

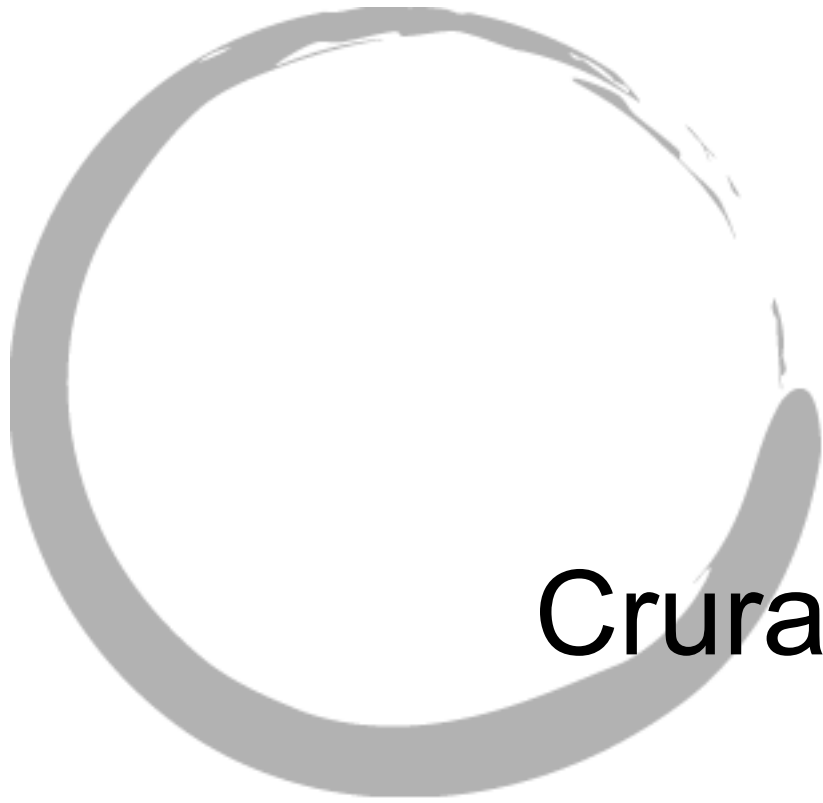




# Pitfalls in Manual Medicine: Cases Presentations

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**Crural weakness**



# Anamnesis

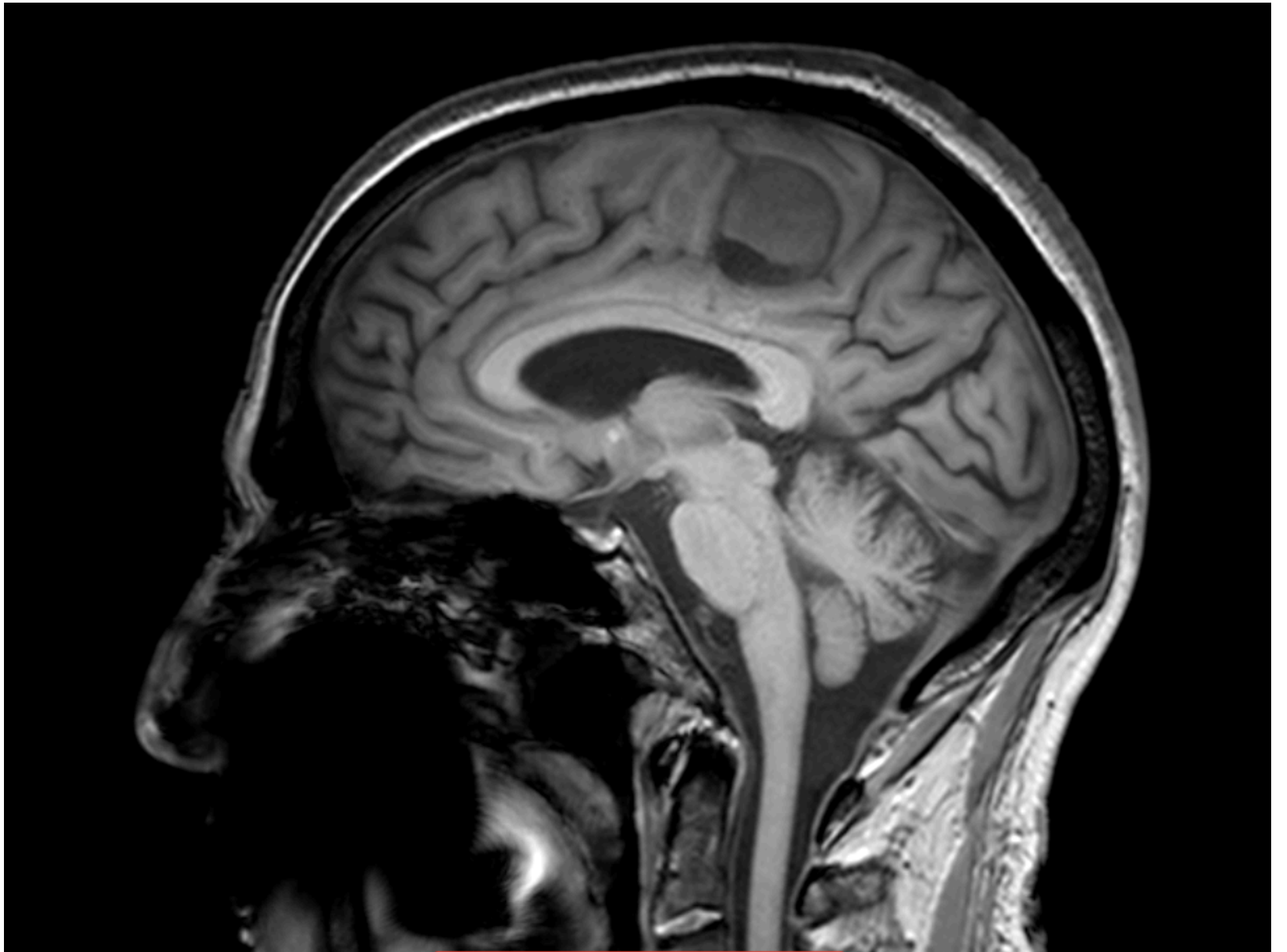
- Male 76 years
- Progressive weakness of the right thigh
- Difficulty going downhill since 6 months
- No pain, no paresthesia
- Chronic LBP, low grade

