

# **SISTEMA MOTOR**



Havaianas =  
miopatia brasileira

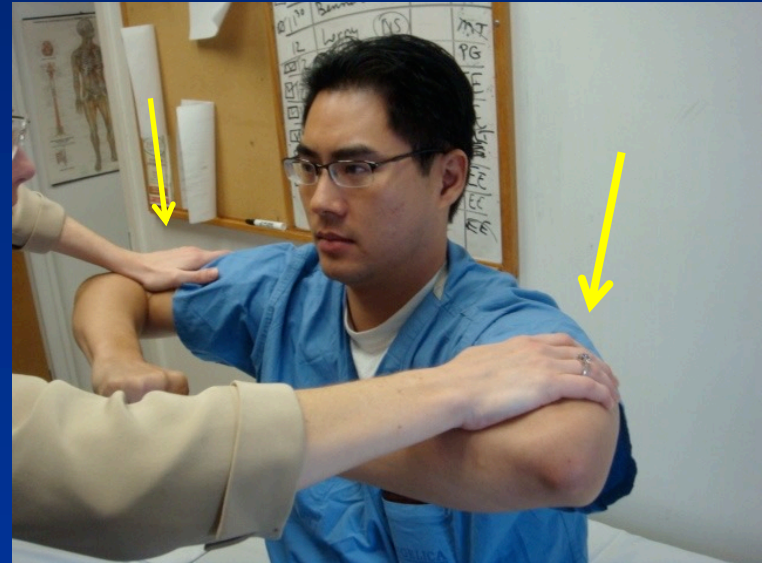
Tony Amato

# ABDUÇÃO DO OMBRO

45 graus



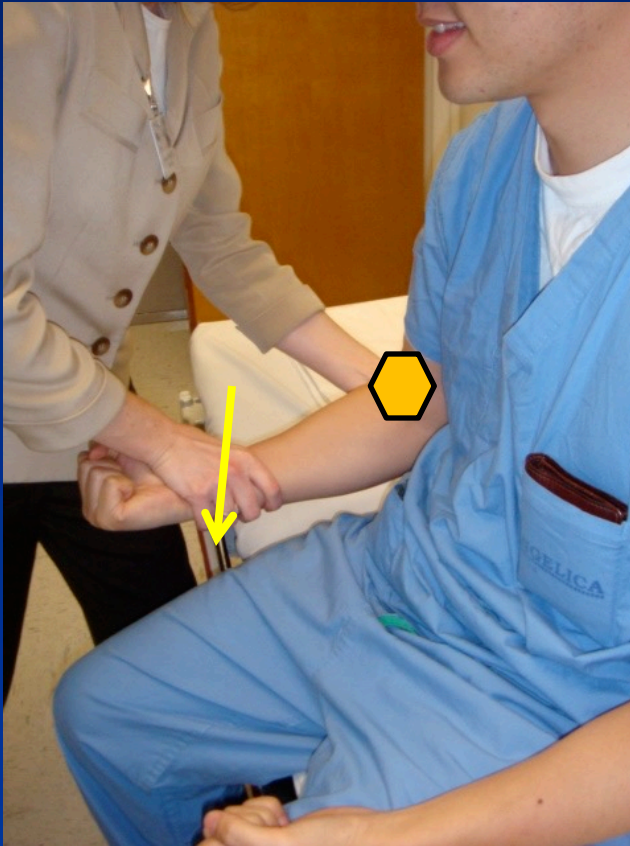
90 graus



↓ = força do examinador



# Flexão do cotovelo



 = ponto de fixação

# Flexão do joelho fraco em lesão de nms



# TORNOZELO

## FLEXÃO PLANTAR



## DORSIFLEXÃO



**Dica básica: caminhar na ponta dos pés e sob os calcanhares**

## Graduação da força

- 0 – Sem movimento**
- 1 – Pequena contração**
- 2 – Mexe apenas para os lados**
- 3 – Vence a gravidade**
- 4 – O examinador quebra a postura**
- 5 – Normal**



