

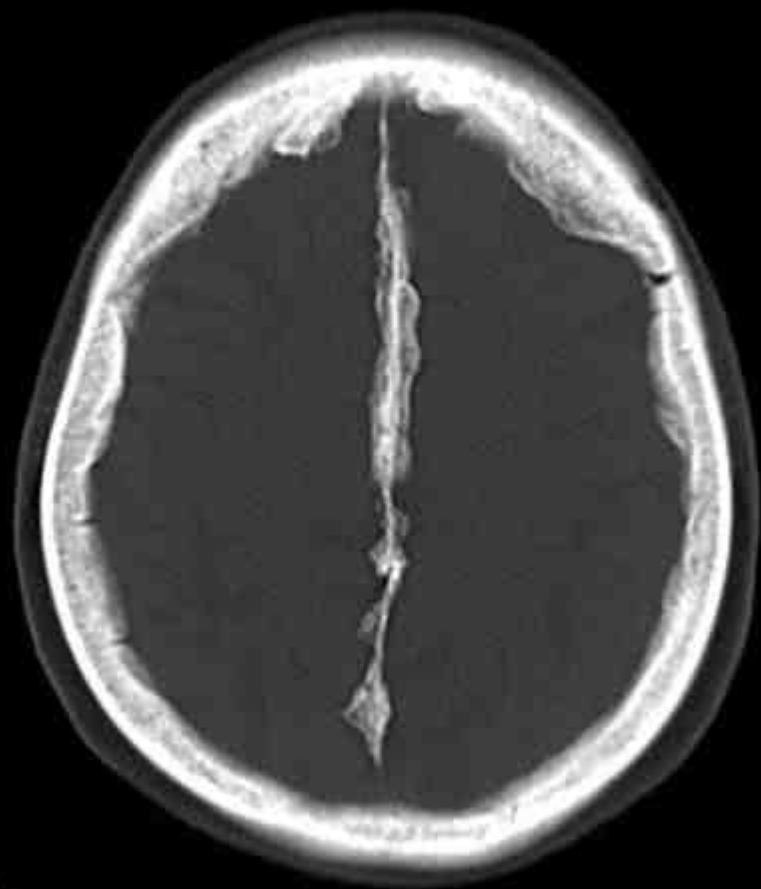
ΥΤ

- Πυκνότητες Hounsfield
- Πυκνότητα νερού 0 HU
- Υπέρπυκνο > 60
 - Αιμορραγία
 - Σκιαγραφικό
 - Αποτιπάνωση
 - Οστό
 - Μέταλλο
- Υπόπυκνο < 0
 - Υγρό = 0
 - Λίπος
 - Αέρας
- Ισόπυκνο = 20-30
 - Φλοιός

Απλές ακτινογραφίες: ανάδειξη **καταγμάτων** κρανίου, οστικές αλλοιώσεις, Τουρκικό εφίππιο. Σε υποψία ενδοεγκεφαλικής βλάβης απαιτείται έλεγχος με ΥΤ και ΜΣ.

Φυσιολογικές αποτιτανώσεις του εγκεφάλου

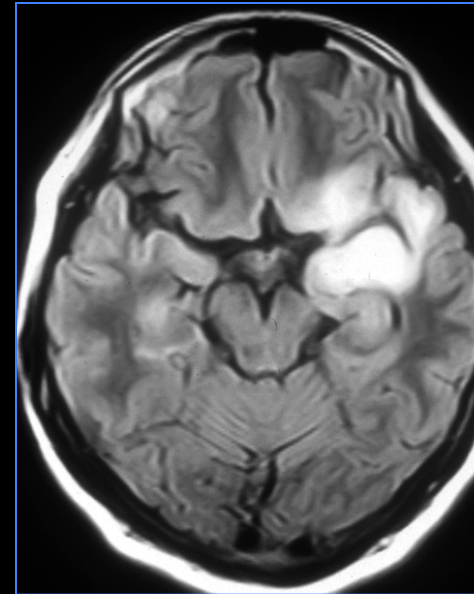
- Κωνάριο
- Χοριοειδή πλέγματα
- Τμήματα της σκληράς μήνιγγας (*δρέπανο, σκηνίδιο της παρεγκεφαλίδας, διάφραγμα της υπόφυσης*)
- Βασικά γάγγλια



ΜΤ

- Ακολουθίες
 - T1
 - T2
 - FLAIR T2 με καταστολή του νερού
 - Fat Sat καταστολή λίπους

- Ένταση σήματος
 - Υψηλή
 - Χαμηλή
 - Ενδιάμεση



ΜΑΓΝΗΤΙΚΗ ΤΟΜΟΓΡΑΦΙΑ

T1 ΑΚΟΛΟΥΘΙΕΣ (μικρό TR, TE)

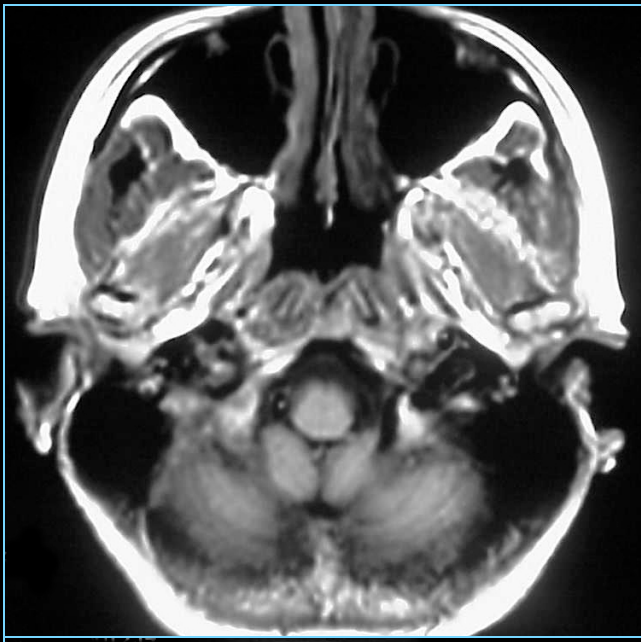
- Χαμηλή ένταση σήματος
- **Υγρό**, όπως στο ΕΝΥ, οίδημα, όγκο, φλεγμονή, ισχαιμία, αιμορραγία (υπεροξεία ή χρόνια)
- Αποτιτάνωση
- Ροή
- Υψηλή ένταση σήματος
- Λίπος
- Υποξεία αιμορραγία
- Μελανίνη
- Πρωτεϊνη
- Αργή ροή αίματος
- Παραμαγνητικές ουσίες (γαδολίνιο)
- Γραμμοειδής νέκρωση μετά εγκεφαλική ισχαιμία

T2 ΑΚΟΛΟΥΘΙΕΣ (μεγάλο TR)

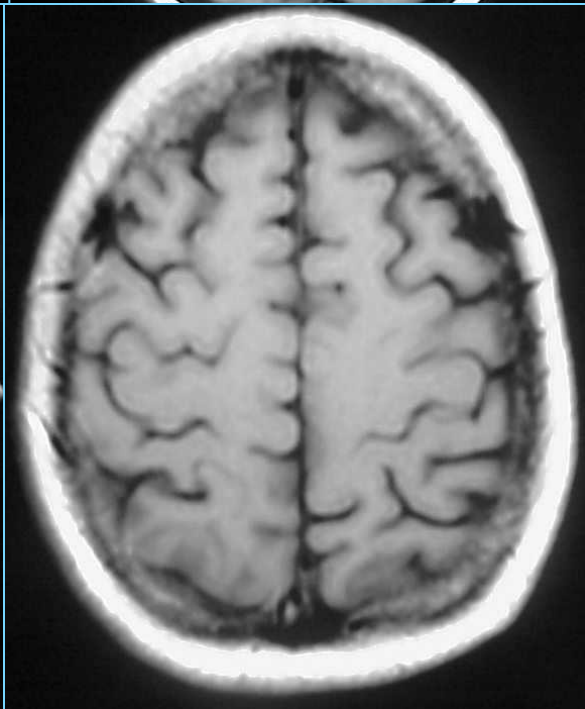
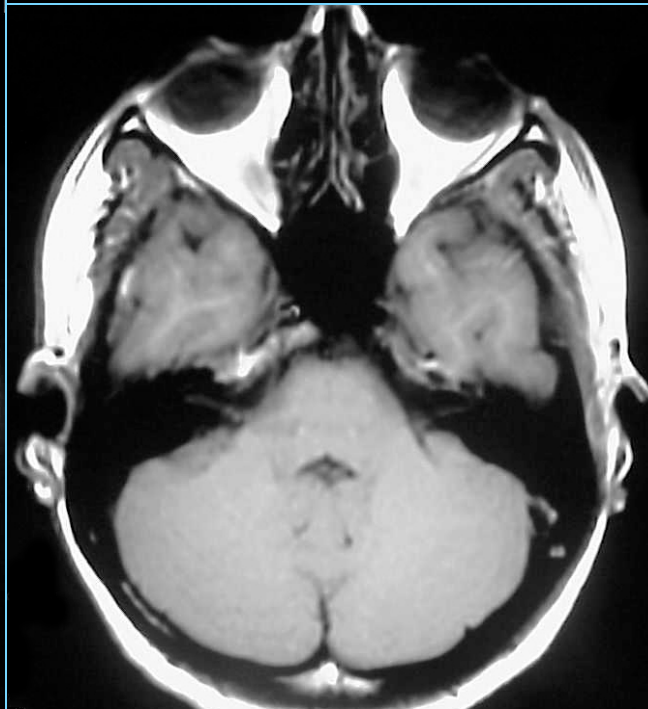
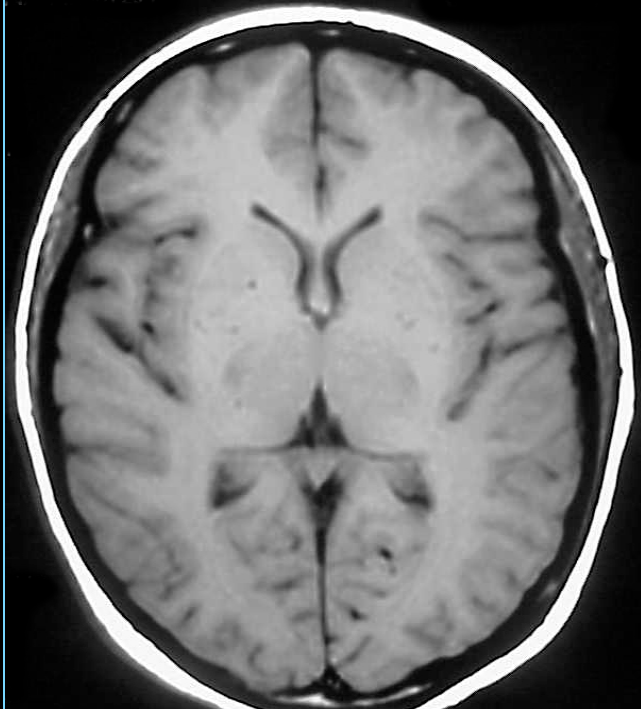
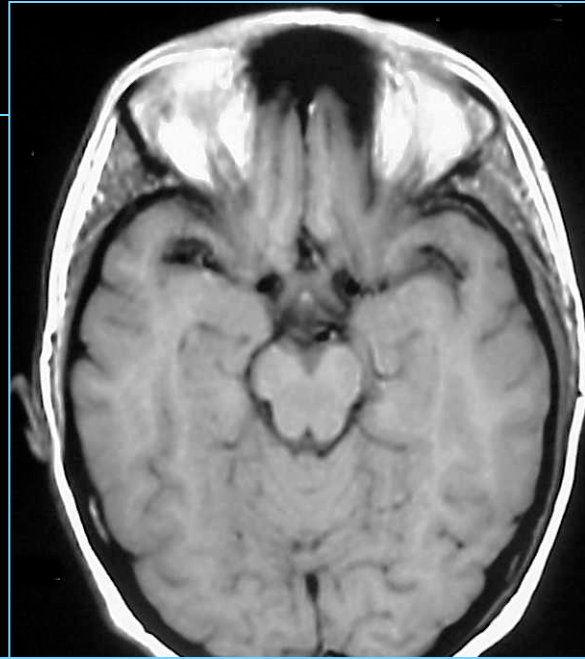
- Υψηλή ένταση σήματος
- **Υγρό**, όπως στο ΕΝΥ, οίδημα, όγκο, φλεγμονή, ισχαιμία, αιμορραγία (υπεροξεία ή χρόνια), υποσκληρίδιο αιμάτωμα.
- Μεθαιμοσφαιρίνη (extracellular) σε υποξεία αιμορραγία.
- Χαμηλή ένταση σήματος
- Αποτιτάνωση, ινώδης ιστός.
- Παραμαγνητικές ουσίες Δεοξυαιμοσφαιρίνη, μεθαιμοσφαιρίνη (intracellular), σίδηρος, φερριτίνη, μελανίνη.
- Πρωτεΐνη
- Ροή
- Λίπος

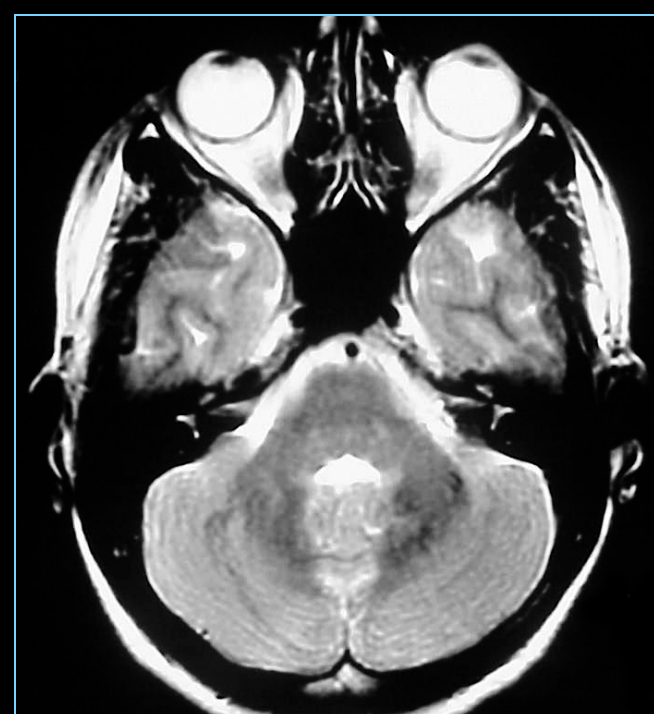
FLAIR, TIRM ...