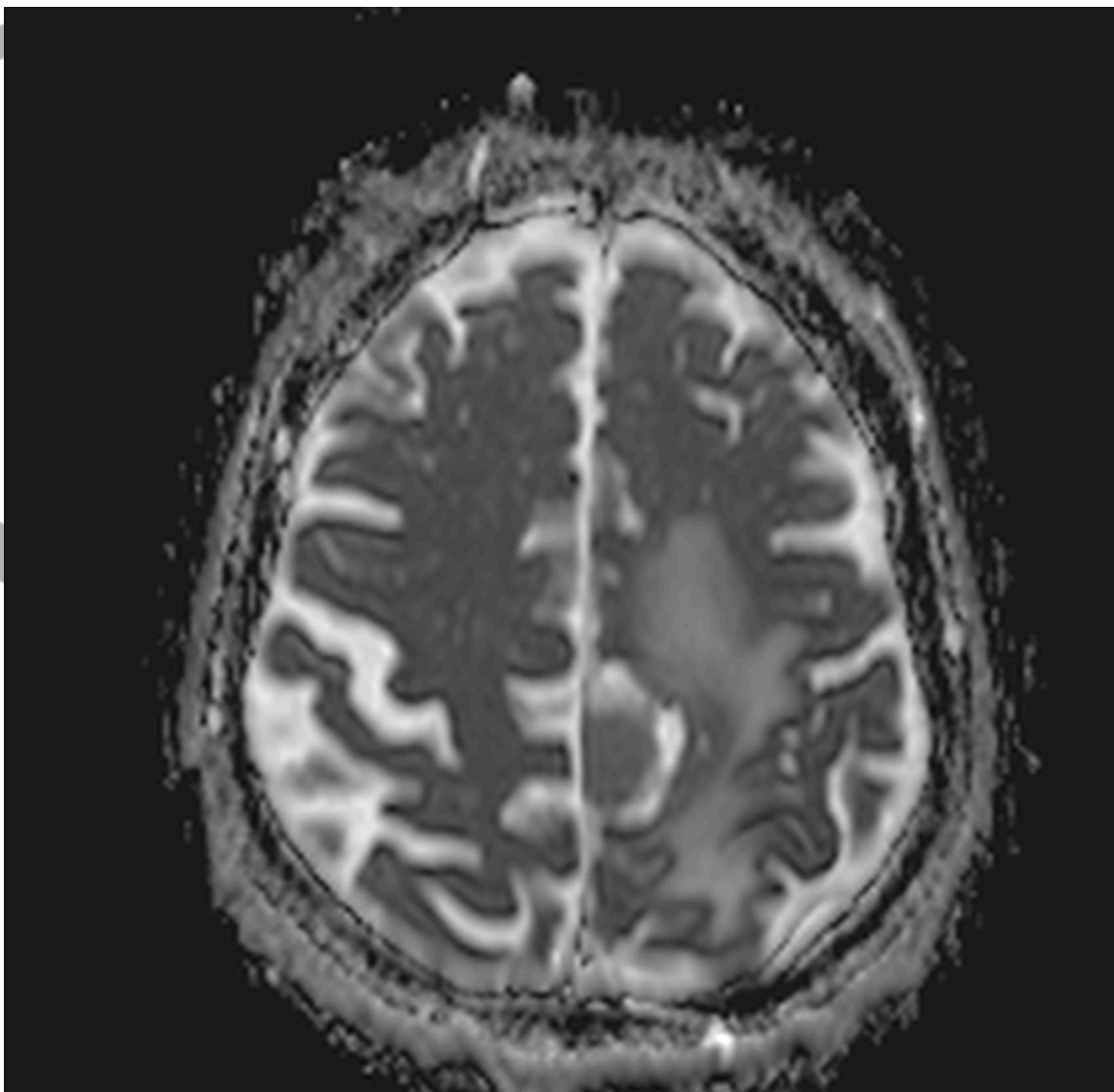
# Previous History

- Coronary Bypass, 4 years before
- No cardiac symptoms
- Last ergometry difficult because of the thigh weakness.
- Treated arterial hypertension

# Clinical examination

- Thigh weakness on squatting
- Tendinous reflexes: symmetrical
- No muscle atrophy
- Pain and touch sensibility: OK
- Diminished pallesthesia in the right leg
- Diminished sense of position in the right leg
- Right dysmetria (Heel to knee test)
- Negative Babinski's sign