# Lesão do trato cortico-espinhal



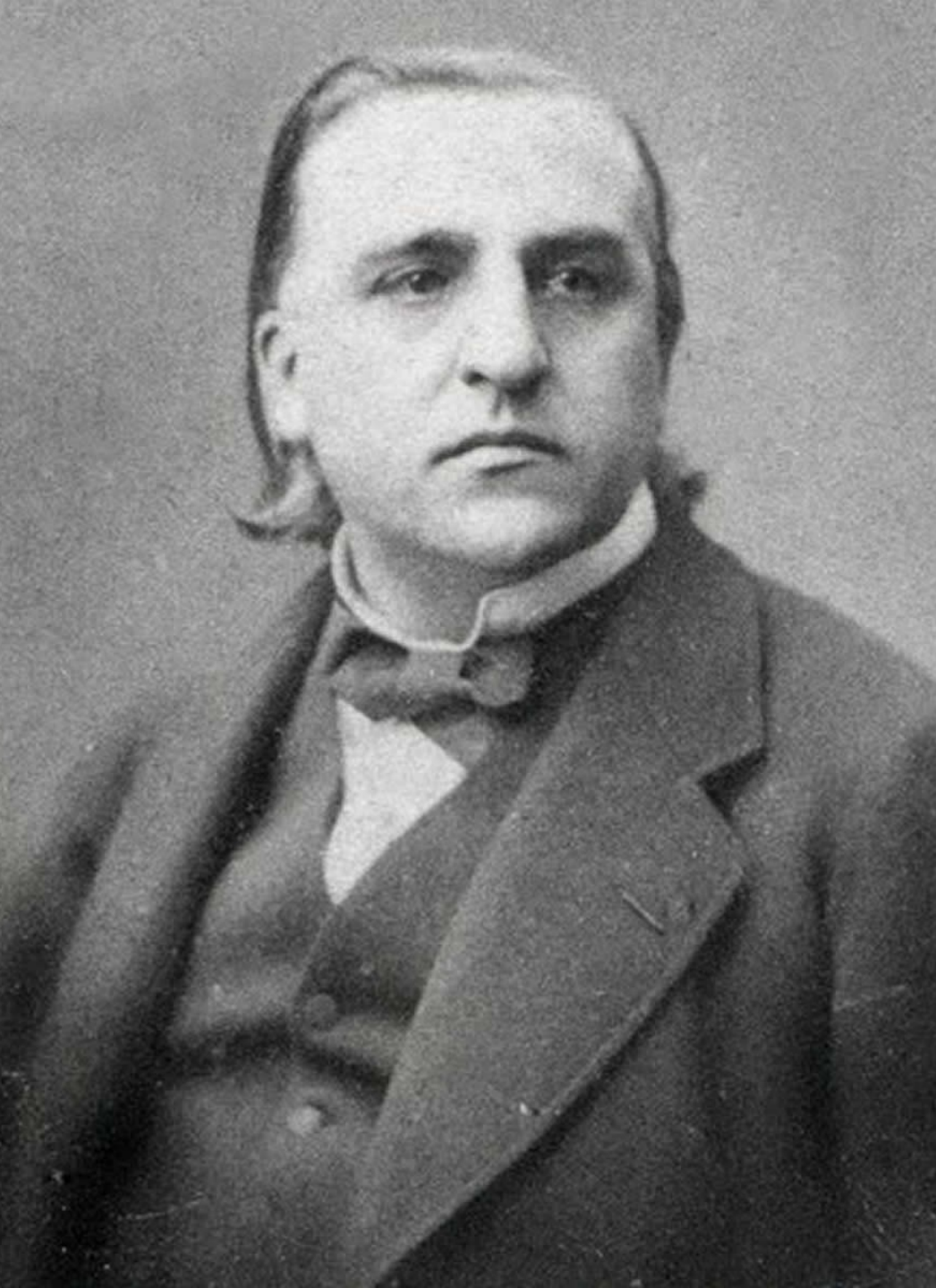
**Proximal = músculo**



**Distal = nervo**









Atrofia interóssea





**Escápula Alada**

# Fasciculações





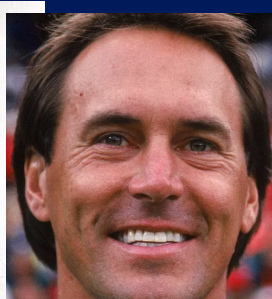
Stefano Borgonovo



O. J. Brigance



Ezzard Charles



Dwight Clark



Steve Gleason



Stephen Darby



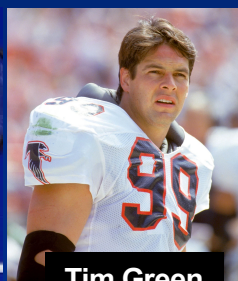
Peter Doohan



Bruce Edwards



Jérôme Golmard



Tim Green



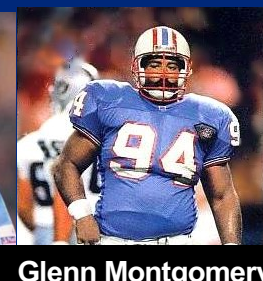
Catfish  
Hunter



David Hagen