Καταστολή υγρού (ΕΝΥ)

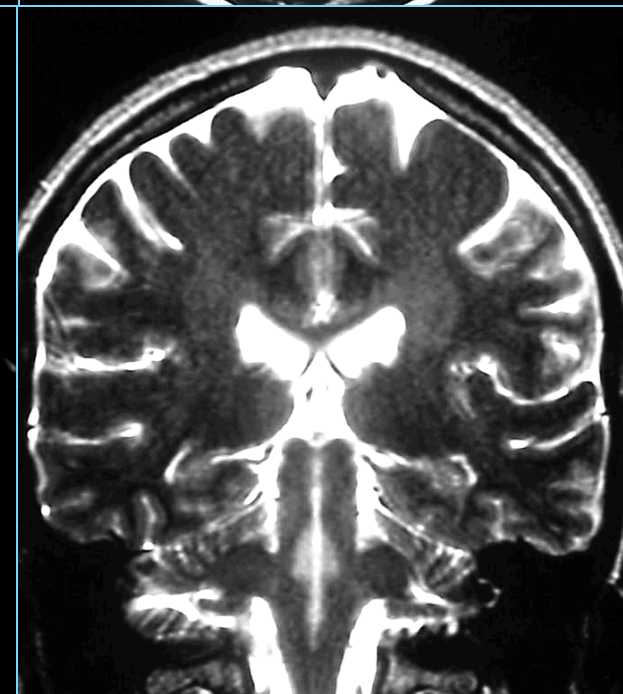
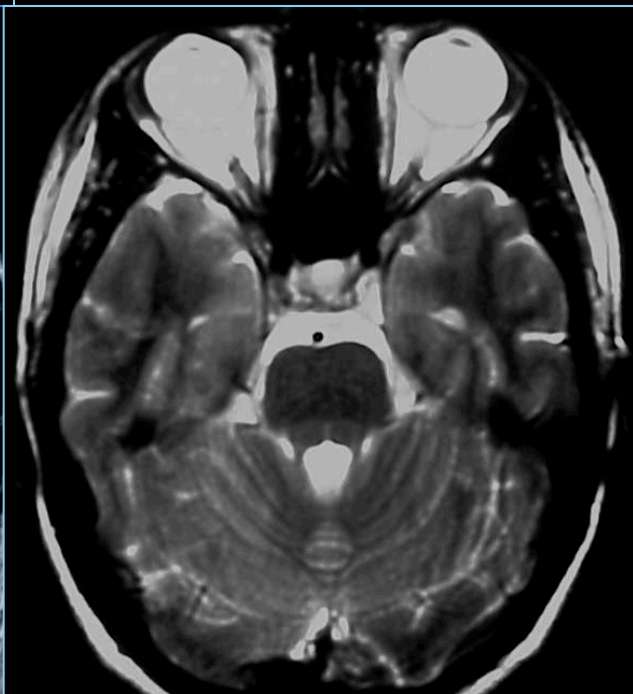
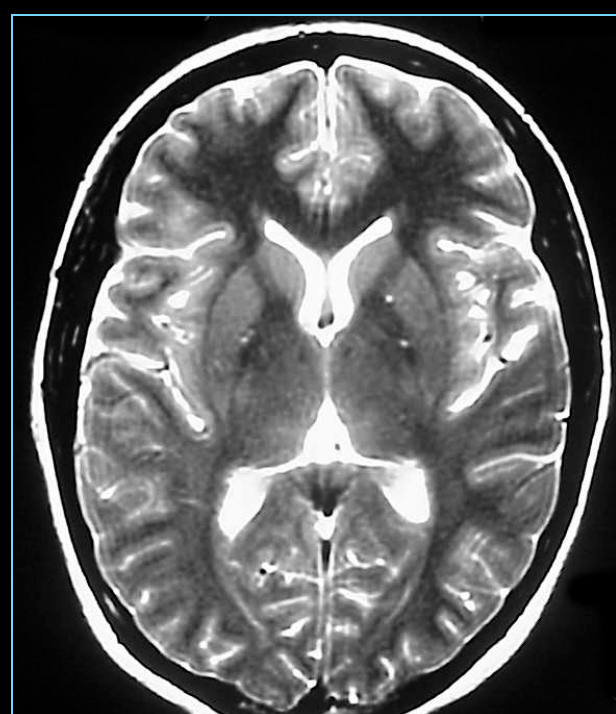


