

Neurosurgical Emergencies

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Case 1

Male 42 years while brushing his teeth fell backwards and had momentary loss of consciousness.

He was brought to hospital on Sunday morning.

△ - Head Injury

Case 2

Female 38 years while washing the dishes developed severe headache. She collapsed and hit her Occiput and had a scalp laceration.

Taken to hospital, sutures inserted.

Noted stiffness in the neck, x-ray cervical spine done and referred to Orthopaedic surgeon.

Given a cervical collar

Case 3

Male 27 years. Works as a mason,
developed epileptic fits.

Taken to hospital and asked about
his drinking habits - 2 beers on
weekends.

△ - Alcoholic fits

Referred to Psychiatrist

Case 4

Male 45 years airline pilot – Seychelles.

Found at home with severe headache and had vomited.

Unable to clean himself and was taken to hospital.

△ - GastroEnteritis

Days later CT Scan brain done at insistence of his wife.

△ - Brain Tumour

Case 5

Male 66 years sudden onset of dysphasia, progressive weakness.

CT Scan brain done urgently.

Next day almost fully recovered

Case 6

Male 42 years with progressive weakness of right side of body

Engineer – unable to drive, climb ladders etc...

CT Scan Brain done, interesting lesion noted.





CT/e Dual SYS+CT
Ex: 2703
Se: 2
OP: S69.30
In: 97+C

A 89



DIPOV 20.0cm
SOFT/1
kV 140
mA 100
Auto mA:N
Head
1.00mm/1.50 0.75:1
Tilt: 0.0
1.0s /HE 10:21:09/44.80
V:00 1:40

CT/e Dual SYS+CT
Ex: 2703
Se: 2
OP: S71.40
In: 100+C

A 89



DIPOV 20.0cm
SOFT/1
kV 140
mA 97
Auto mA:N
Head
1.00mm/1.50 0.75:1
Tilt: 0.0
1.0s /HE 10:21:09/46.20
V:00 1:40

CT/e Dual SYS+CT
Ex: 2703
Se: 2
OP: S73.50
In: 103+C

A 89



DIPOV 20.0cm
SOFT/1
kV 140
mA 95
Auto mA:N
Head
1.00mm/1.50 0.75:1
Tilt: 0.0
1.0s /HE 10:21:09/47.60
V:00 1:40

CT/e Dual SYS+CT
Ex: 2703
Se: 2
OP: S77.70
In: 109+C

A 89



DIPOV 20.0cm
SOFT/1
kV 140
mA 89
Auto mA:N
Head
1.00mm/1.50 0.75:1
Tilt: 0.0
1.0s /HE 10:21:09/50.40
V:00 1:40

CT/e Dual SYS+CT
Ex: 2703
Se: 2
OP: S79.80
In: 112+C

A 89



DIPOV 20.0cm
SOFT/1
kV 140
mA 85
Auto mA:N
Head
1.00mm/1.50 0.75:1
Tilt: 0.0
1.0s /HE 10:21:09/51.80
V:00 1:40

CT/e Dual SYS+CT
Ex: 2703
Se: 2
OP: S81.90
In: 115+C

A 89



DIPOV 20.0cm
SOFT/1
kV 140
mA 80
Auto mA:N
Head
1.00mm/1.50 0.75:1
Tilt: 0.0
1.0s /HE 10:21:09/53.20
V:00 1:40

