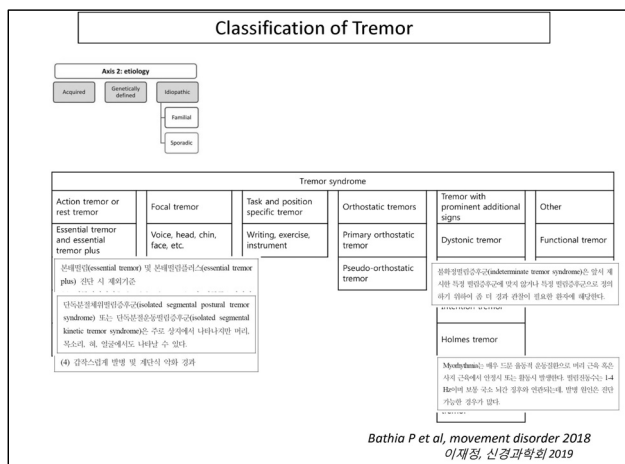
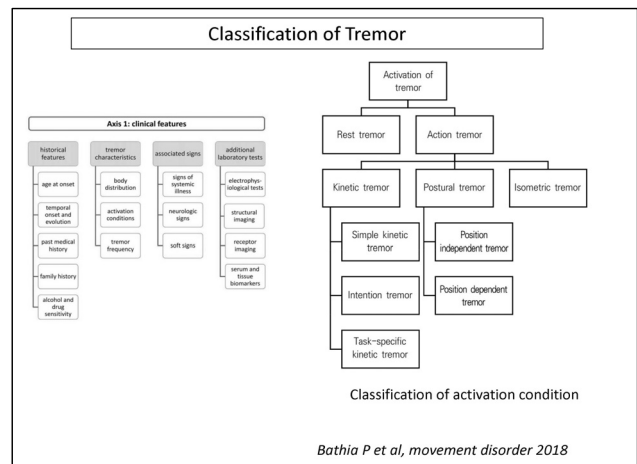
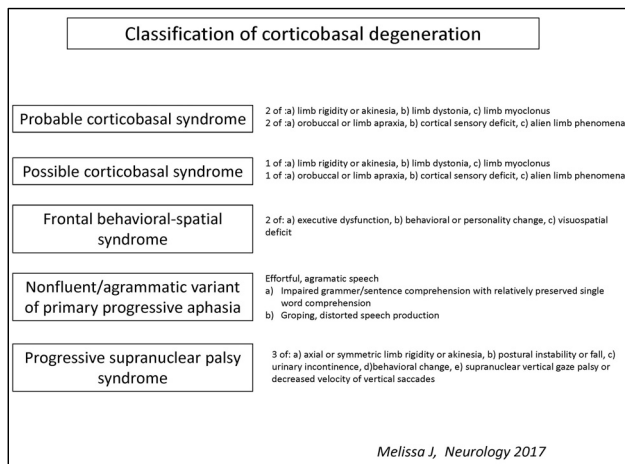
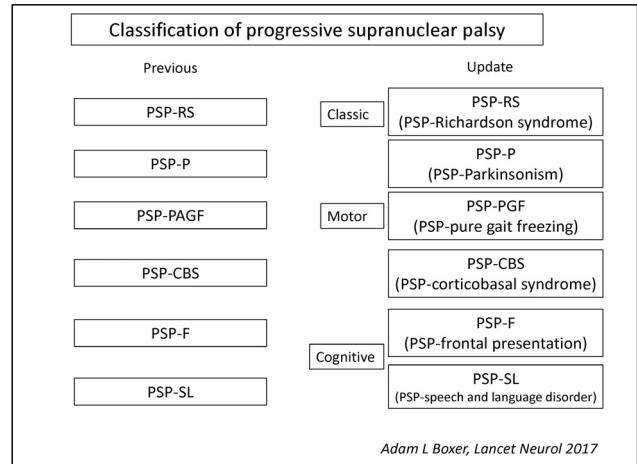
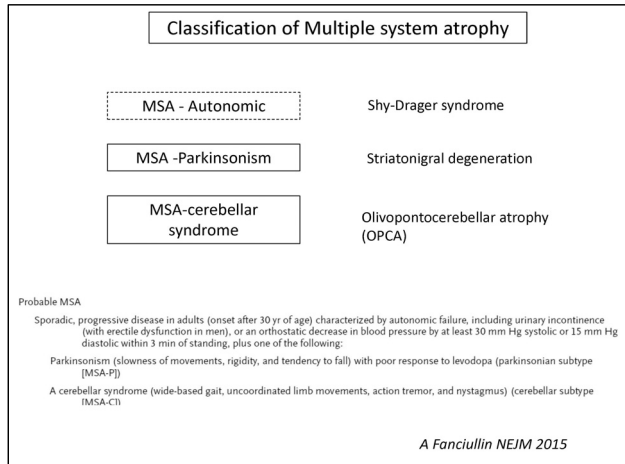
Hyperkinesia