Lenny Johnrose



Glenn Montgomery



Krzysztof Nowak



Fernando Ricksen



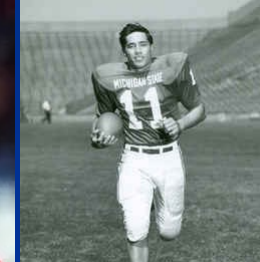
Ed Sadowski



Gianluca Signorini



Doddie Weir



Charlie Wedemeyer



Ayan Sadakovich





**Washington**

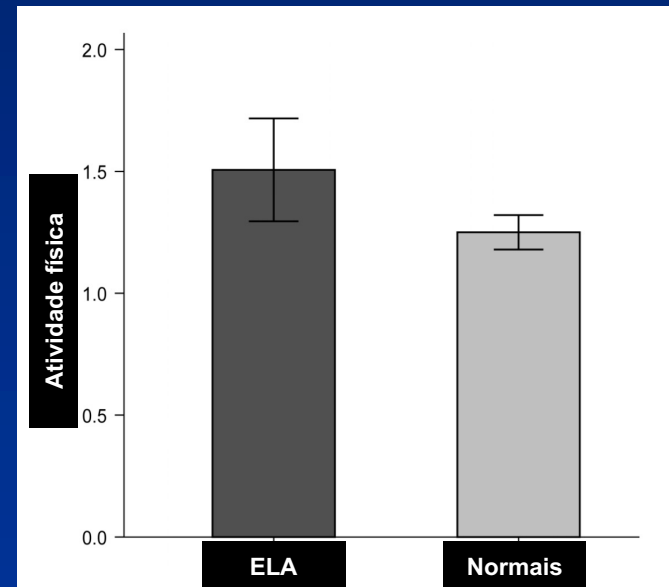


**Washington**





## Atividade física e risco de Esclerose Lateral Amiotrófica



J Neurol Neurosurg Psychiatry. 2013;84:976-81

## **Exame Motor**

**Força**

**Tônus**

**Trofismo**

**Equilíbrio/Marcha**

**Coordenação**

**Movimentos involuntários**



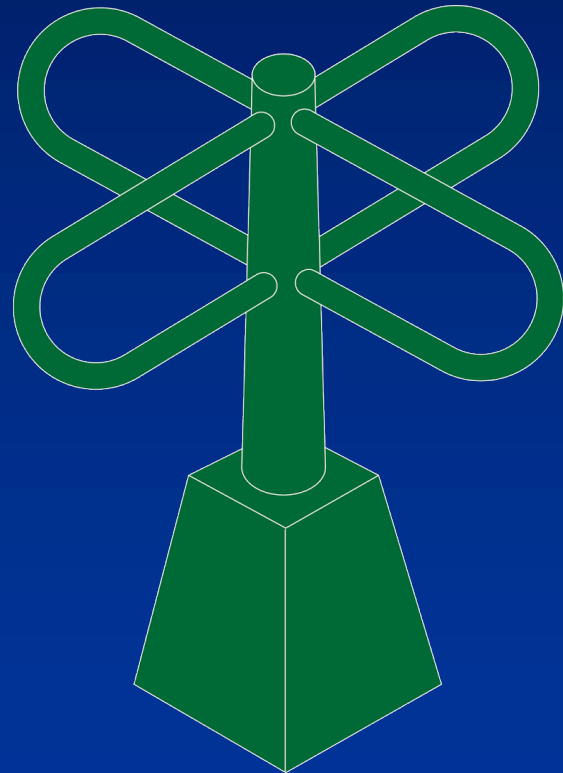