# Diagnosis

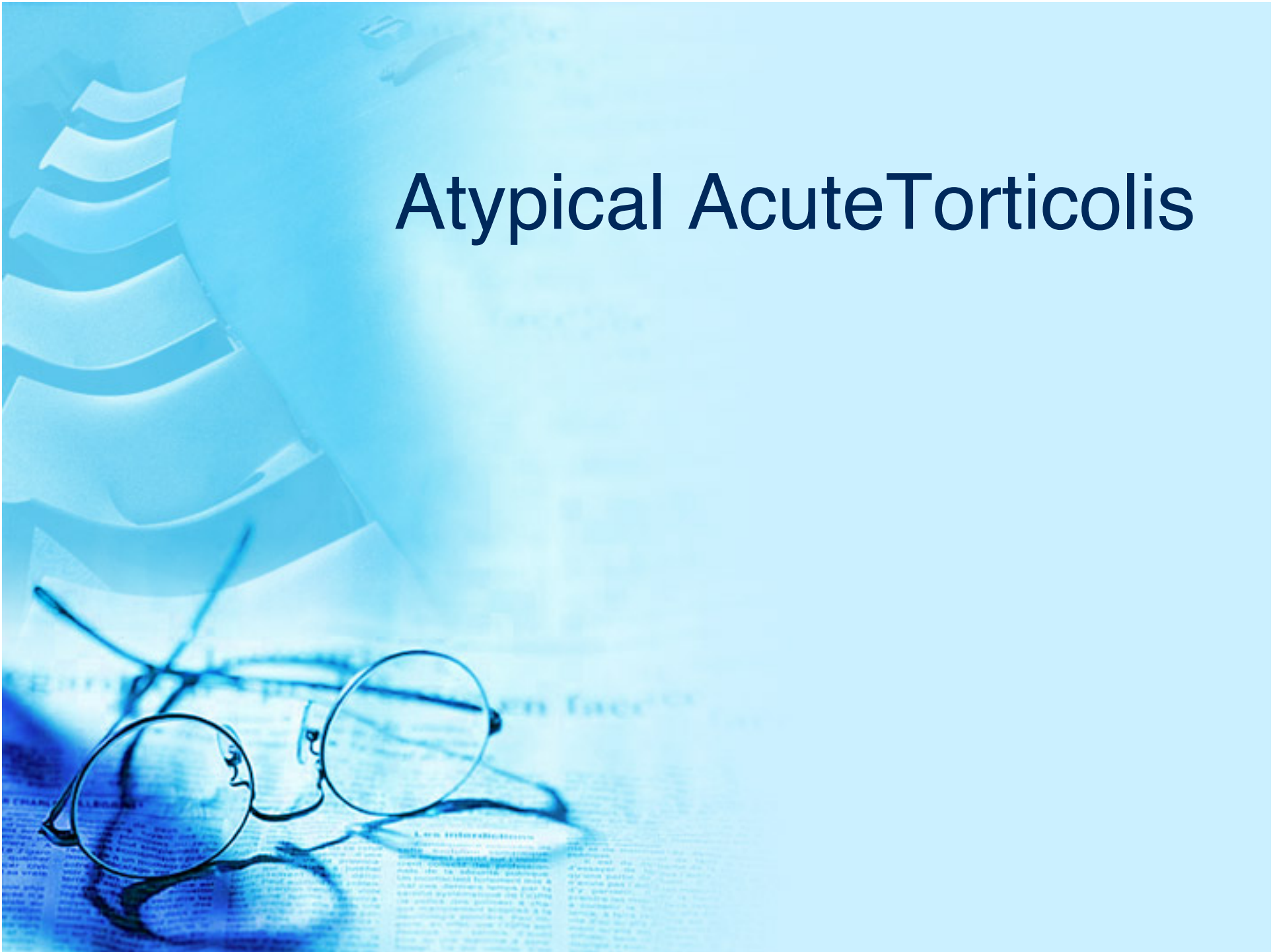
Meningioma of the falx cerebri

Surgery

# Catamnesis

- Persistent right L5 paresis with drop foot
- No pain
- Heidelberg Orthosis
- Can walk 2-3 hours!

# Atypical Acute Torticollis



# History

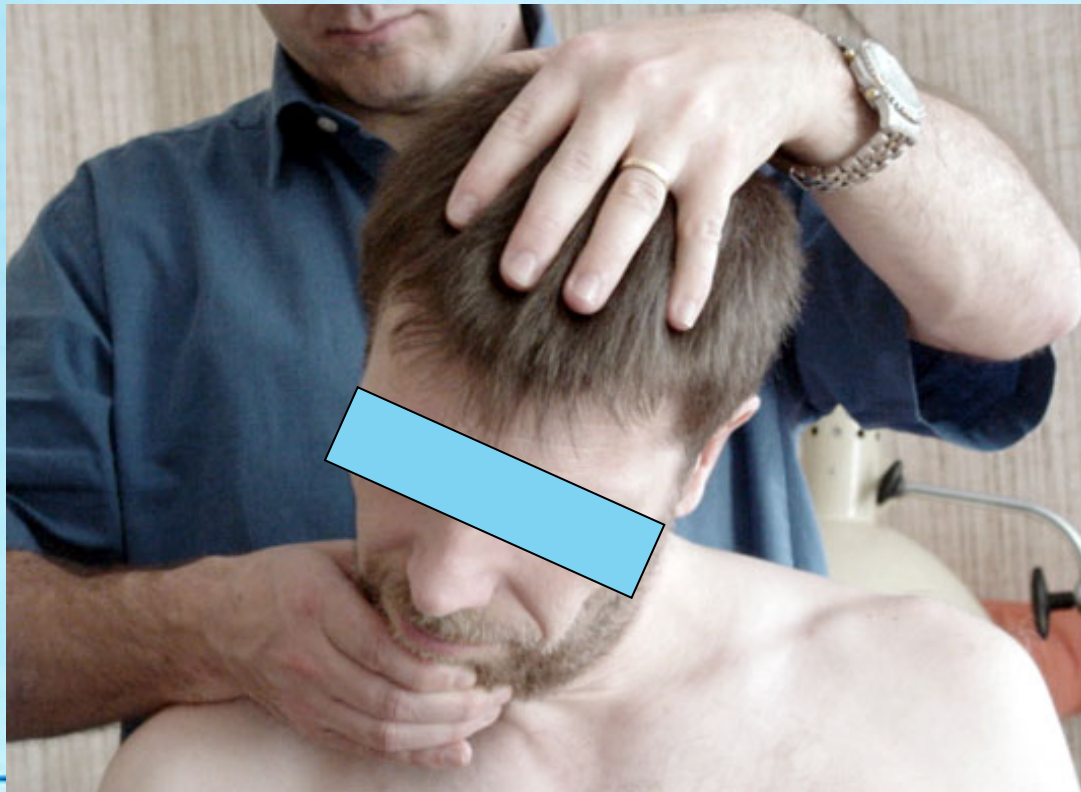
- 55 years old women
- The day after a music concert!
- Painful limitation of the right cervical rotation and flexion
- Undefined previous cervical trauma
- Previous neck pain treated by lay osteopathic manipulations with adverse reactions

# Clinical examination

- Bilateral asymmetrical painful limitations of the cervical rotations, both superior and inferior cervical spine
- Limited painful cervical flexion