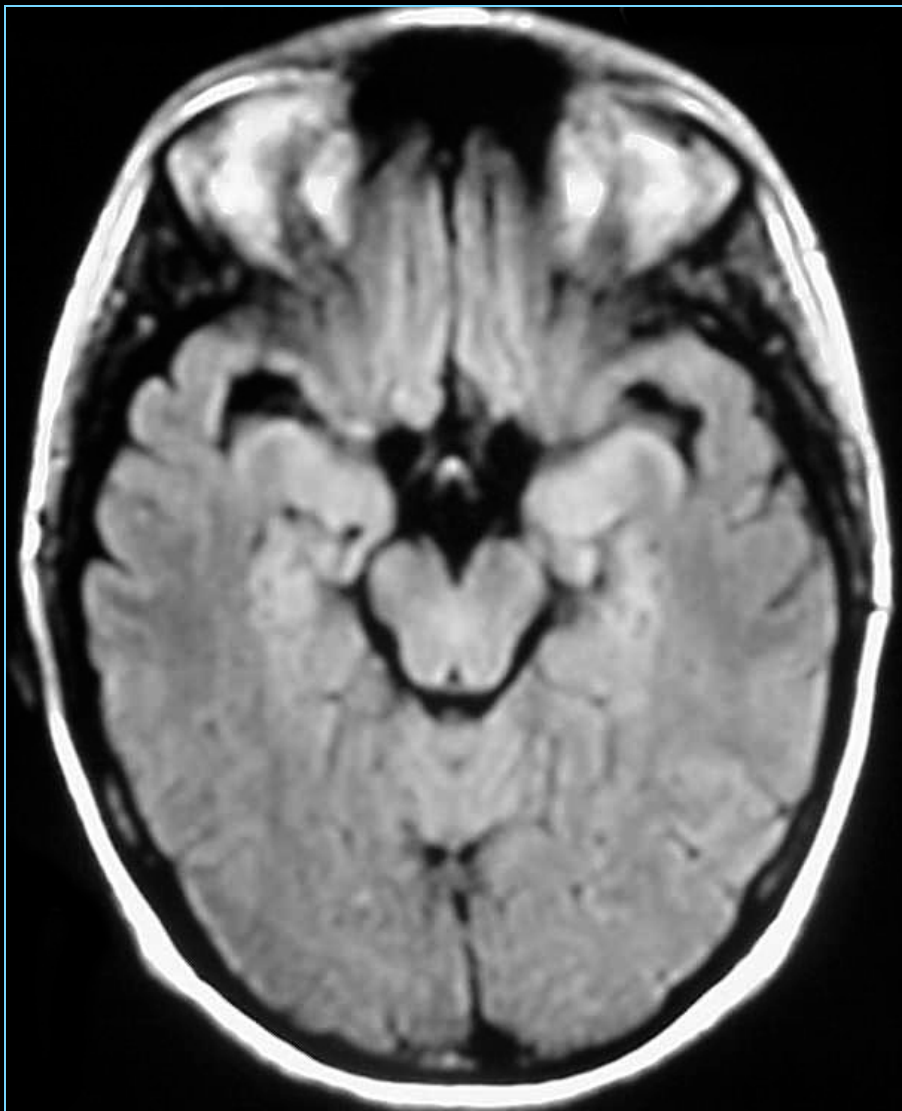
T 1



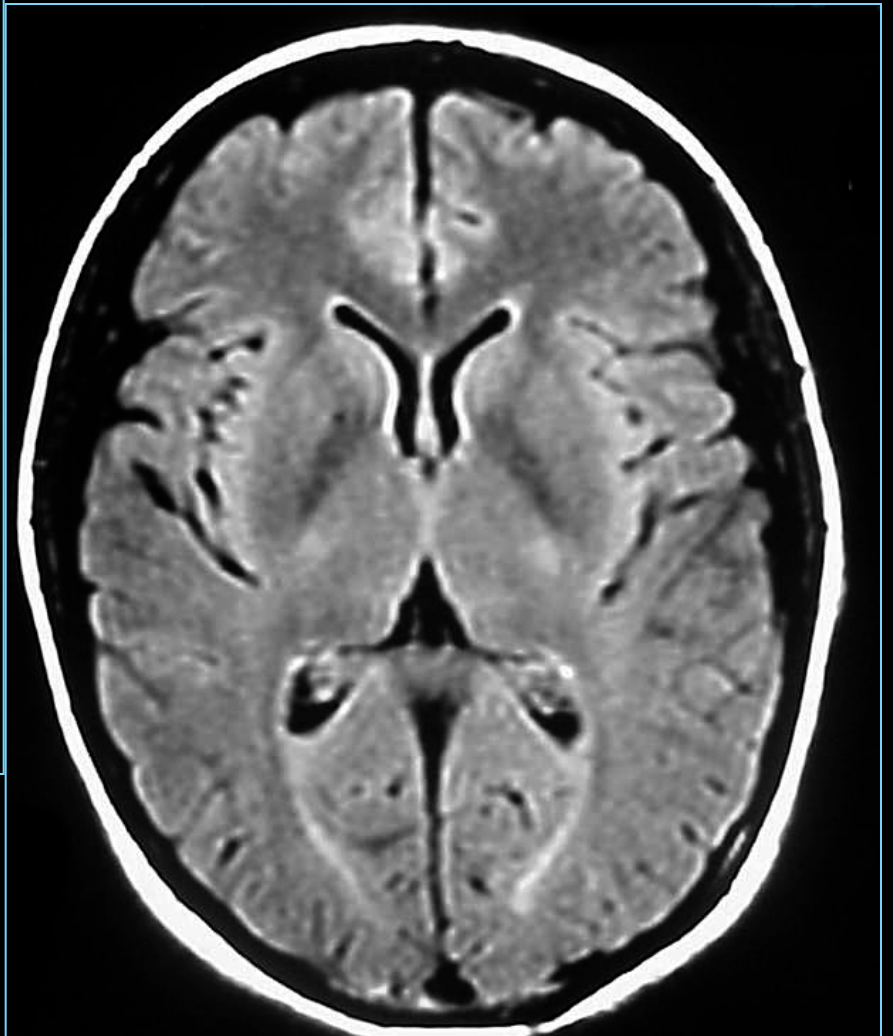


T2

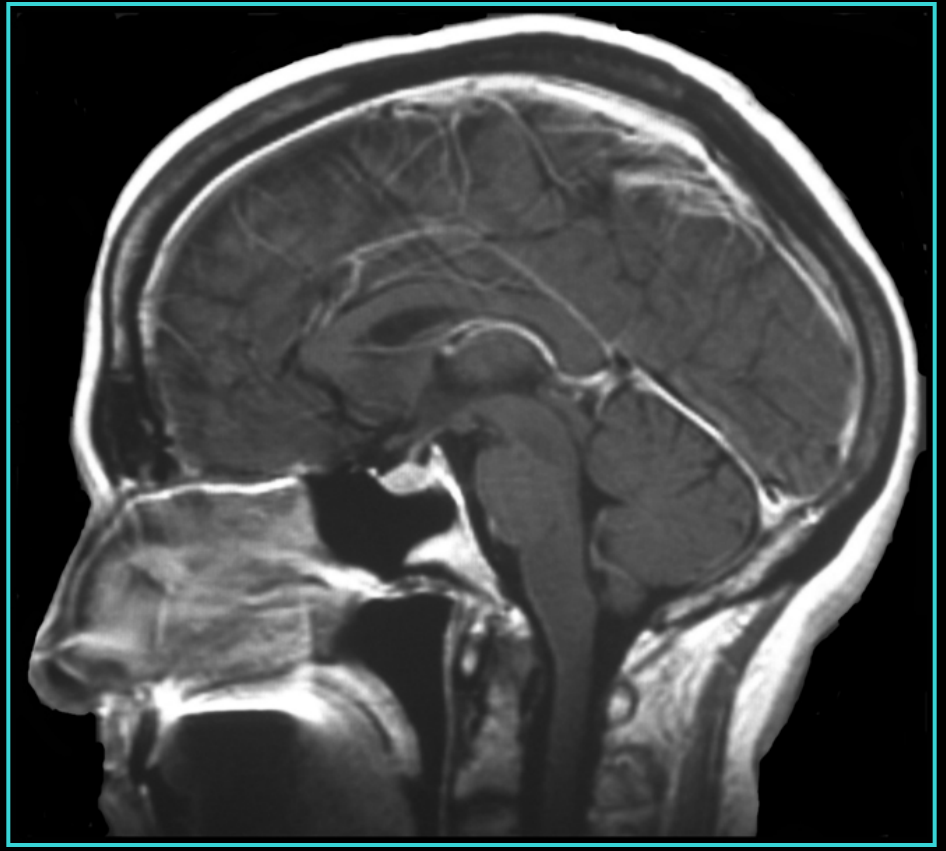
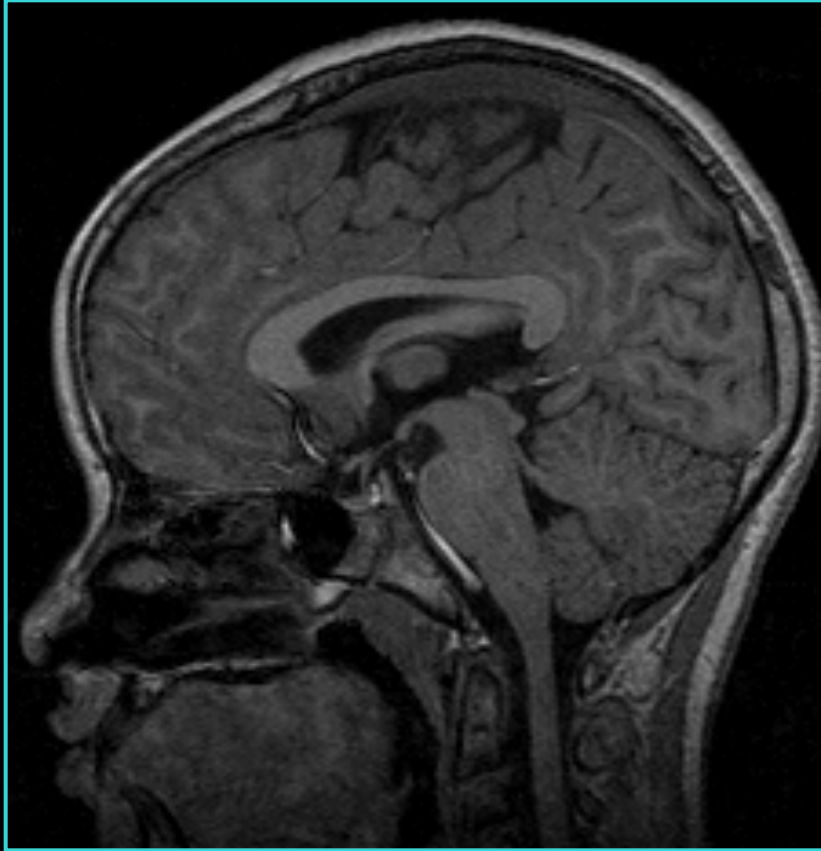




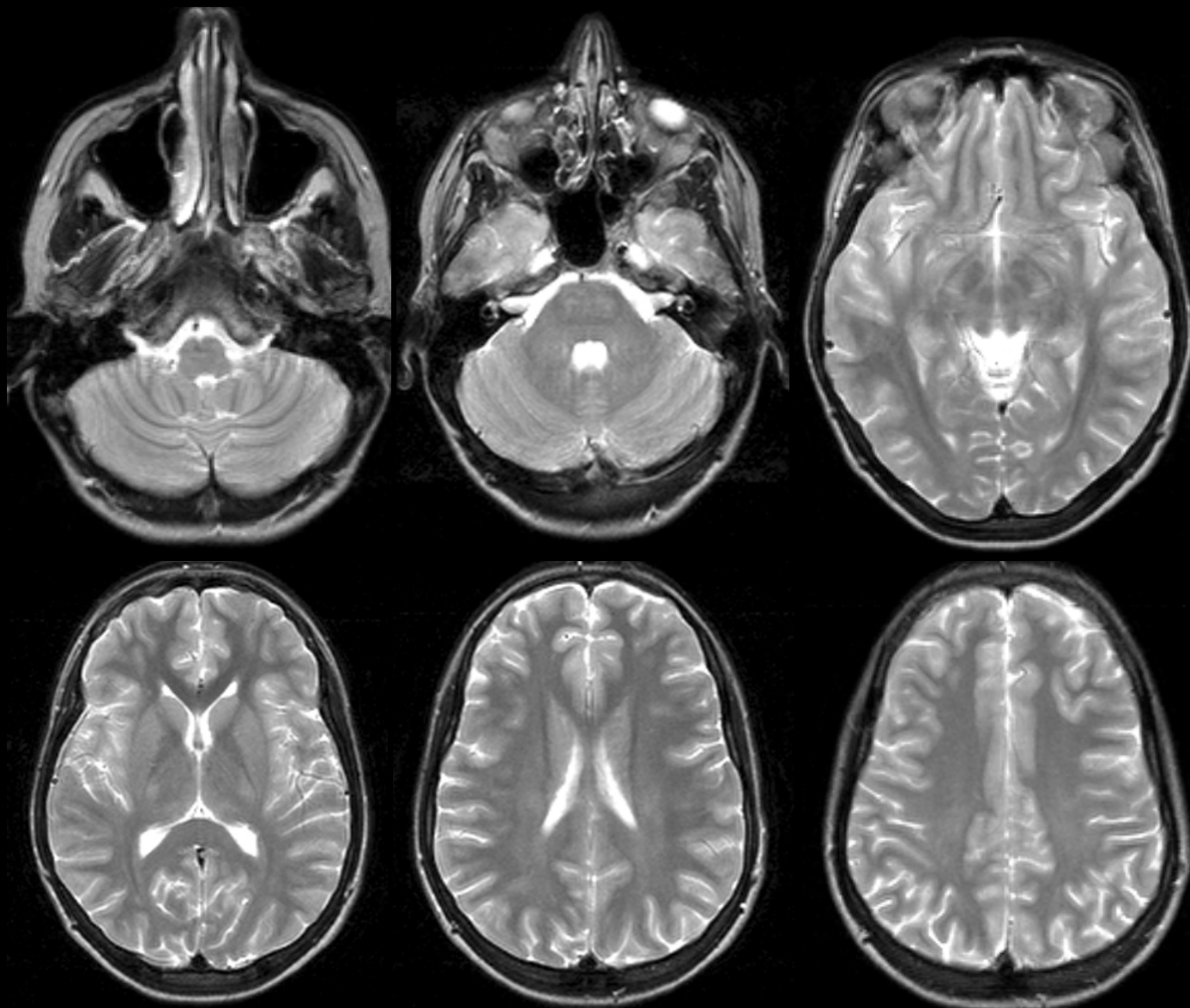
FLAIR



T1



Axial T2



F 46Y
22:47
22-JUL-2000
IMAGE 217
SER 1-12

ALCO-CR VB33E
+ : F A L

NF 1.87

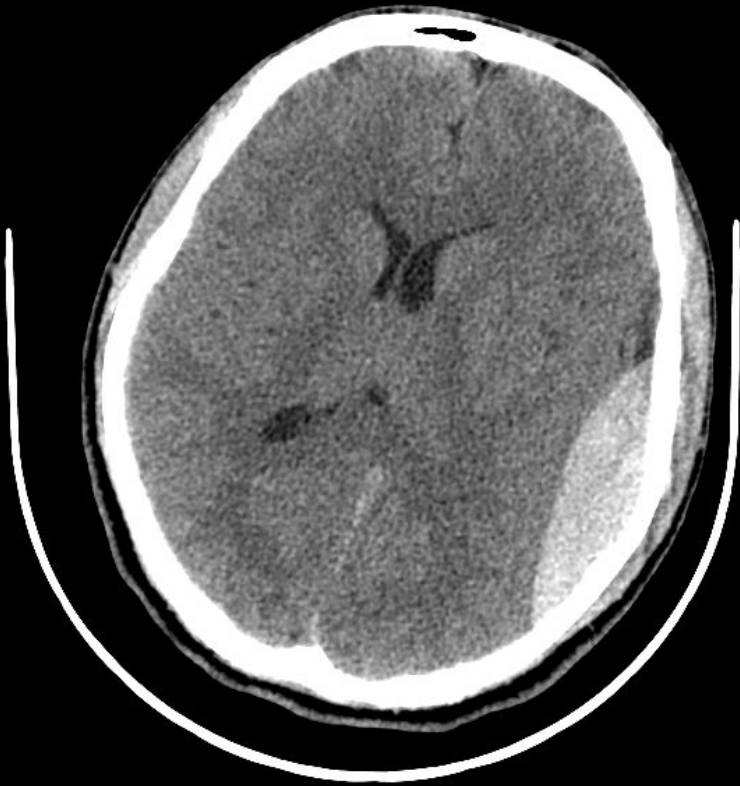


turn 20
CR
1 SAT HT
TR 27.0
TE 6.5/1
TA 55:19
AC 1

SP 27.1
SL 70.9
FoV 165*220
192 *512os
Tran Con -23

R 132

R



Oblique
Ex: 46128
Se: 2
P: 20,3 (coi)