30 Nov 2004
512
PF:1.2

P 77

P 77

#1
= 57

A 106

P

WW

149

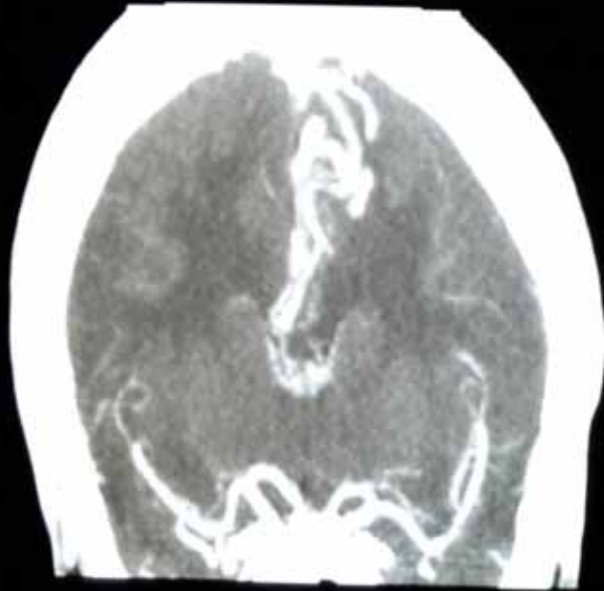
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S 151

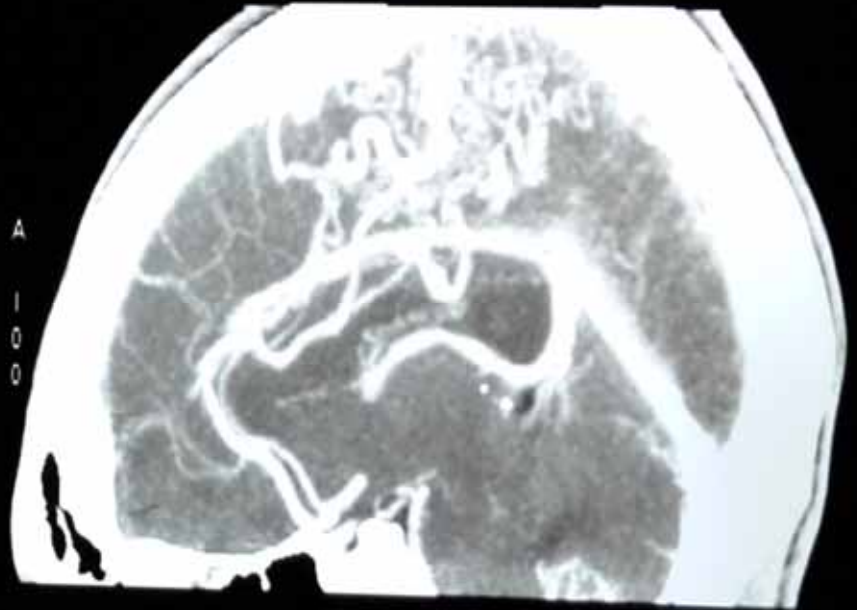
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Ex 2703
Se 321 RFMT
Im 3+C