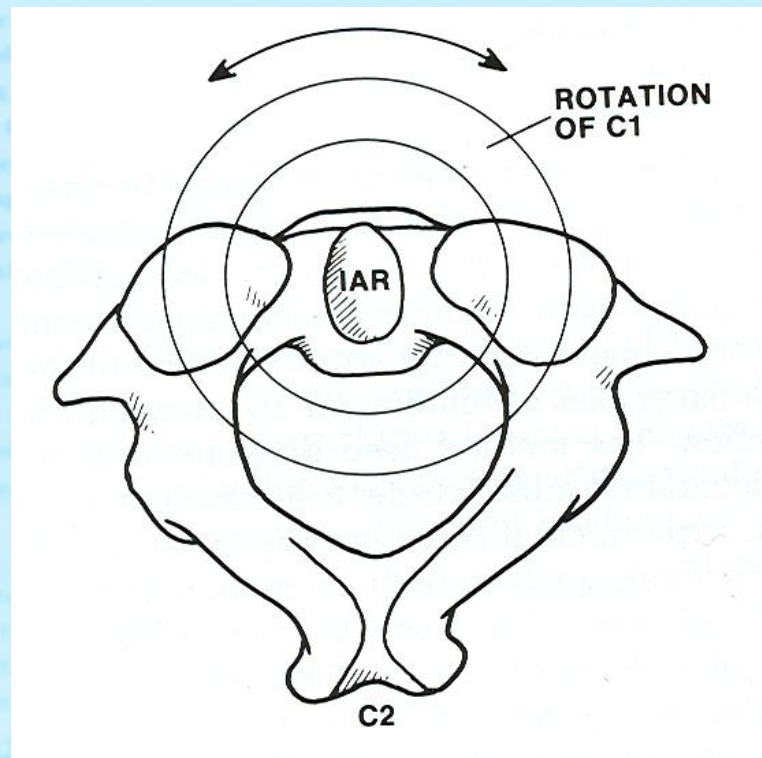


# Rotation C1-C2



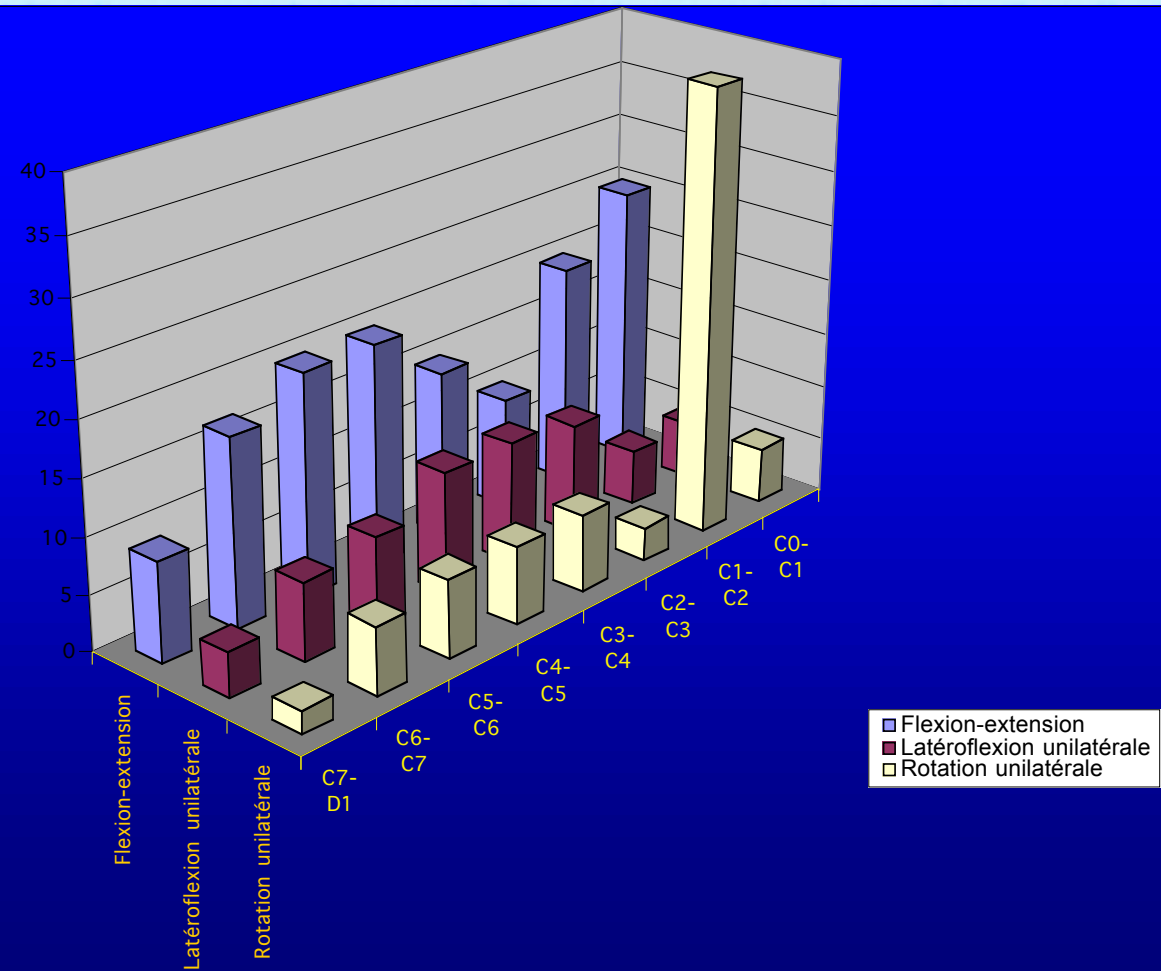
35-0-35

# IAR C1-C2 / rotation



Clinical Biomechanics of the Spine, White and Panjabi

# Cervical Mobility / White et Panjabi





Sagittal.8 WL= 500  
/UE0/ WW= 2500

F/P

Sagittal  
FC30/UE

09:41:59.4

9.474 M:  
120788: 15: 15  
-0.56mm  
+0.00



9.474 M:

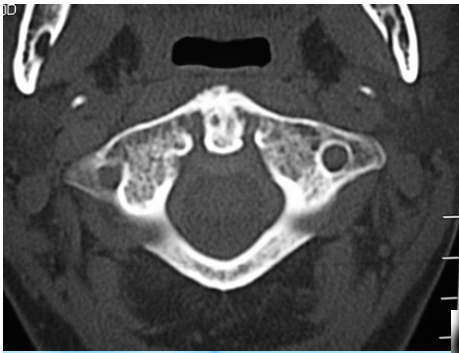
120788: 14:8

-10.21mm

+0.0D

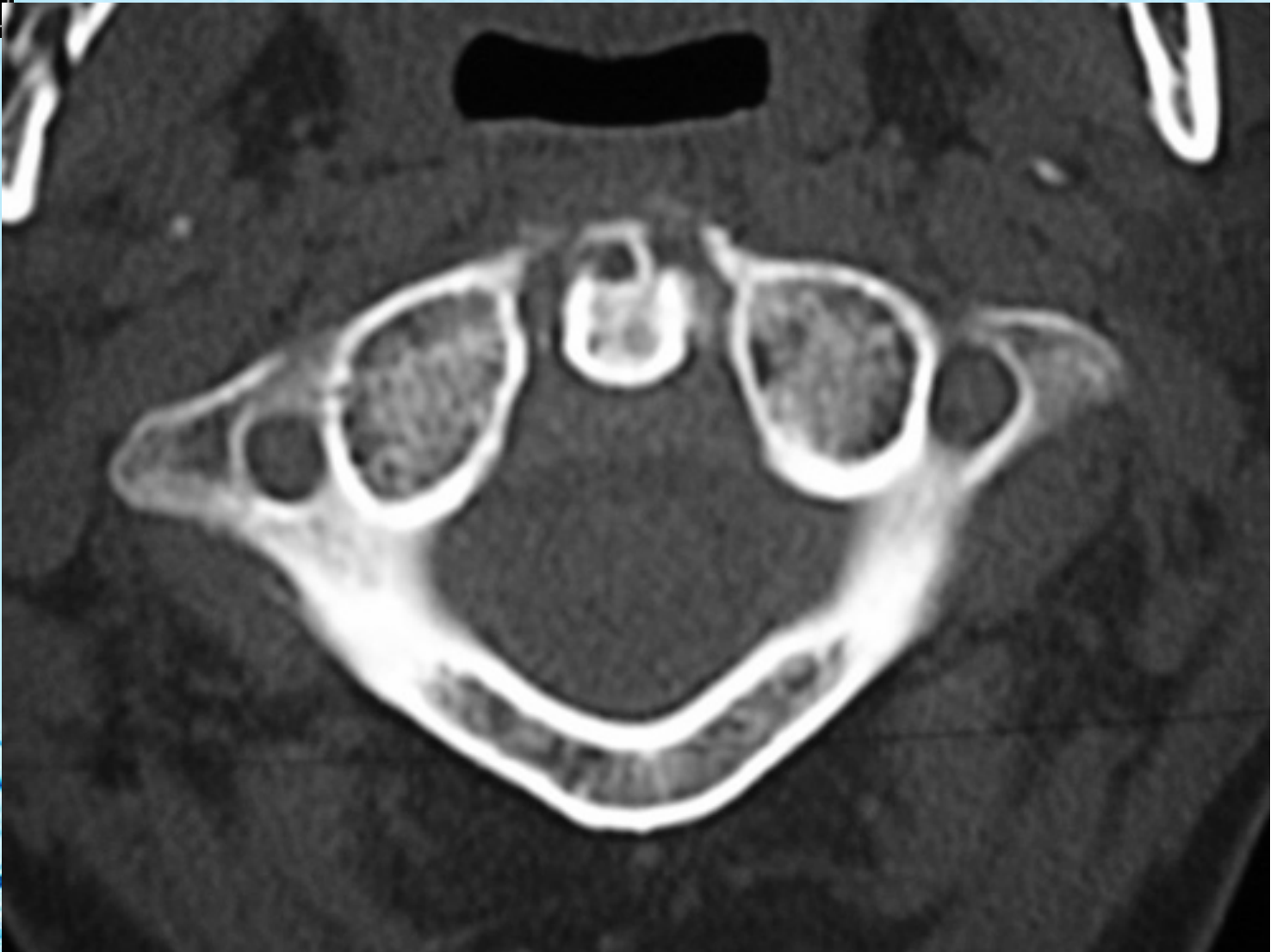
09:41:59.474





comes viable, perhaps the terms "scene" or "close-up" will be used. The terms "link," "hotlink," and "hypertext" are digital content, evoking non-linear experiences, as does the term "Web" itself. It is exciting to know that there are cadres of individuals, young and old, who are earning a living designing and shaping the Web of the future. Surely that Web will be quite different from today's Web.

Web designers derive their tools from print publishing applications such as Adobe PageMaker or QuarkXPress, which have begun to add HTML (Hypertext Markup Language) tags for Web publishing, or even to add multimedia sound and user interactivity. Multimedia programs such as Macromedia Director have created applications that will bring life down to Web.