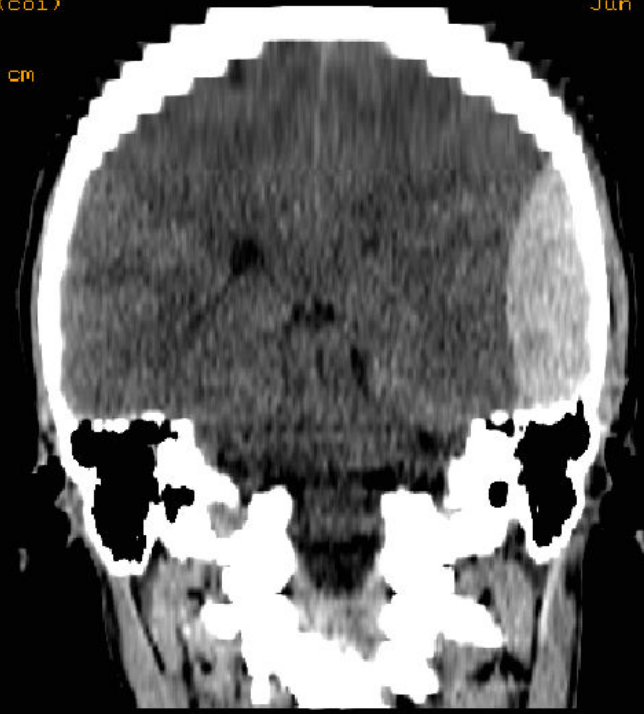
Medical Col

ia
T
13

Jun 30 2005

DFOV 25,0 cm
STANDARD
2/0

R
A

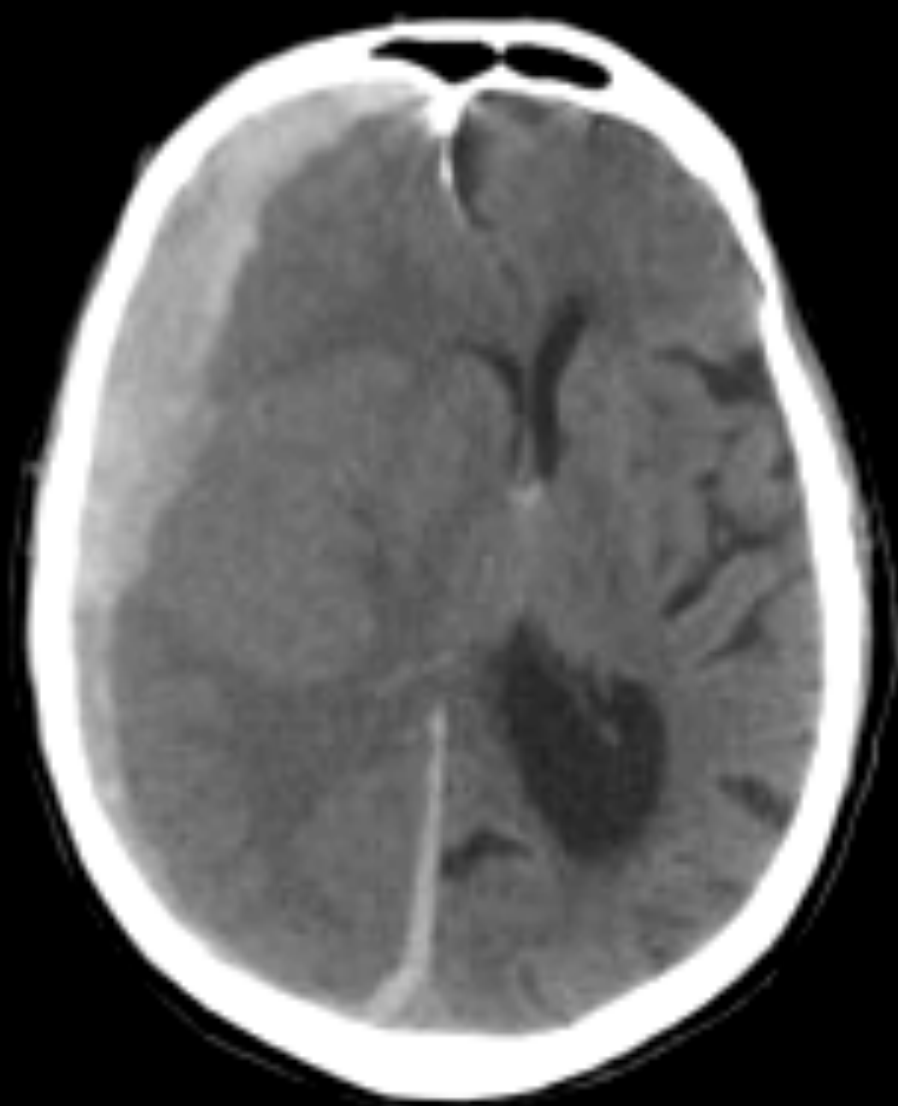


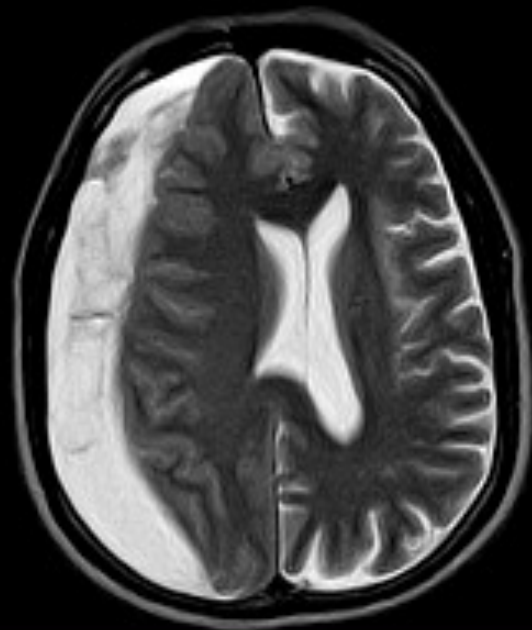
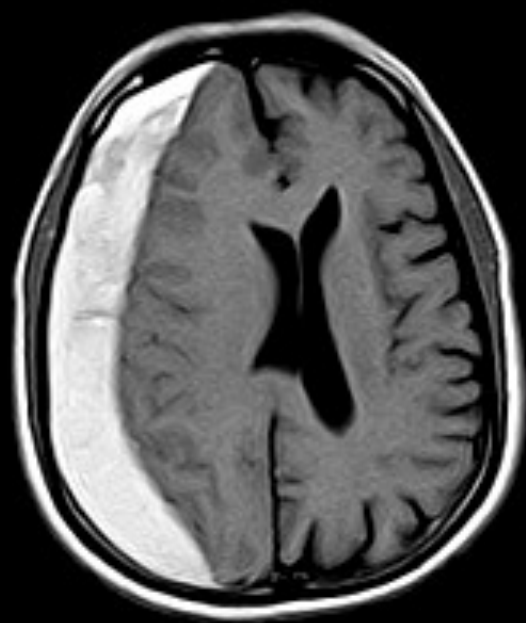
L
P

0.5/
kv 120
mA 300
0.8
5.0var. mm/5.0var.sp
Tilt: 0.0
12:47:05 AM
W = 89 L = 45

I

20











ΥΠΟΣΚΛΗΡΙΔΙΟ



ΕΠΙΣΚΛΗΡΙΔΙΟ

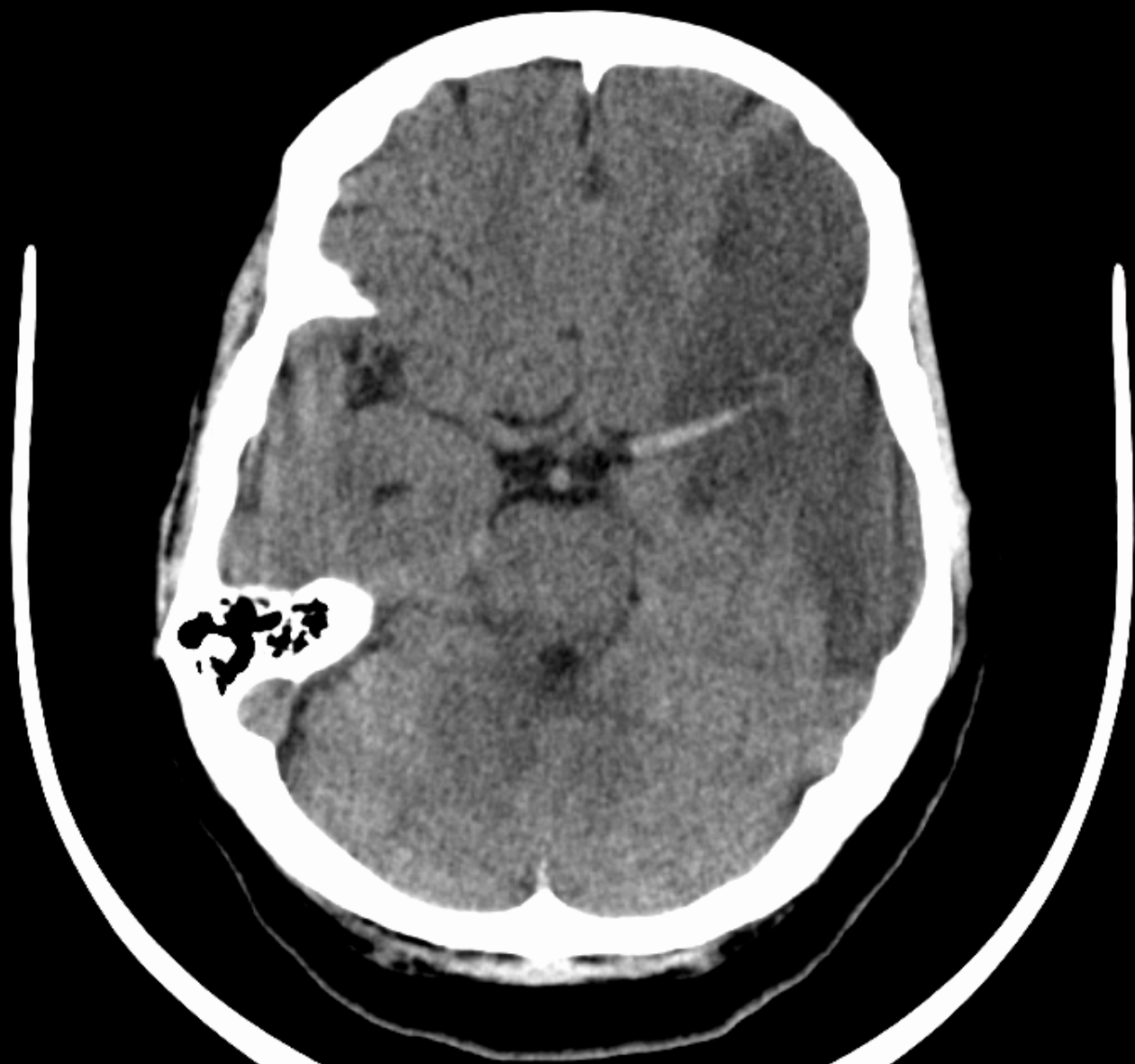
ID: 63185
CONT: N

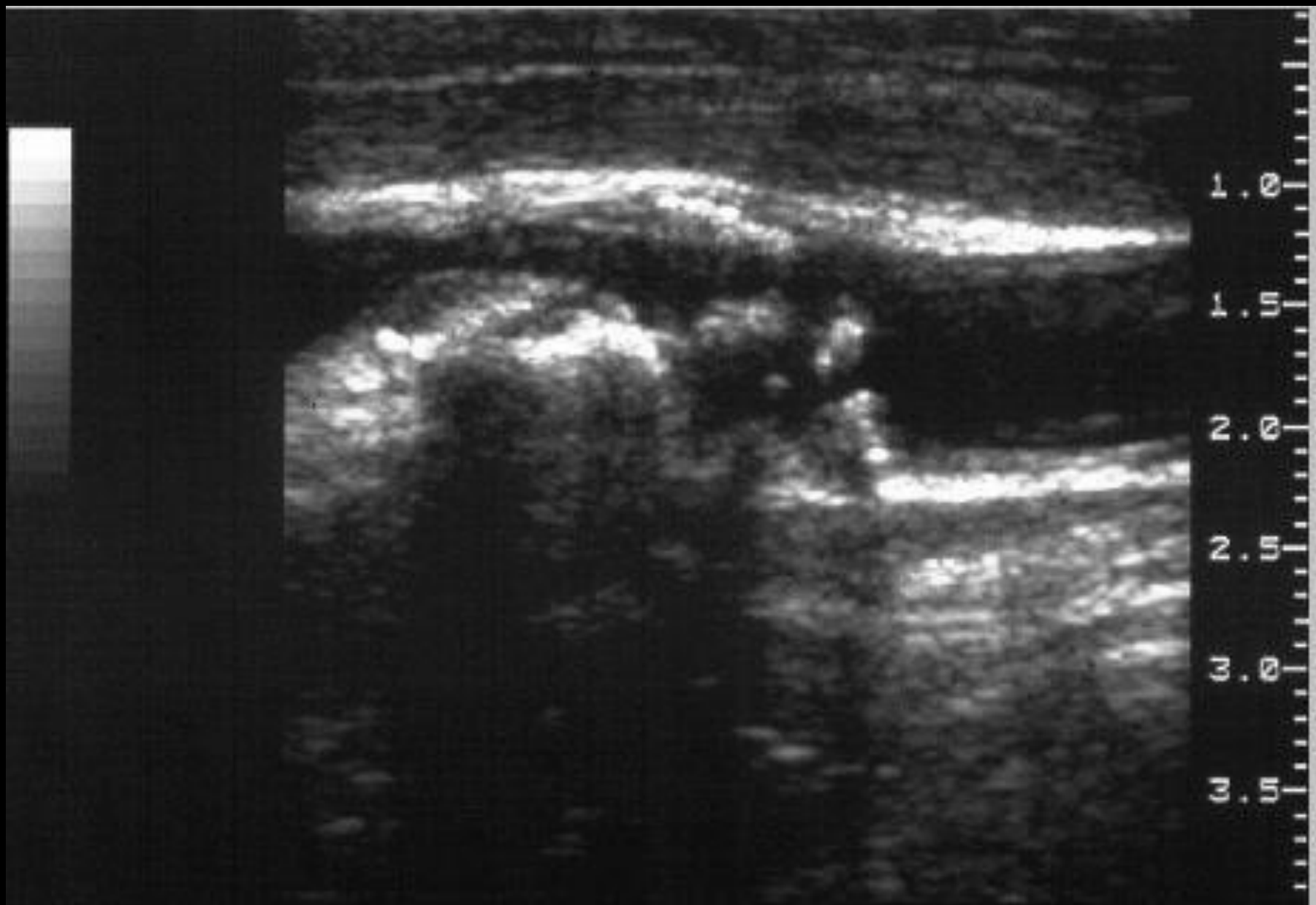
Zoom: 1.60 X

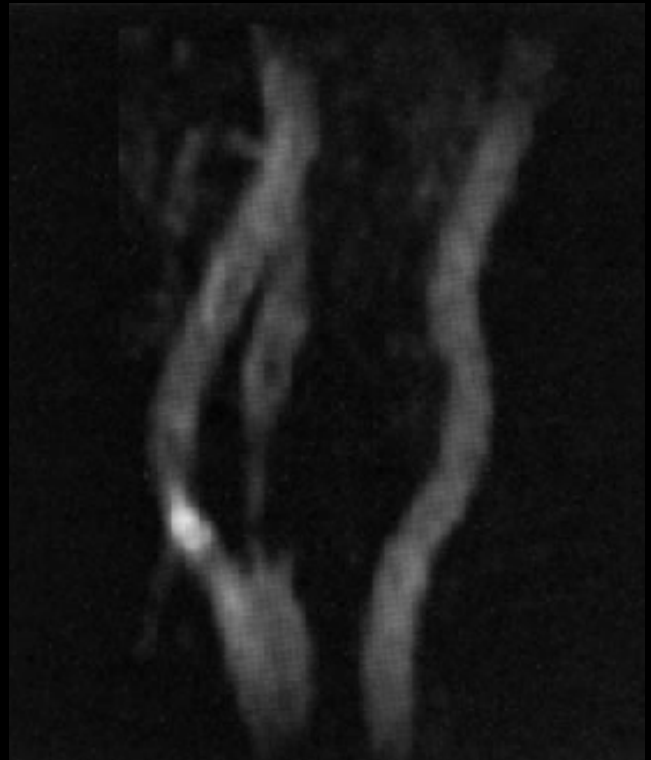
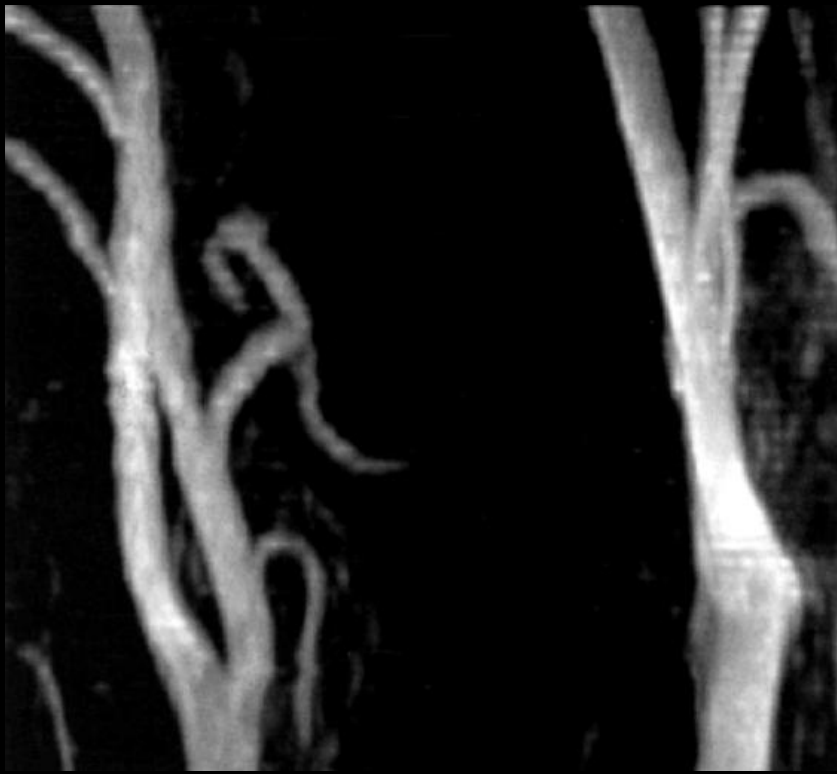
R
G
T