Nov
10:1



L
1
0
0



A
1
0
0

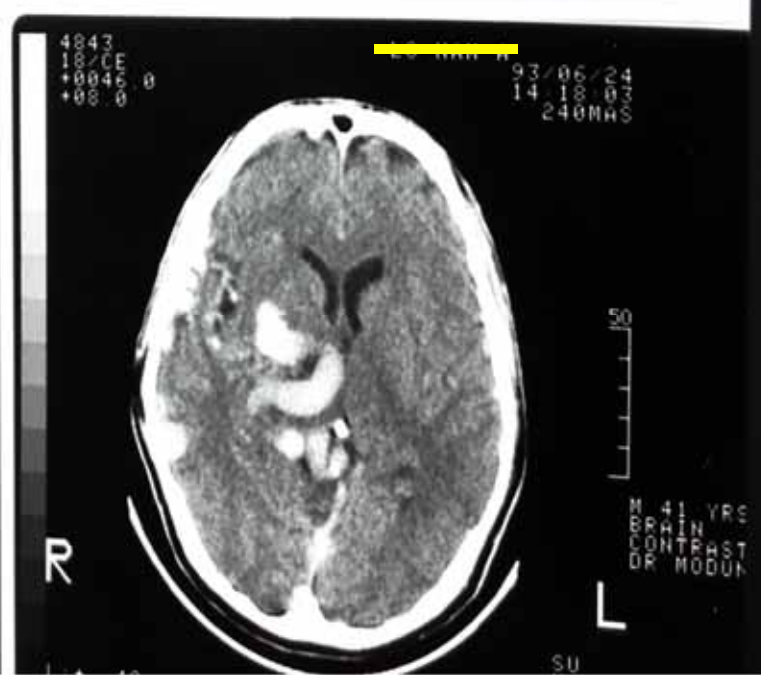
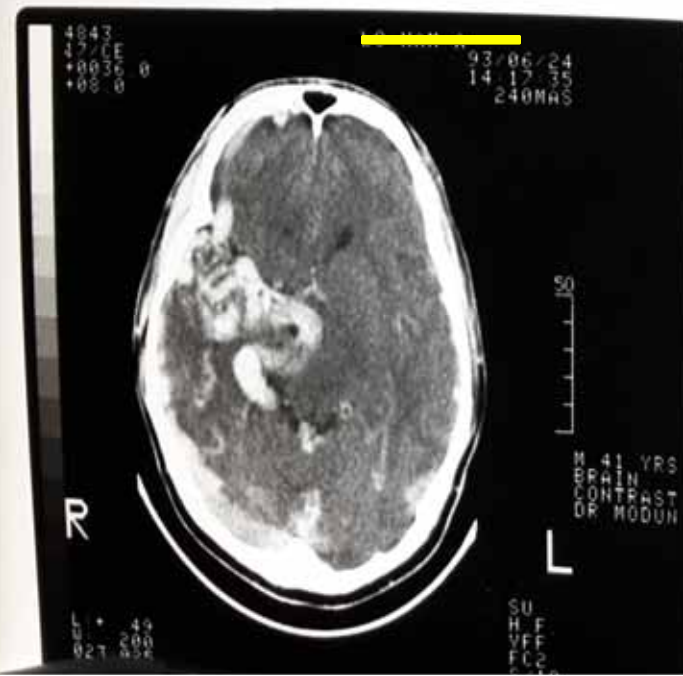