# Differential Diagnosis

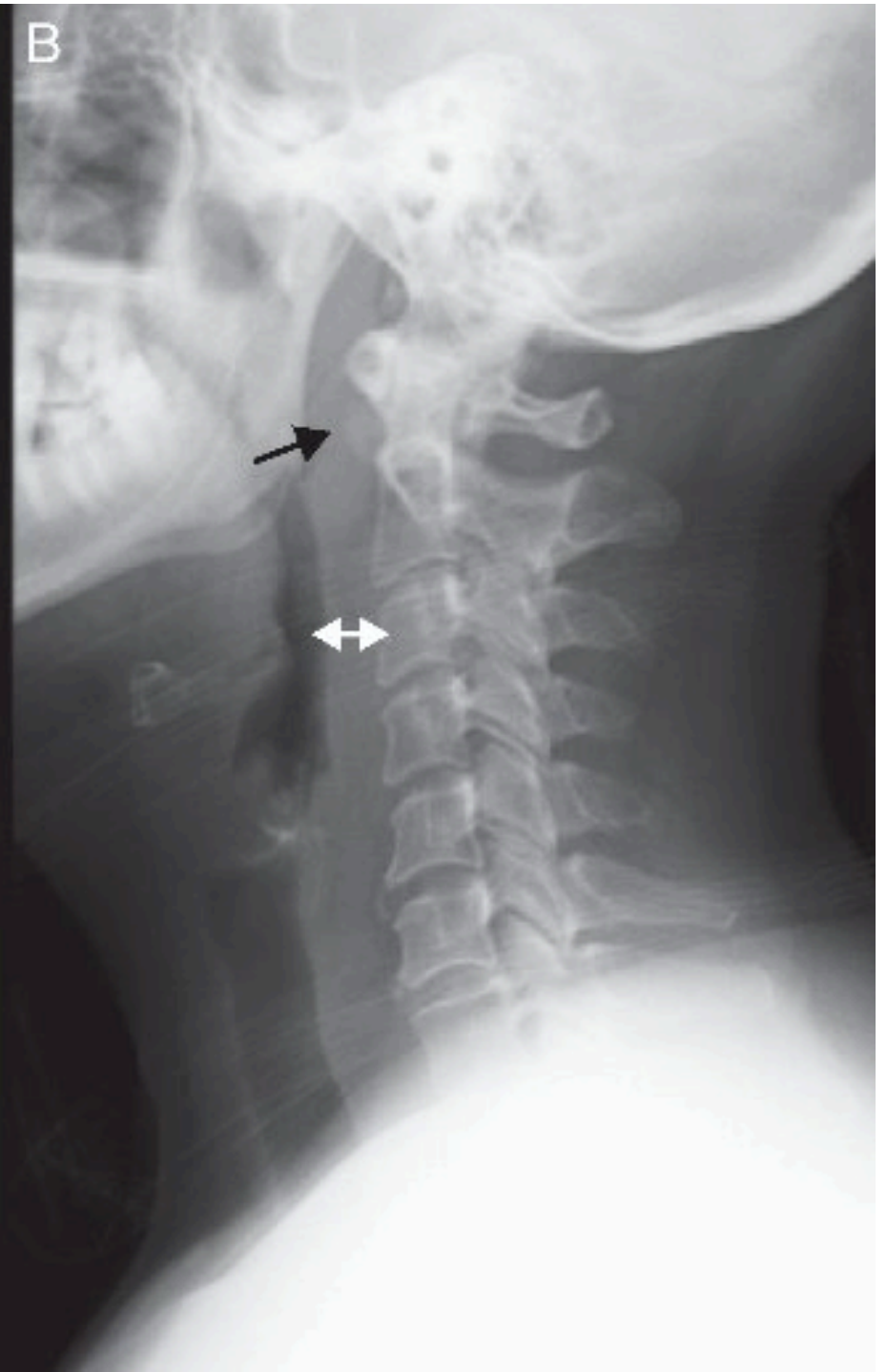
- Calcification of the longus colli
- Retropharyngeal abscess
- Unknown odontoid fracture



# Signs of inflammation

- Elevated C-reactive protein level
- Elevated sedimentation rate
- Slight fever









# Final Diagnosis

■ Crowned Dens

■ Calcium hydroxyapatite erosion  
in an acute phase

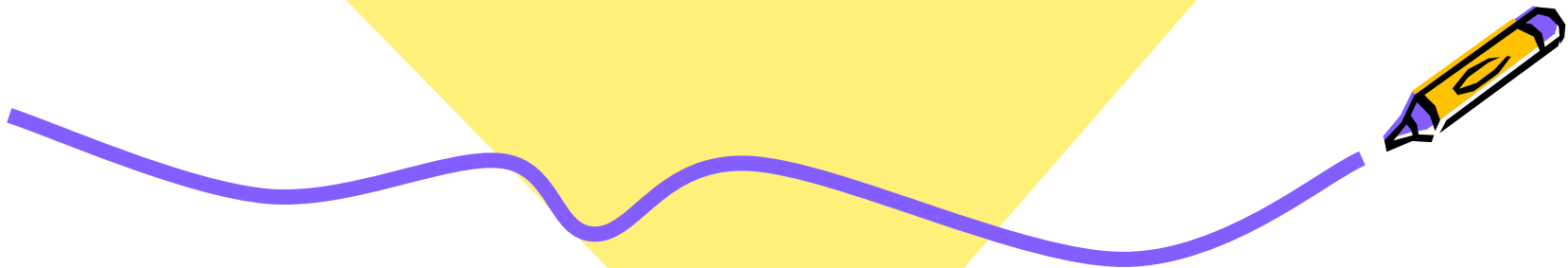
# Treatment

■ NSAID

■ Prednisone is an alternative

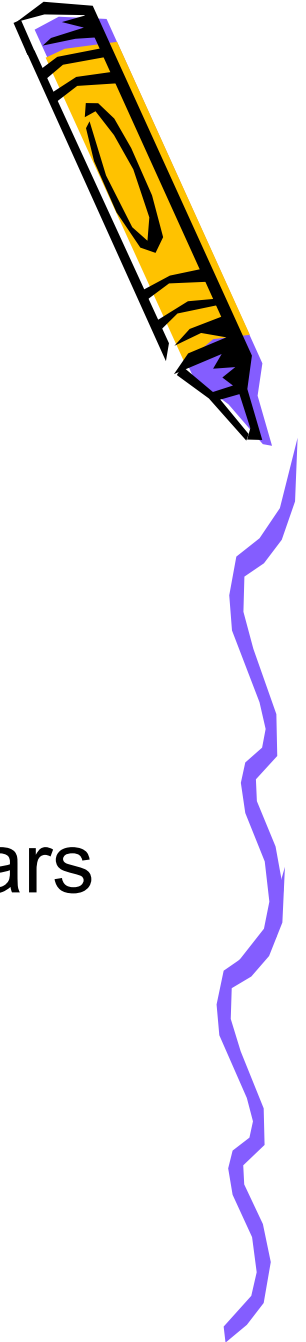


A case of chronic neck  
pain



# Anamnesis

- 51 year old female patient.
- Chronic neck pain and headache.
- Important restriction of right cervical rotation with malaise.
- History of a fall down the stairs 4 years before.