L
F
T

13 cm

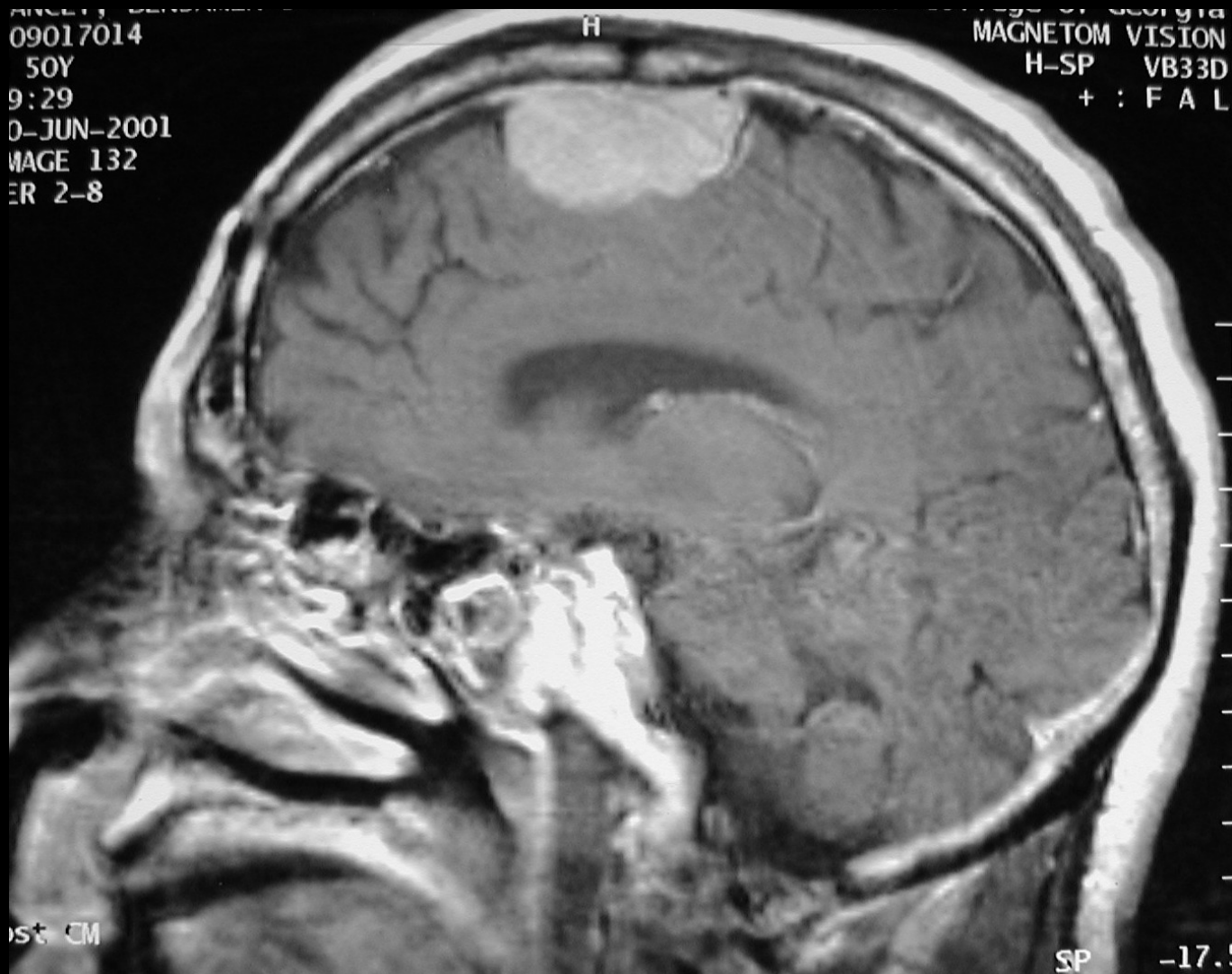






09017014
50Y
9:29
0-JUN-2001
MAGE 132
ER 2-8

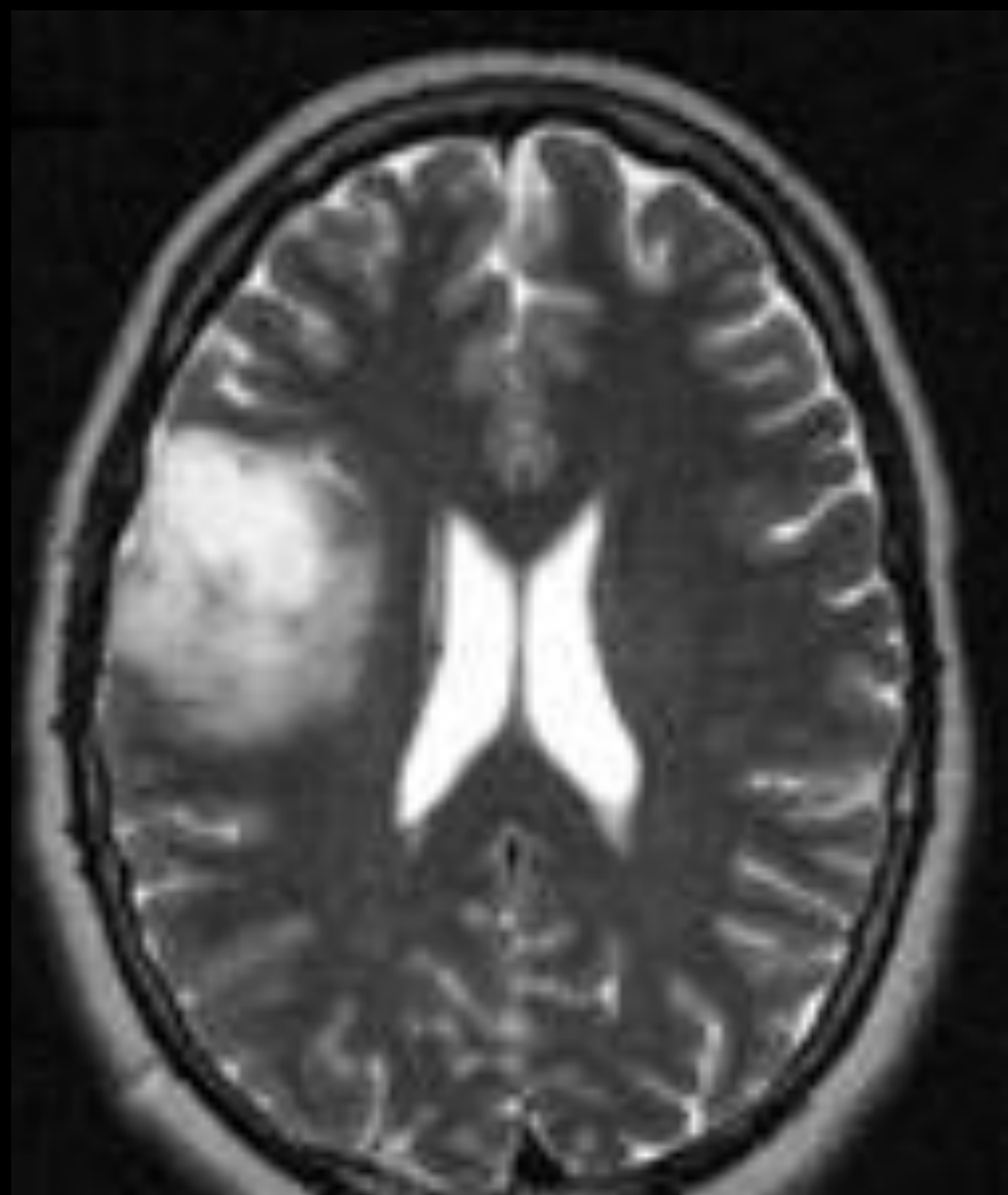
MAGNETOM VISION
H-SP VB33D
+ : F A L



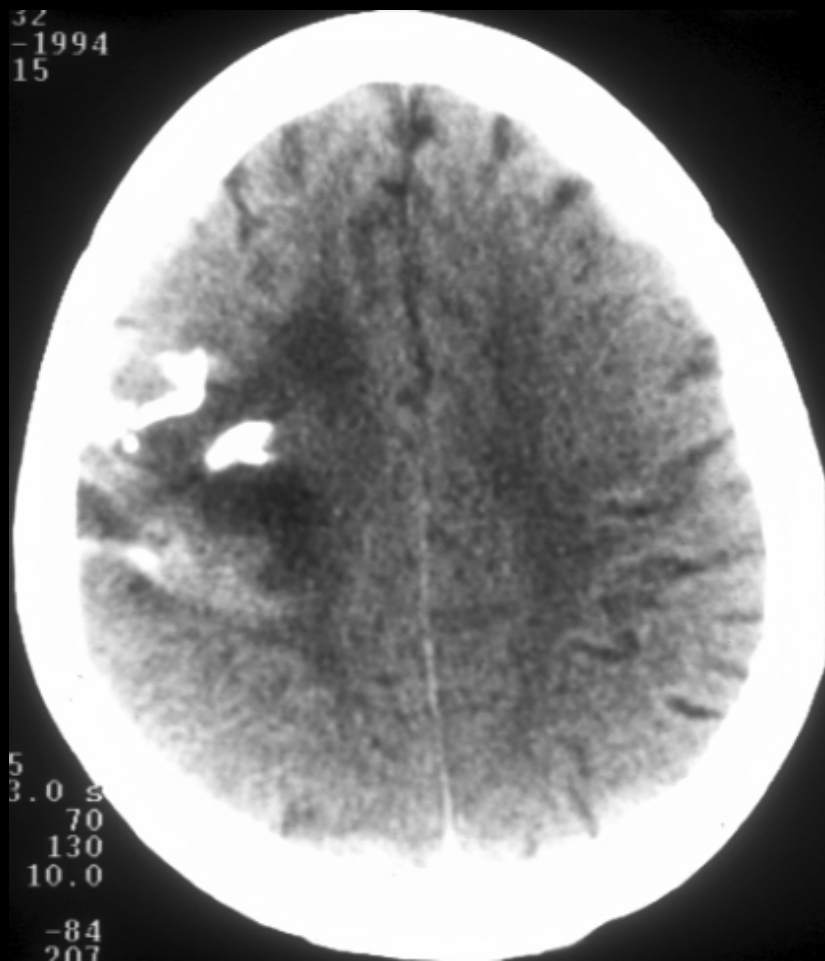
ist CM

SP -17.5

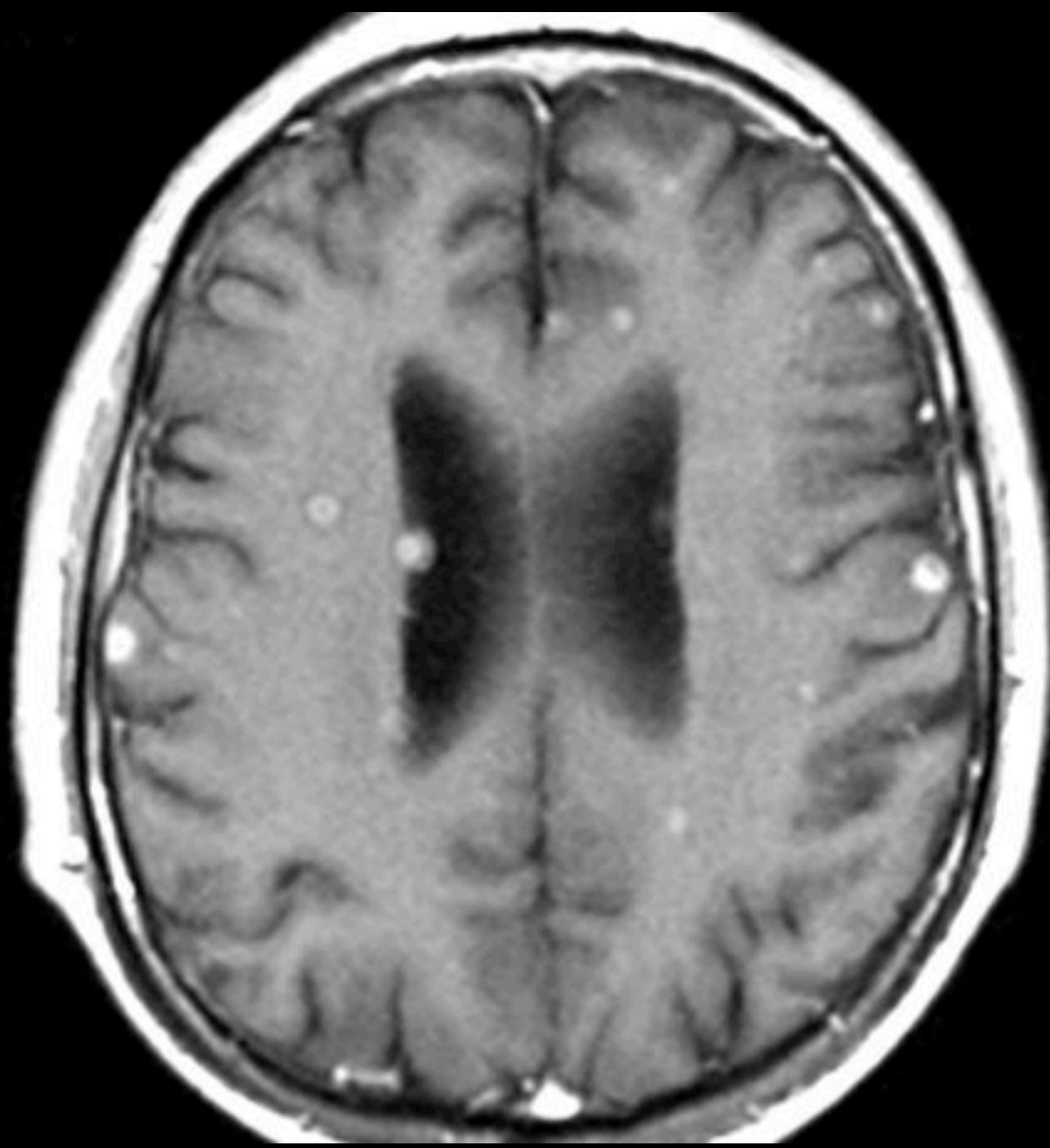


