Doença de Huntington


HUNTINGTON
DISEASE
OSMOSIS.org

Definição - Corea

- Corea - deriva do grego da palavra que quer dizer dança
- Conjunto de movimentos rápidos, imprevisíveis, irregulares e tipo estremecer
  - Perturbação movimento voluntário
  - Atraso na iniciação e lentificação do movimento
  - Pode envolver uma ou várias partes do corpo
- Corea
  - Doença de Wilson - vamos ver mais tarde
  - Doença Huntington
  - Corea de Sydenham - condição rara, resultando de infeção na criança e que usualmente se resolve de forma espontânea

D Huntington

- Doença hereditária em adultos
- Sintomas coreia começam nas mãos e face e depois estende-se a outras partes do corpo

➔ Alterações comportamento e demência

➔ Estadio final:
  - demência severa
  - anartria
  - afagia

D Huntington

- Força muscular é preservada
- Habilidade de iniciar movimento permanece
- Condução de movimentos contínuos (caminhar, falar) → condiciona por espasmos musculares sobrepostos

D Huntington - prevalência/incidência

- 2-12 pessoas/100000

- Idade início
  - 30-45 anos
  - poderá ser mais cedo ou mais tarde

- Duração 15-20 anos

Doença de Huntington

Hereditariedade autossómica dominante

Degenerativa - Evolução lenta e progressiva

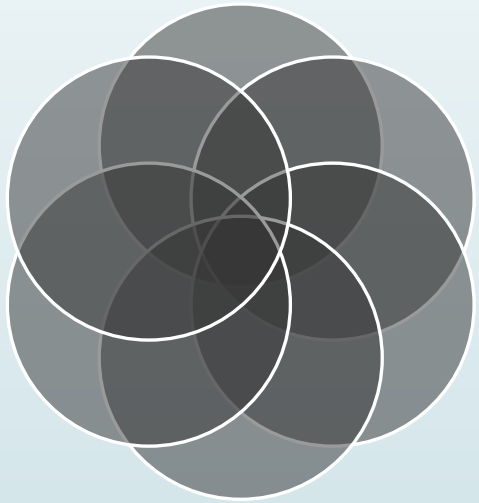
Neuroimagem com diminuição do volume das estruturas dos gânglios basais

Sobrevida 15-20 anos

Demência

Alterações cognitivas e psiquiátrica

Disartria progressiva – diminuição velocidade da fala



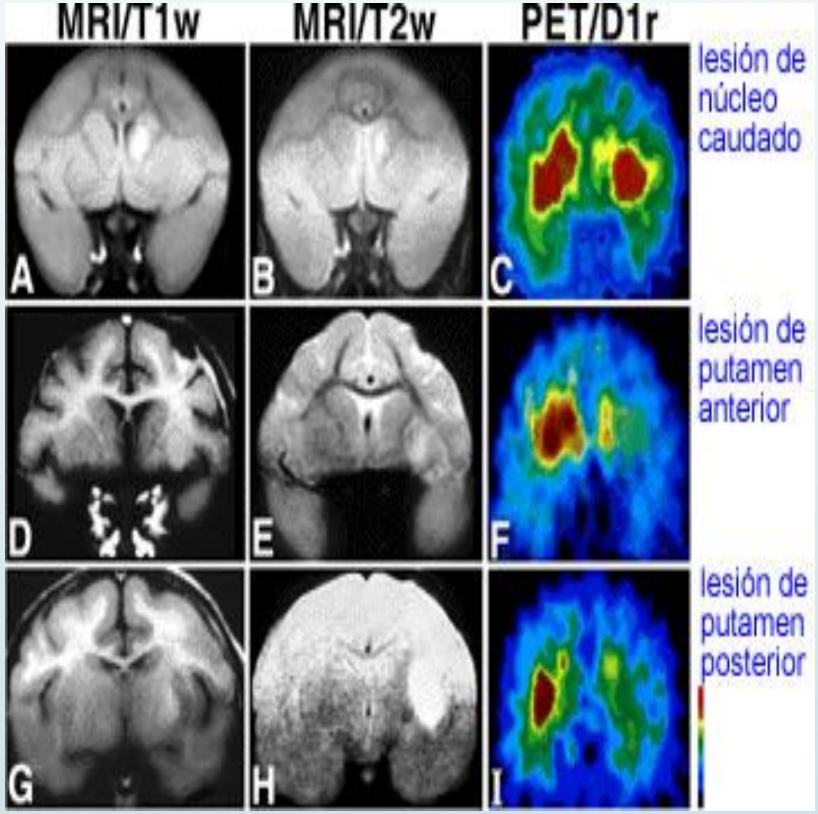
Rigidez e Movimentos Coreicos

Tremor de Intenção

Disfagia (nas fases moderada e avançada da doença)

Doença de Huntington - Diagnóstico

- História familiar da doença;
- Padrão de deterioração progressiva
- Ocorrência de coreia a alterações psiquiátricas sem outras causas aparentes;
- Estudos imagiológicos como TAC, RMN, PET



REVIEW Open Access

Huntington's disease: a clinical review

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Abstract

Huntington disease (HD) is a rare neurodegenerative disorder of the central nervous system characterized by unwanted choreatic movements, behavioral and psychiatric disturbances and dementia. Prevalence in the Caucasian population is estimated at 1/10,000-1/20,000. Mean age at onset of symptoms is 30-50 years. In some cases symptoms start before the age of 20 years with behavior disturbances and learning difficulties at school (Juvenile Huntington's disease; JHD). The classic sign is chorea that gradually spreads to all muscles. All psychomotor processes become severely retarded. Patients experience psychiatric symptoms and cognitive decline. HD is an autosomal dominant inherited disease caused by an elongated CAG repeat (36 repeats or more) on the short arm of chromosome 4p16.3 in the Huntingtine gene. The longer the CAG repeat, the earlier the onset of disease. In cases of JHD the repeat often exceeds 55. Diagnosis is based on clinical symptoms and signs in an individual with a parent with proven HD, and is confirmed by DNA determination. Pre-manifest diagnosis should only be performed by multidisciplinary teams in healthy at-risk adult individuals who want to know whether they carry the mutation or not. Differential diagnoses include other causes of chorea including general internal disorders or iatrogenic disorders. Phenocopies (clinically diagnosed cases of HD without the genetic mutation) are observed. Prenatal diagnosis is possible by chorionic villus sampling or amniocentesis. Preimplantation diagnosis with *in vitro* fertilization is offered in several countries. There is no cure. Management should be multidisciplinary and is based on treating symptoms with a view to improving quality of life. Chorea is treated with dopamine receptor blocking or depleting agents. Medication and non-medical care for depression and aggressive behavior may be required. The progression of the disease leads to a complete dependency in daily life, which results in patients requiring full-time care, and finally death. The most common cause of death is pneumonia, followed by suicide.