# Hipertonia ou rigidez

**CANIVETE**



**AVC**

**RODA DENTEADA**



**PARKINSON**



## **Exame Motor**

**Força**

**Tônus**

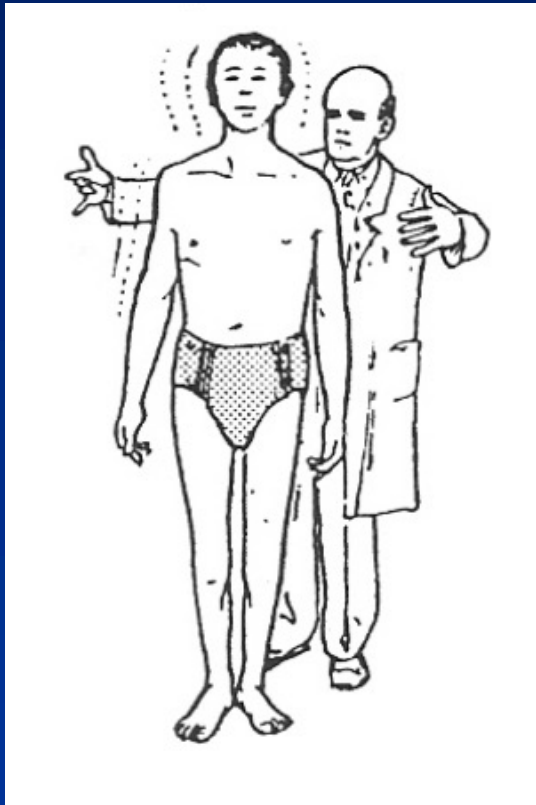
**Trofismo**

**Equilíbrio/Marcha**

**Coordenação**

**Movimentos involuntários**

## Equilíbrio estático



## Equilíbrio dinâmico

### **Tipos de marcha:**

- **Cerebelar (atáxica)**
- **Hemiparética**
- **Escarvante**
- **Miopática**
- **Parkinsoniana**
- **Magnética**
- **Apráxica**
- **Psicogênica**