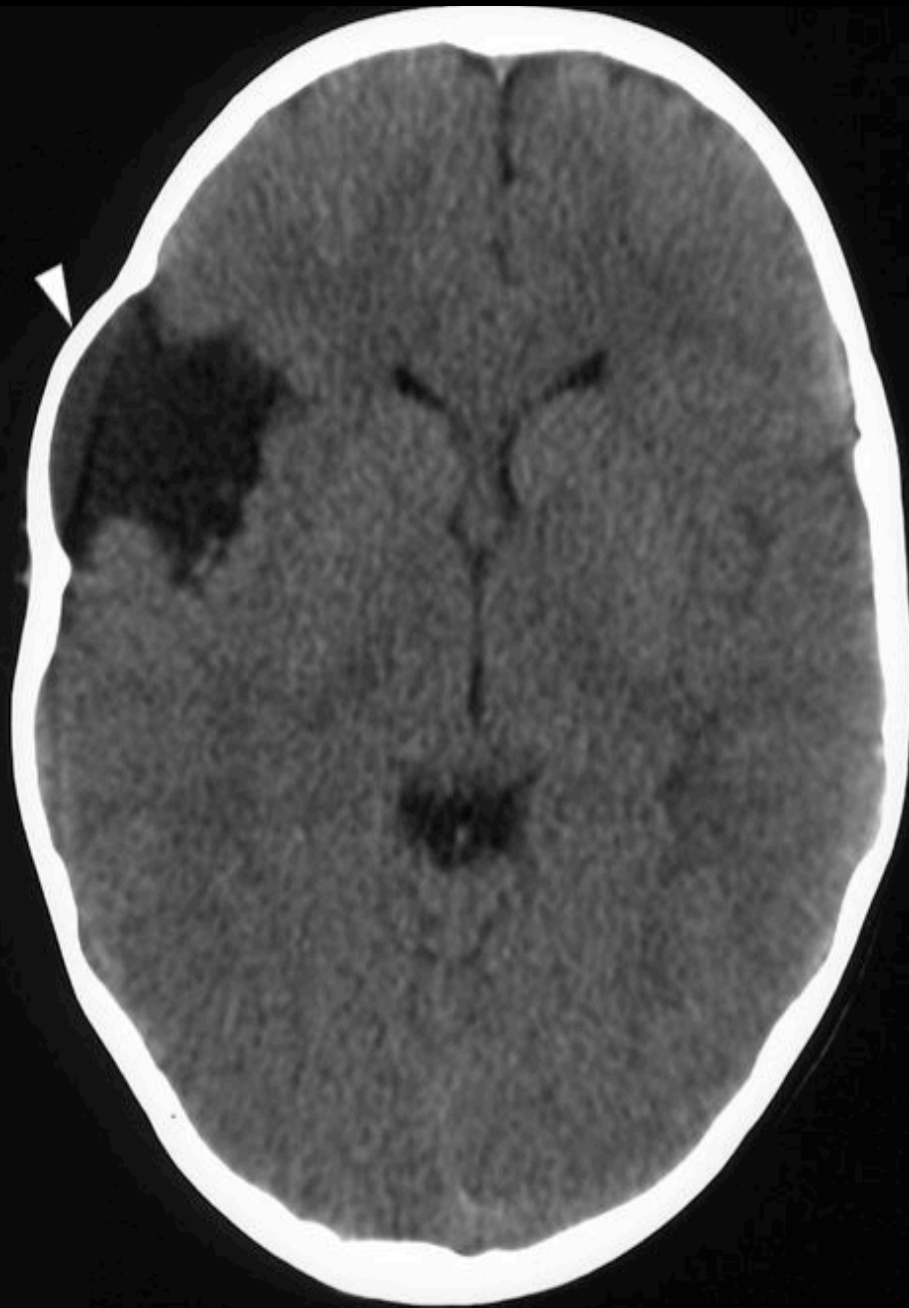


32
-1994
15



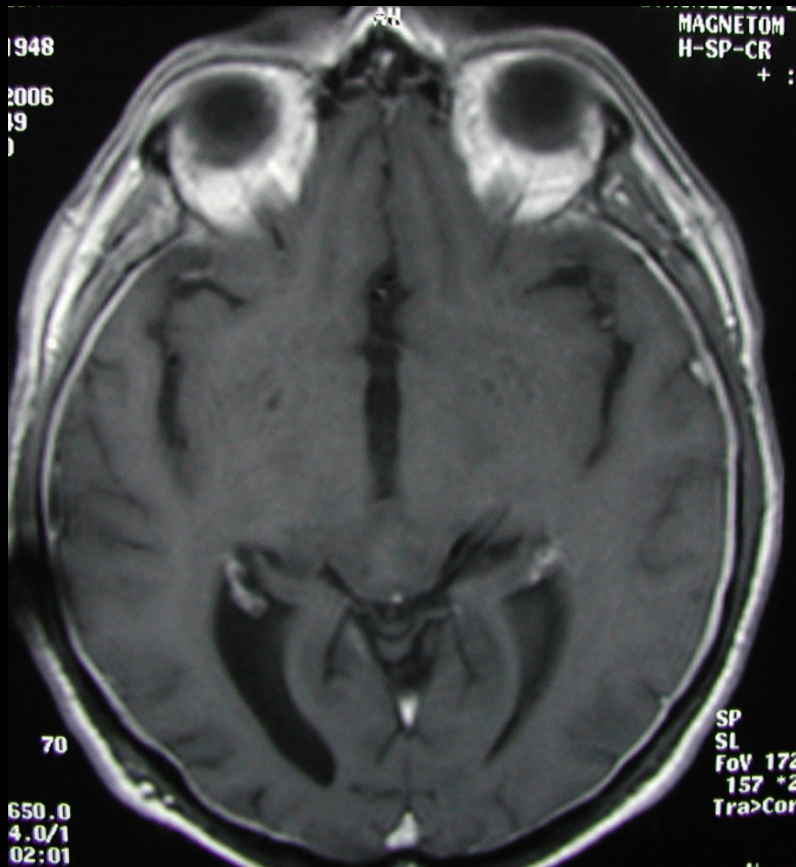
5
3.0 3
70
130
10.0
-84
207



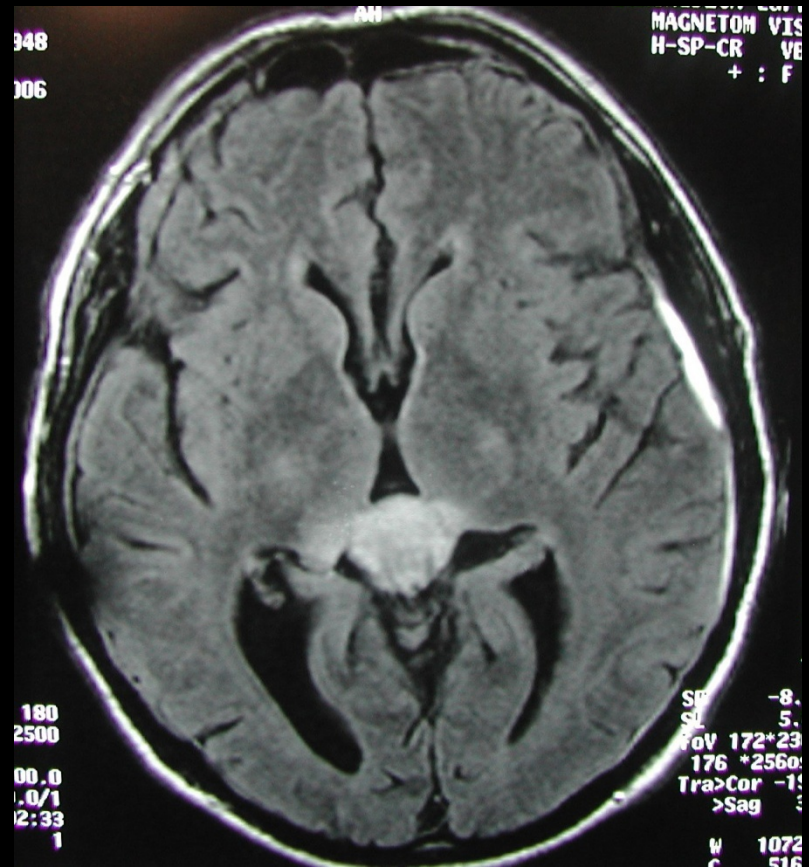




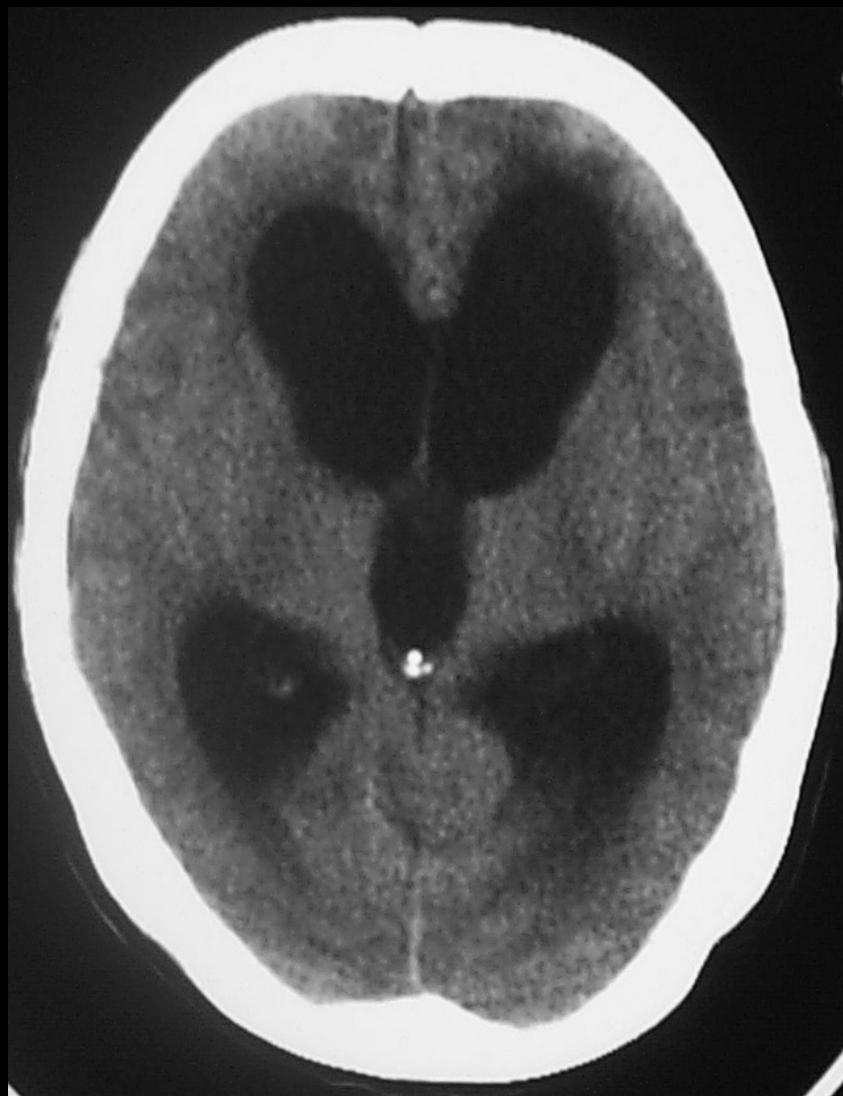




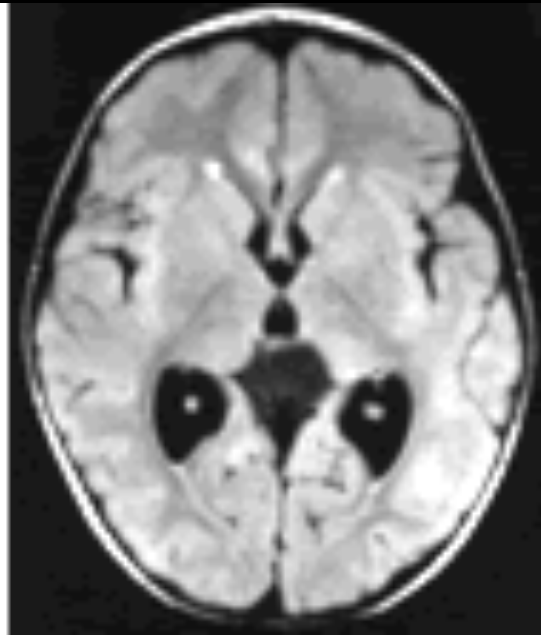
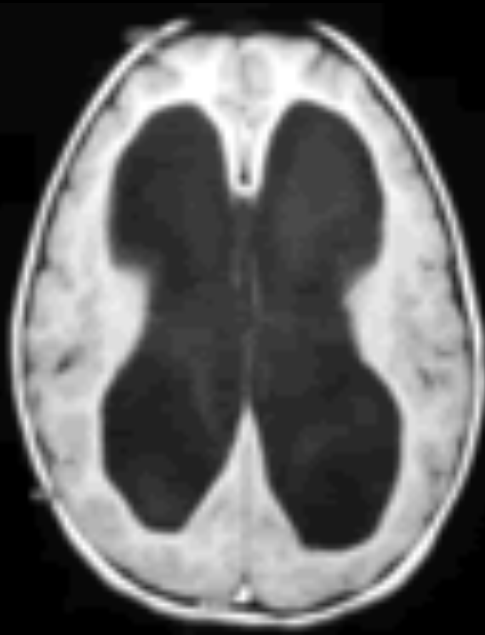
T1