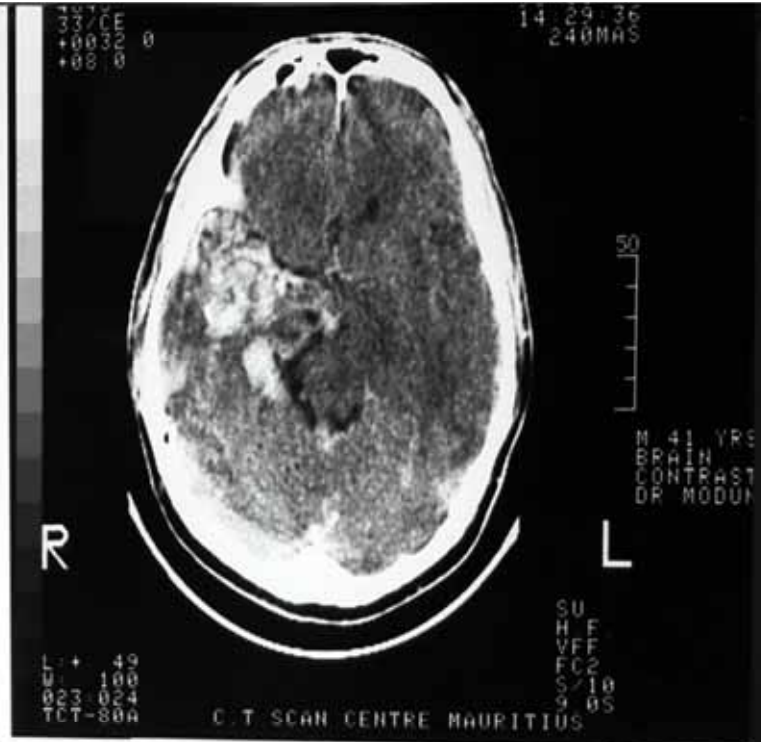
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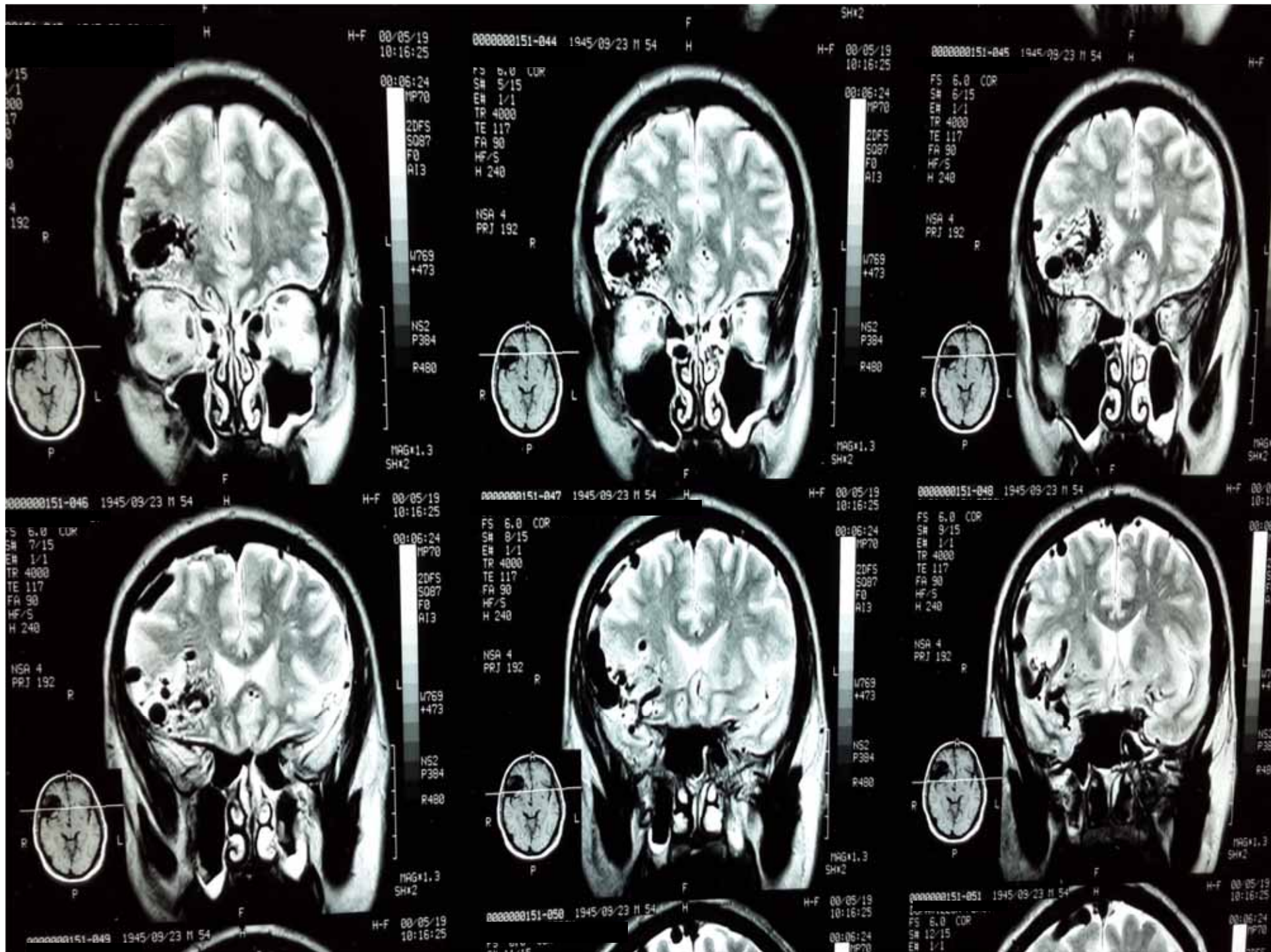
WW 100WL 35