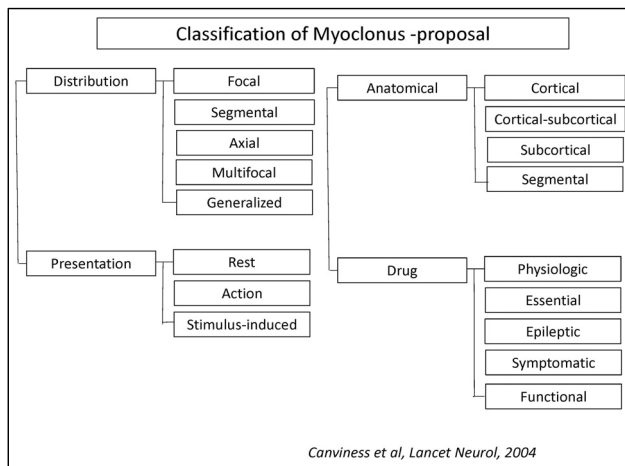
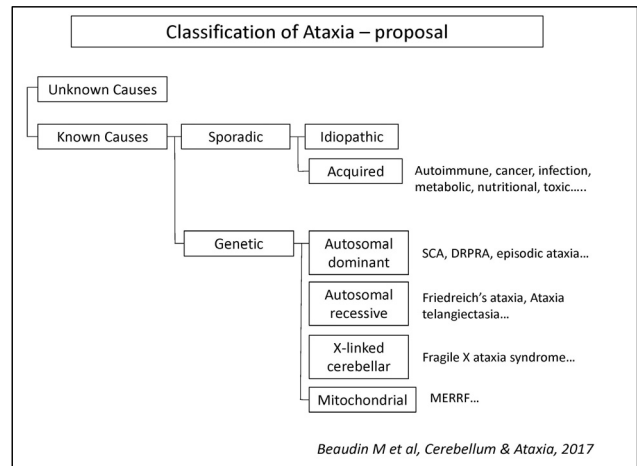
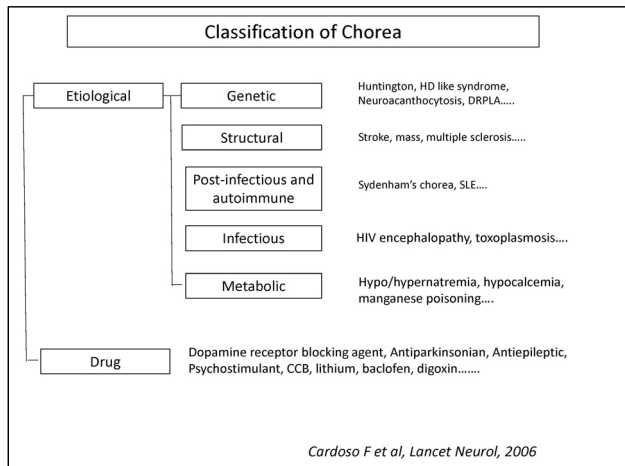
1. Tremor
2. Dystonia
3. Chorea/Athetosis/ballism
4. Ataxia/dysmetria
5. Myoclonus
6. Hemifacial spasm
7. Tic
8. Hyperreflexia
9. RBD
10. Myokimia, synkinesis
11. RLS
12. Moving toe and finger
13. Paroxysmal dyskinesia
14. Abdominal dyskinesia
15. Akathisia
16. Hypnogenic dyskinesia
17. Jumpy stumps
18. Myorhythmia
19. Stereotypy

Classification of Parkinsonism



Fan, Jankovic, Hallet 2011





Take home message

- Classification of movement disorder is essential part of diagnosis and nomenclature
- Tremor classification has been revised in 2018 and were categorized according to two axis
- PSP and CBD has been revised recently, and new nomenclatures were developed
- The classification of ataxia, chorea and myoclonus has been reported in many studies, but consensus criteria should be validated