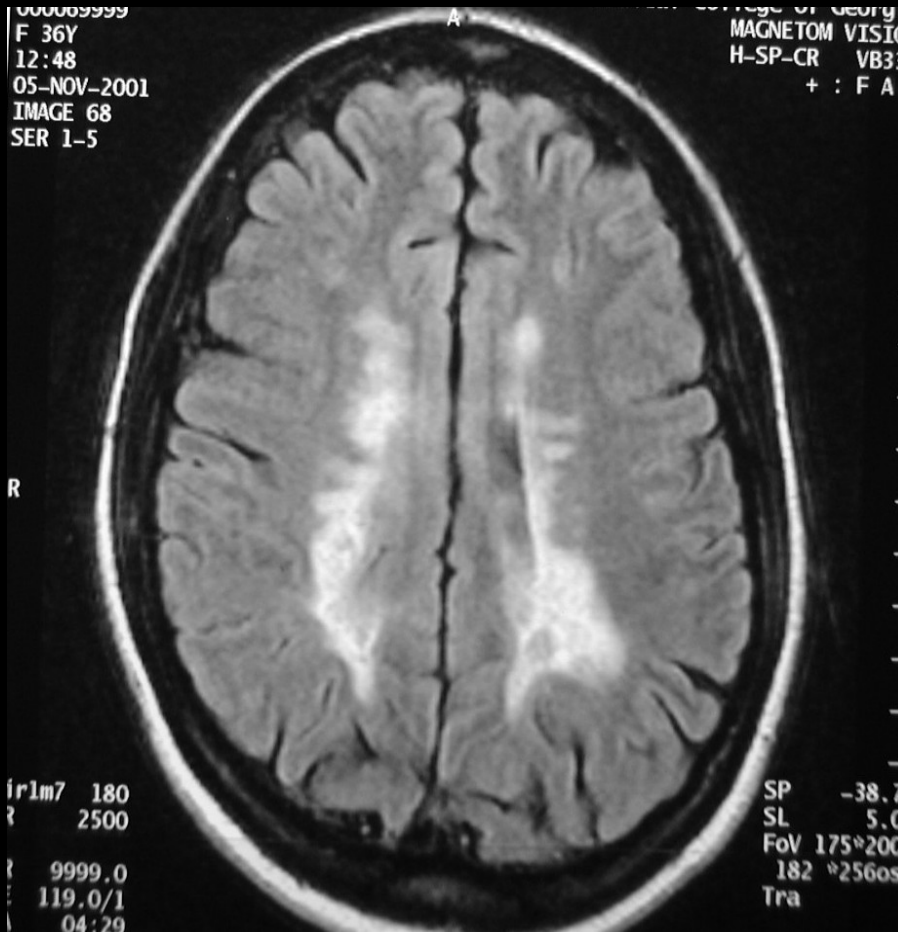
FLAIR



YT



00009999
F 36Y
12:48
05-NOV-2001
IMAGE 68
SER 1-5

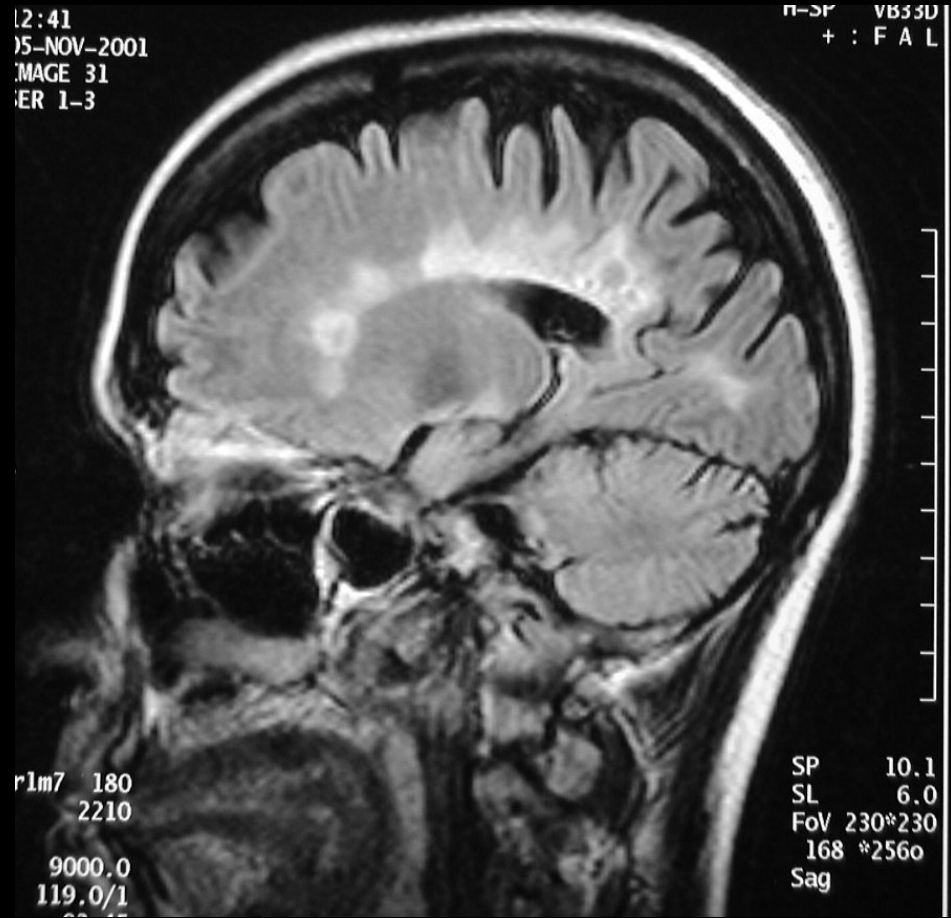


r1m7 180
2500
9999.0
119.0/1
04:29

College of Georgia
MAGNETOM VISIO
H-SP-CR VB33
+ : F A

SP -38.7
SL 5.0
FoV 175*200
182 *256os
Tra

12:41
05-NOV-2001
IMAGE 31
SER 1-3

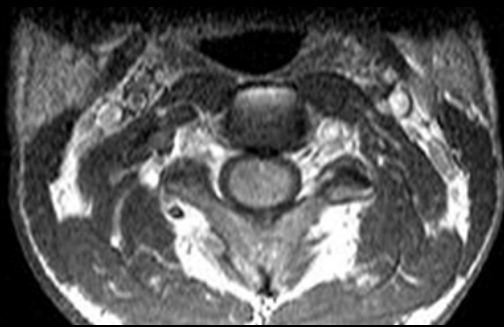
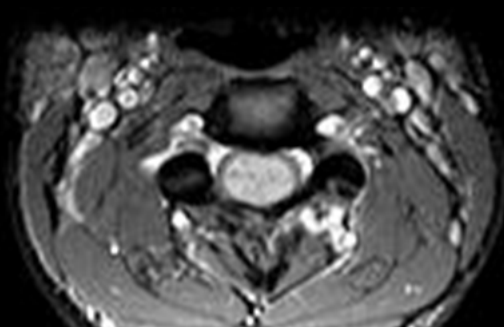
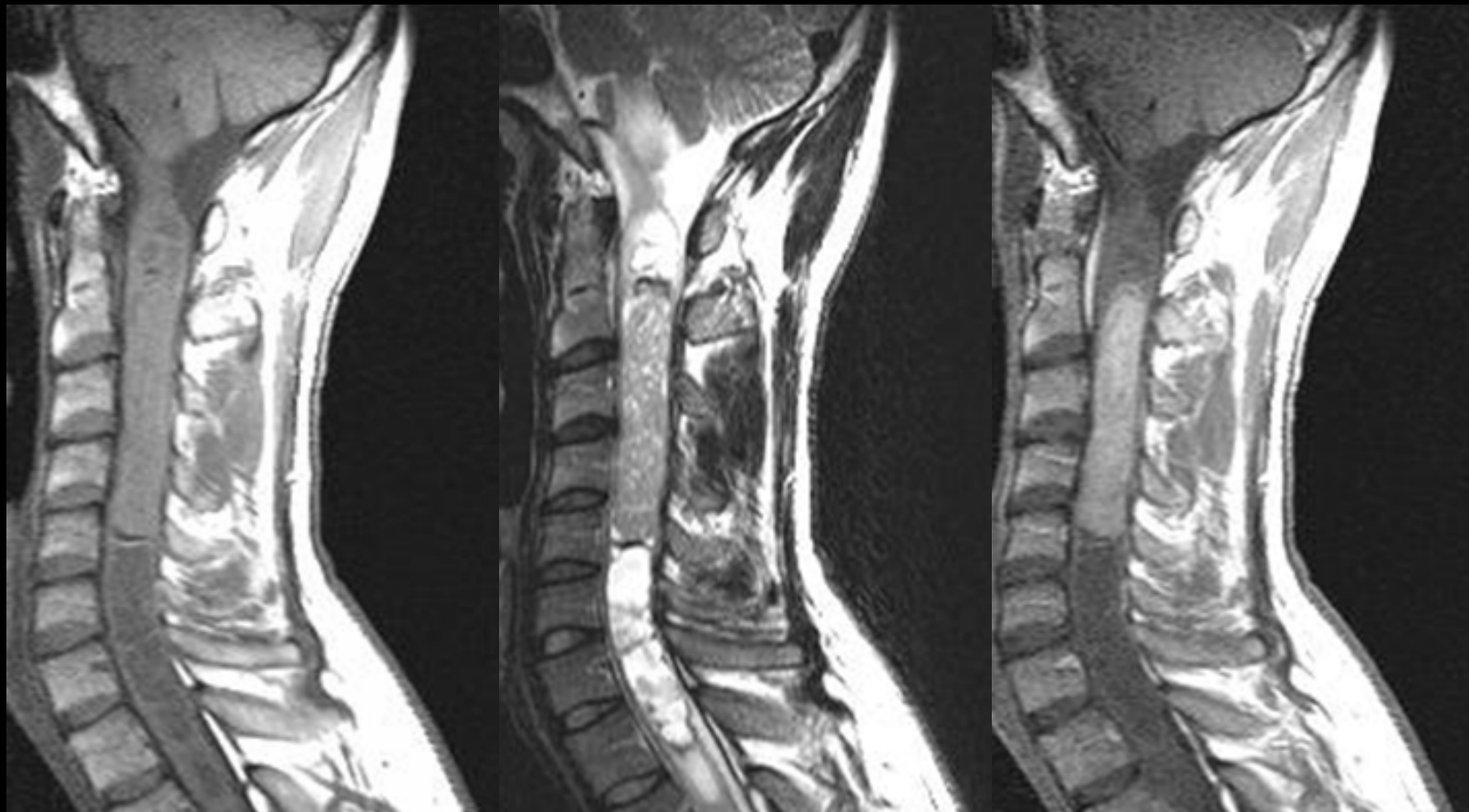


r1m7 180
2210
9000.0
119.0/1

VB33D
+ : F A L

SP 10.1
SL 6.0
FoV 230*230
168 *256o
Sag









(c)