# Anamnesis

- Treated for cervical spondylosis at level C5-C6:
  - Diagnostic: severe spondylarthrosis C5-C6
  - Traitement:
    - NSAI
    - Antalgic physiotherapy
    - Soft cervical collar



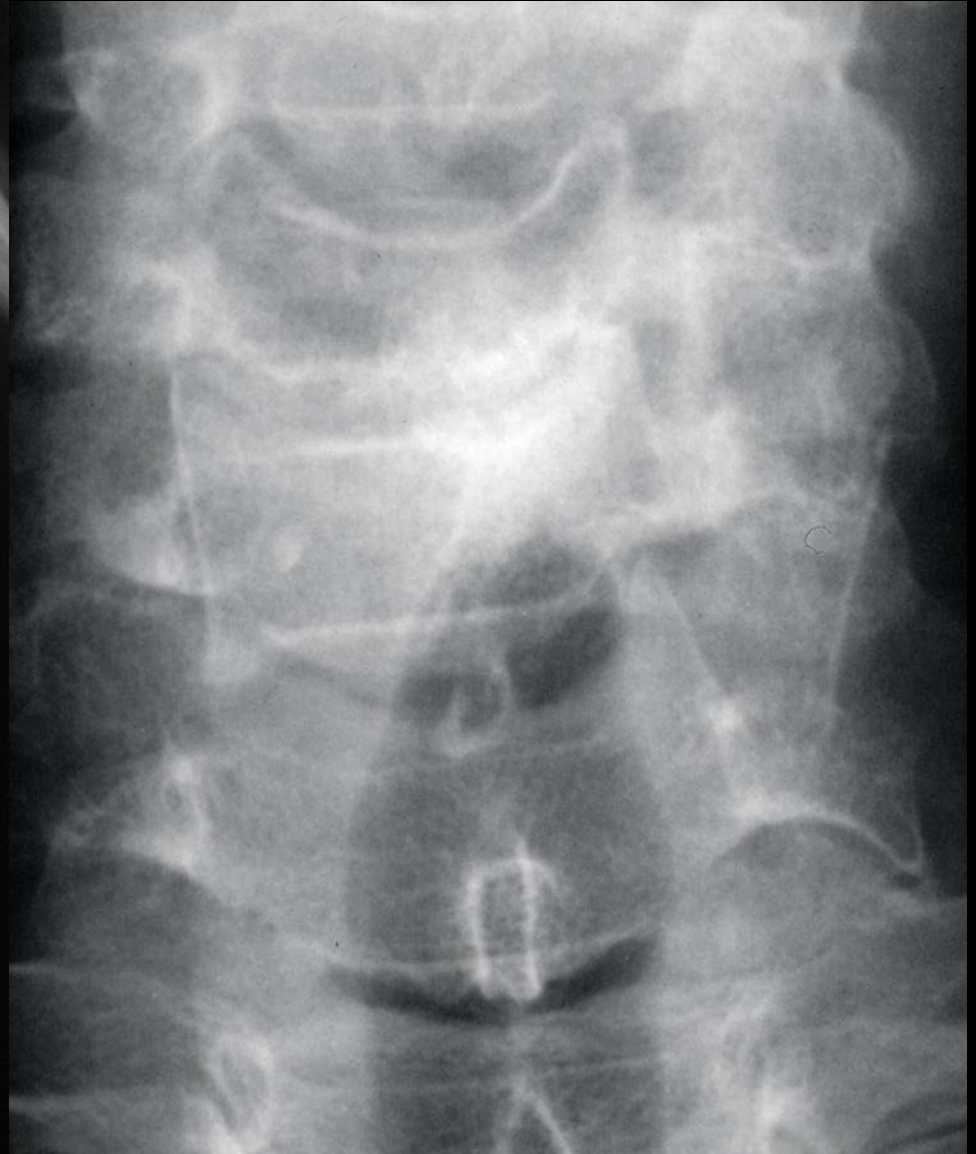
# Clinical examination

- Flexion-extension: 15-0-20
- Lateroflexions: 20-0-10 hard and painful stop.
- C1-C2 rotation : 5-0-0: hard and painful stop
- C3-C7 rotation : 30-0-30 slightly painful