**Hemiparética**



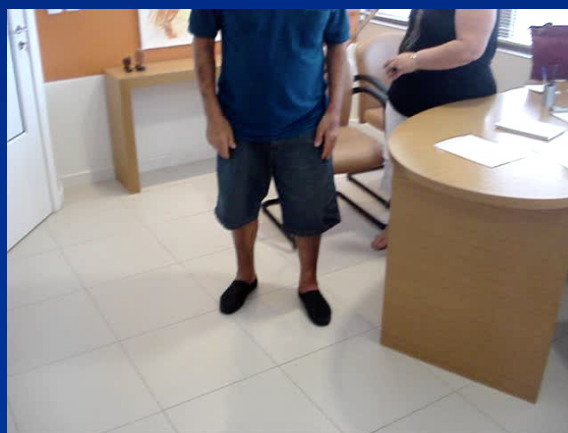
**Escarvante**



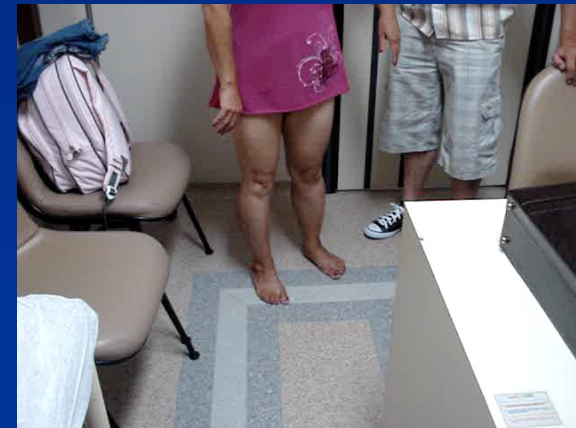
**Miopática/Anserina/Basculante**



**Parkinsoniana**



**Apráxica**



**Psicogênica**

## **Exame Motor**

**Força**

**Tônus**

**Trofismo**

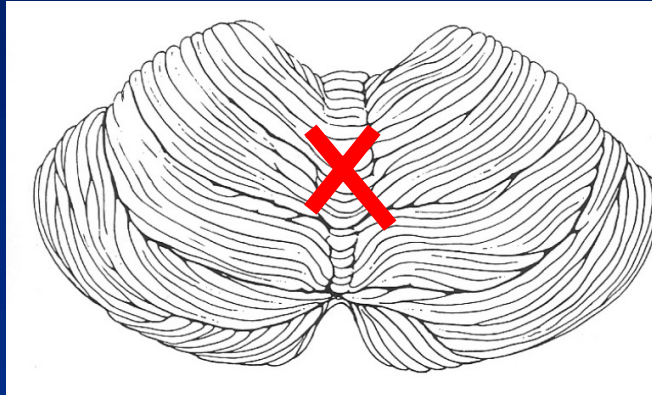
**Equilíbrio/Marcha**

**Coordenação**

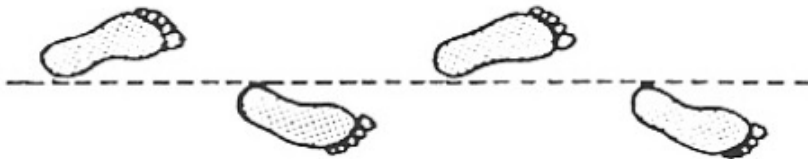
**Movimentos involuntários**



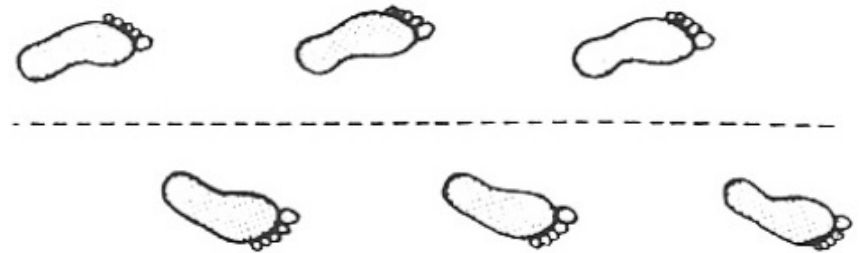
# Ataxia de marcha



Normal



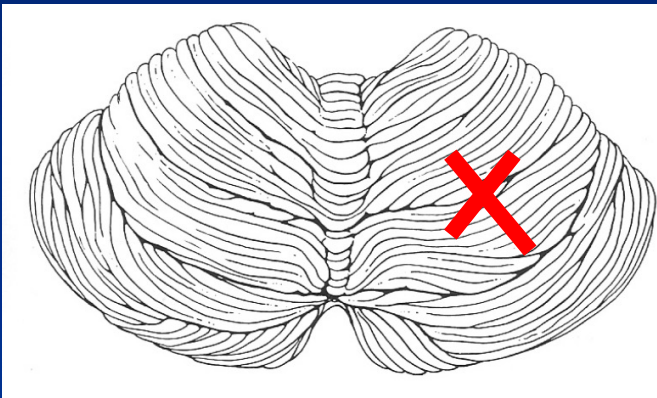
Base alargada



# Ataxia de marcha



# Dismetria



## **Exame Motor**

**Força**

**Tônus**

**Trofismo**

**Equilíbrio/Marcha**

**Coordenação**

**Movimentos involuntários**





**Coréia**



**Mioclonia**



**Parkinson**



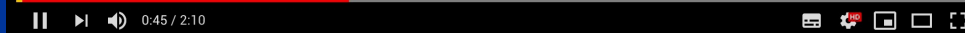
Tônico-clônica generalizada



Crise parcial complexa

**Here i have just taken my anti-  
Epileptic drugs.**

**I am talking to myself because  
it help triggers my absence  
seizures.**



Crise de ausência (generalizada)