PODARAS CHRISTOS
CT025486
Age:91 years
M
21 Jan 2012
12:39:59

LARISSA UNIVERSITY HOSPITAL
CT
Head 2.0

A

R



L

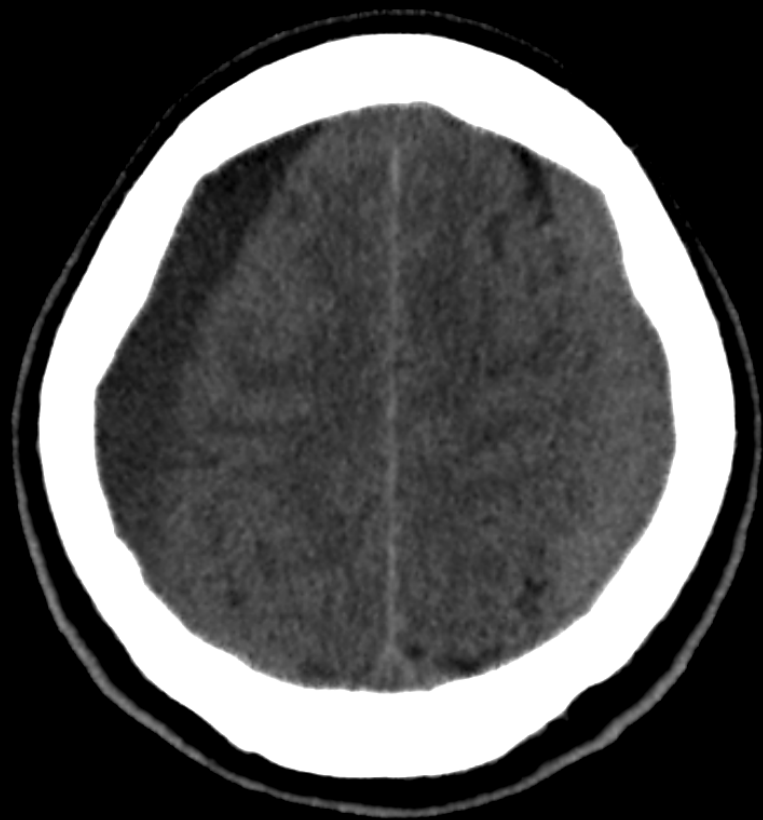


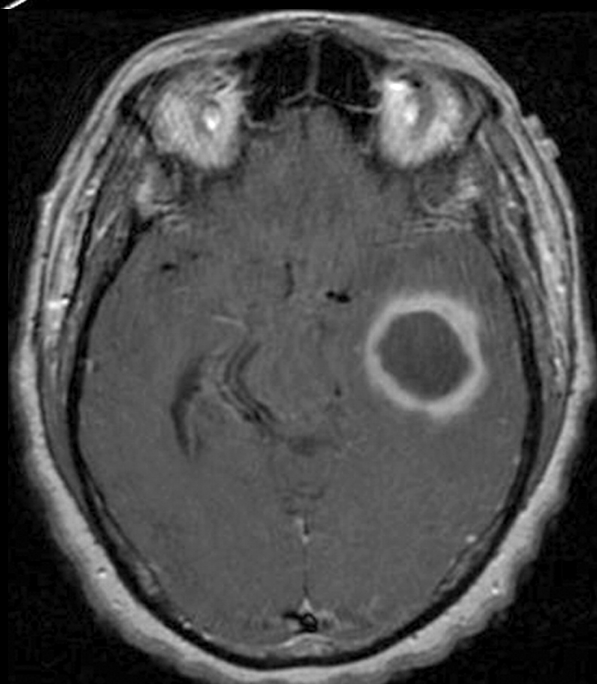
7 cm

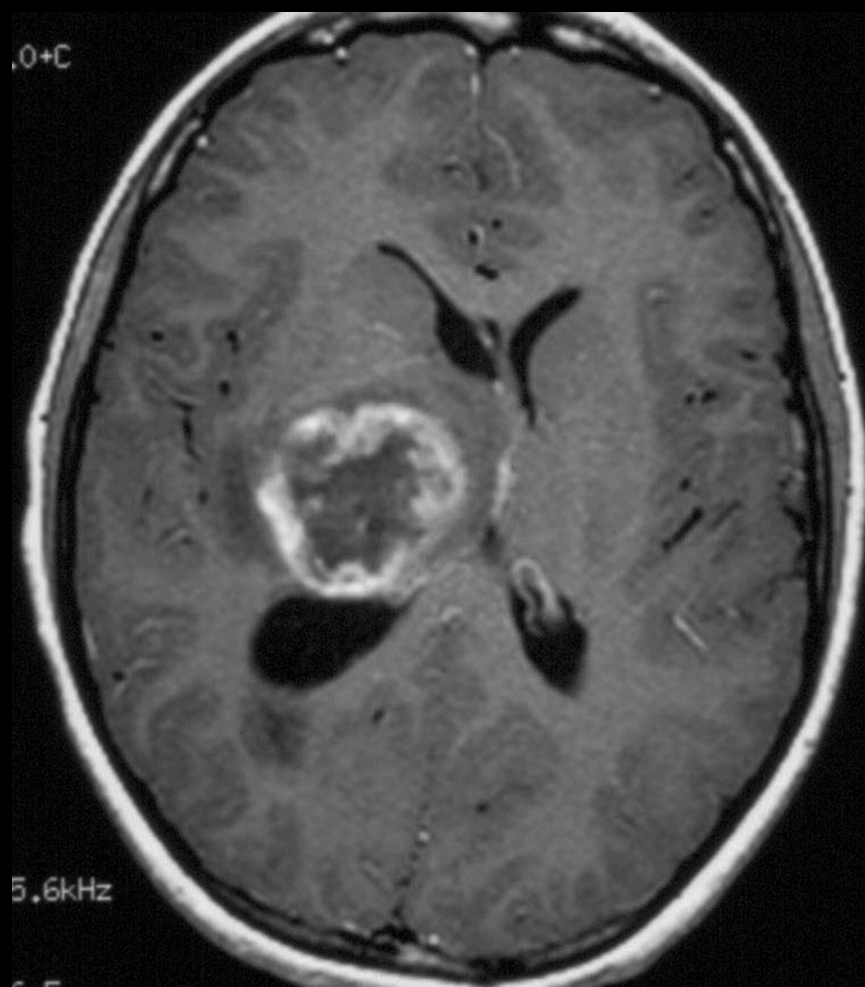
kVP:120
mA:300
msec:750
mAs:225
Thk:2 mm
Aquilion

P

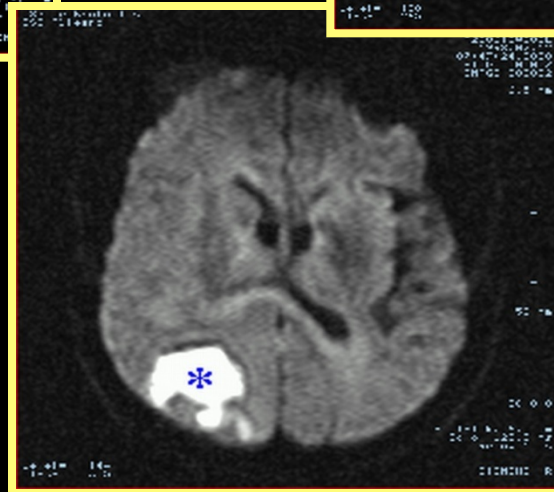
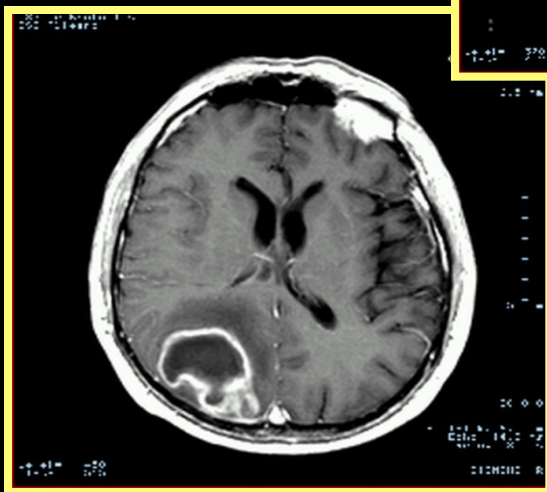
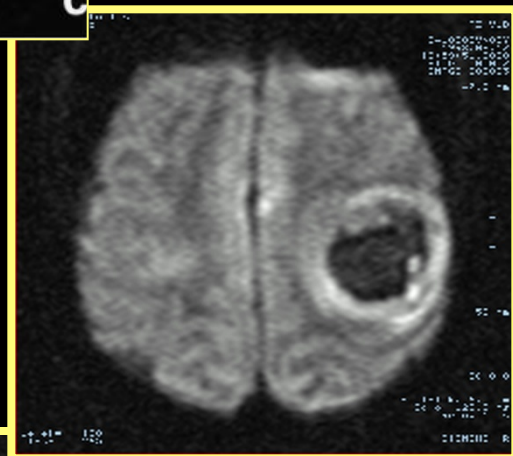
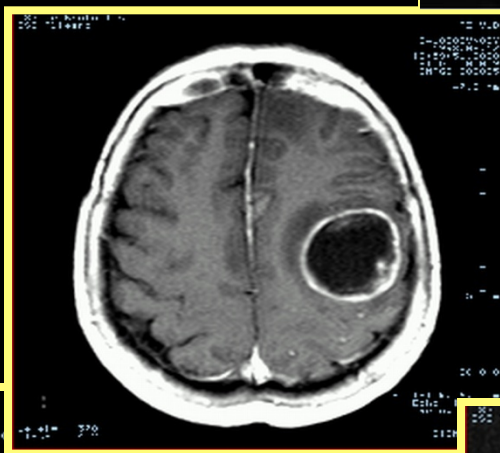
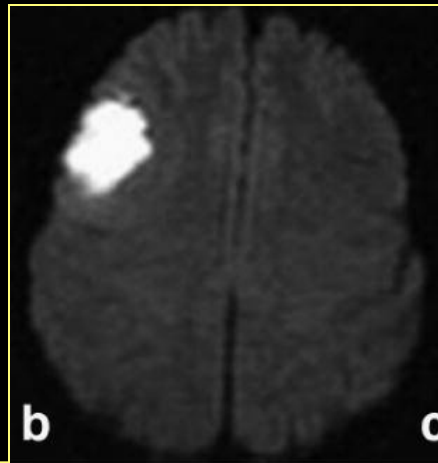
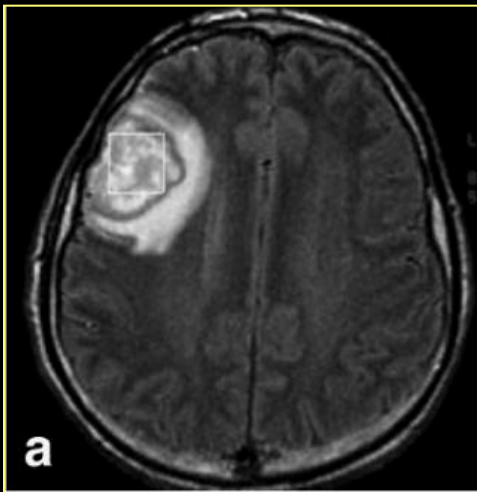
W/L:75/35
#53 at -432.6 mm







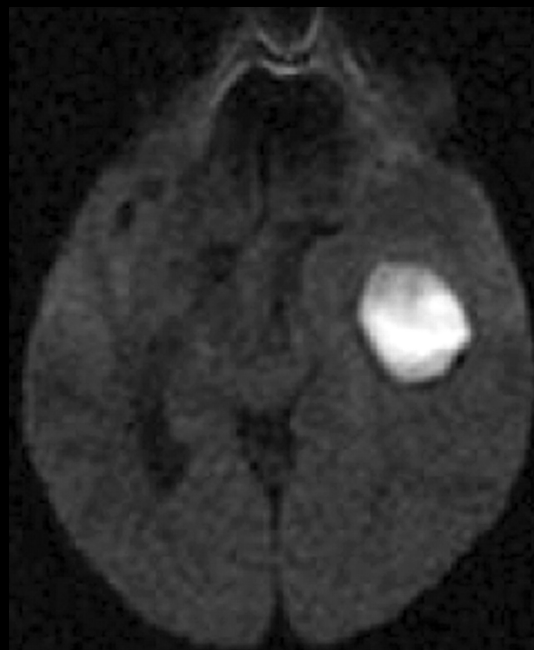
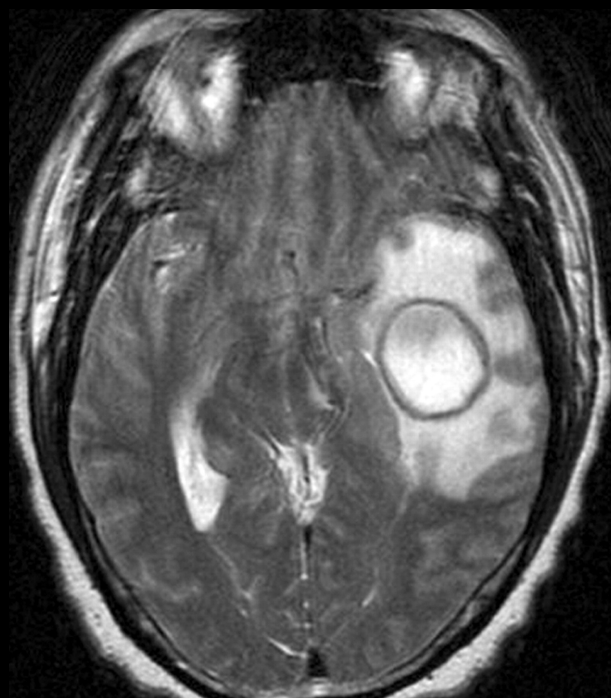
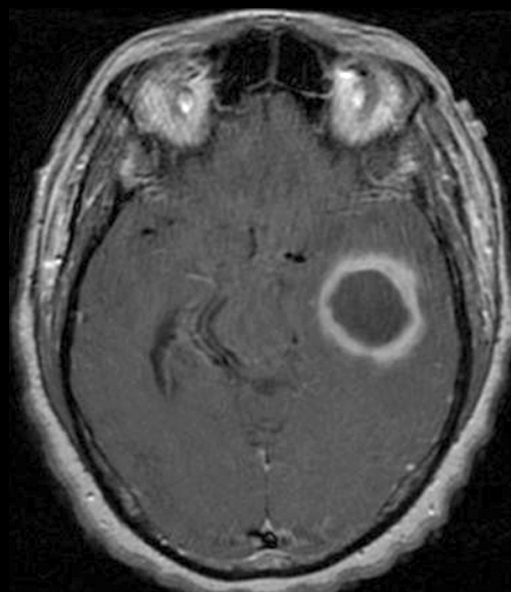
GBM



DD ring enhancing lesions

MAGIC DR

- Metastasis
- Abscess
- GBM
- Infection (cysticercosis)/Infarct
- Contusion
- Demyelinating disease
- Resolving hematoma, Radiation necrosis



Diffusion
Weighted
Imaging
DWI