# Radiology





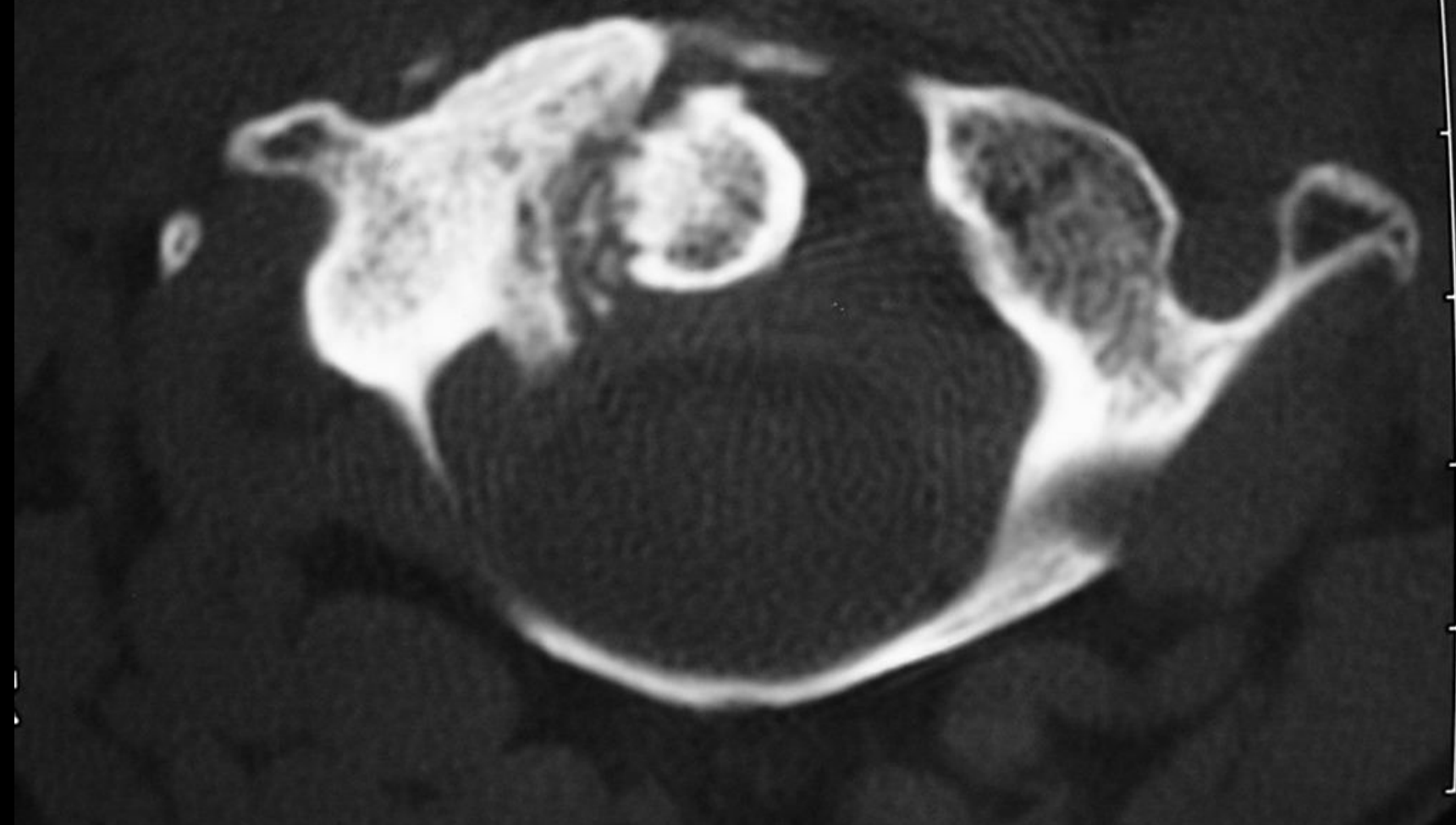


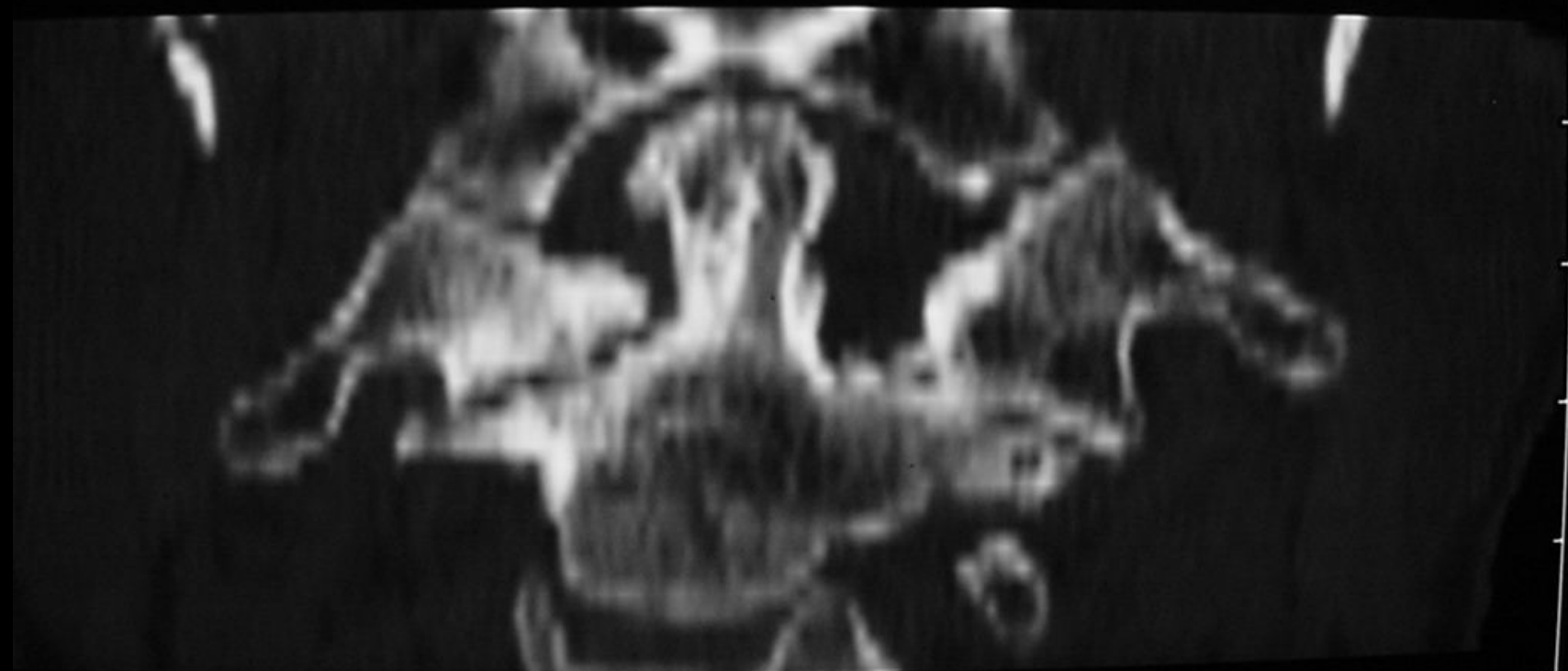
trans-buccal view



X:1000  
P:2  
VS111.5  
n:16  
FOV 12.0cm  
ONE

F 33.07.31  
NOV 23, 1994  
51  
MF: 1.

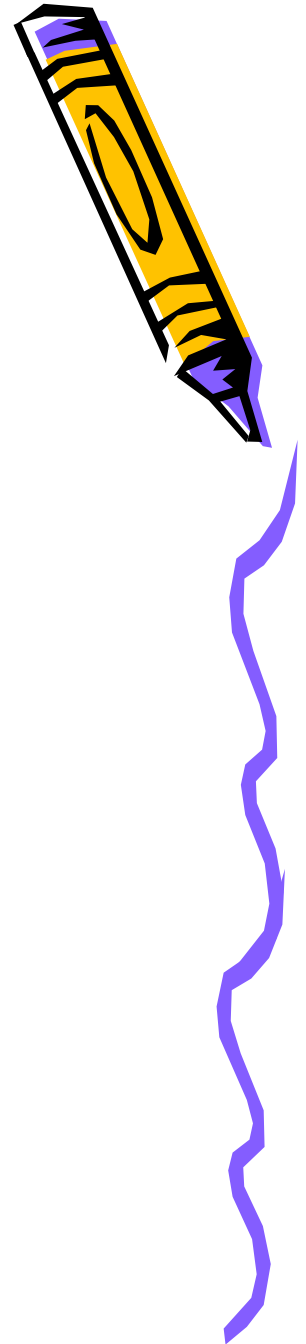




Ex: 1359  
2/11

# Final diagnostic

- Old fracture of C1 lateral mass
- Subluxation of C1 over C2
- Unilateral lesion of the alar ligament



# Treatment

## C1-C2 arthrodesis