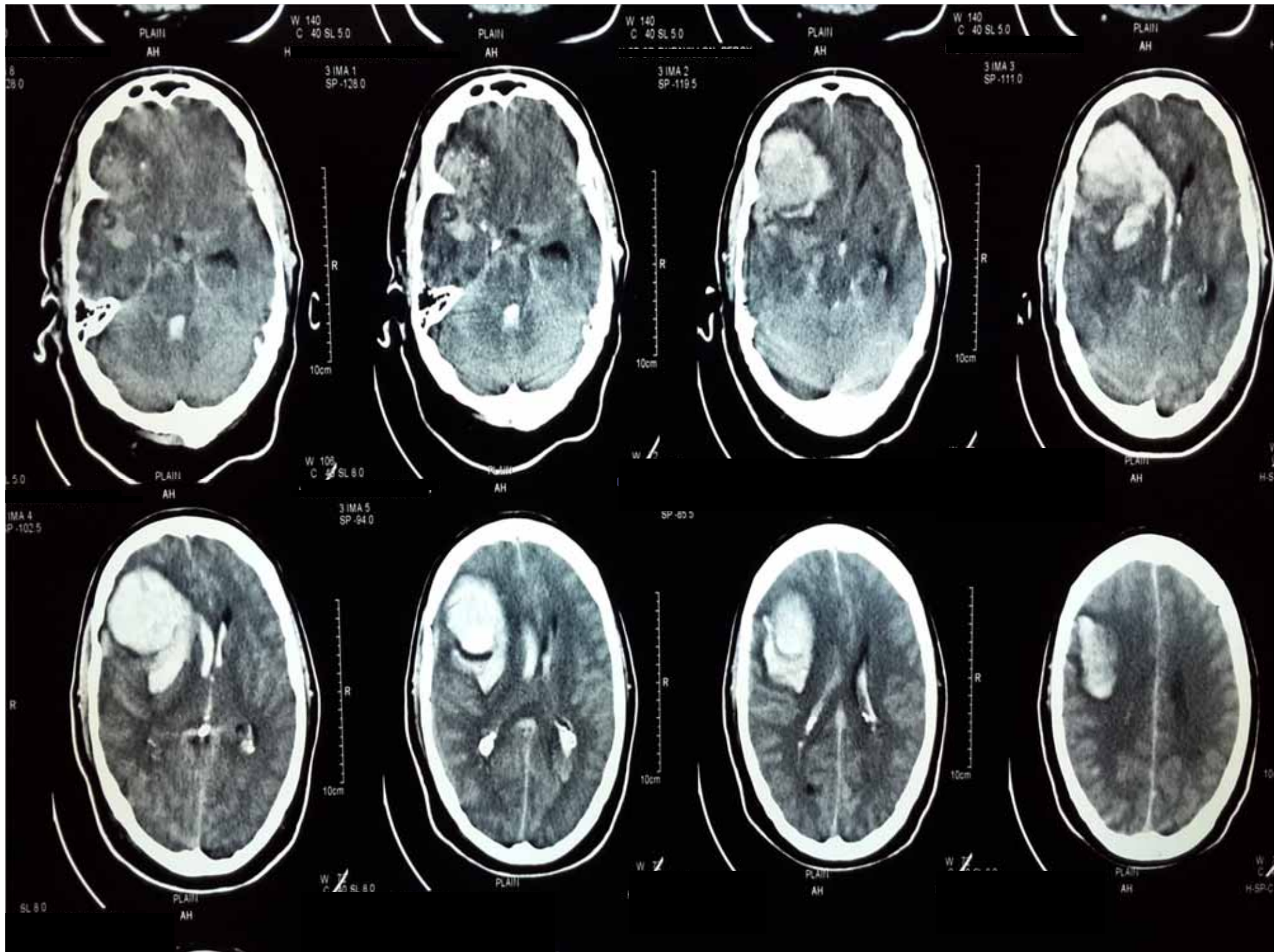
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WW 100WL 35

PH/1700







RS T/66YR

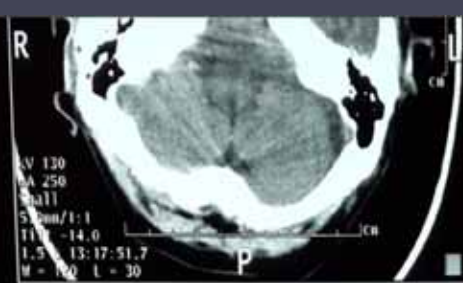
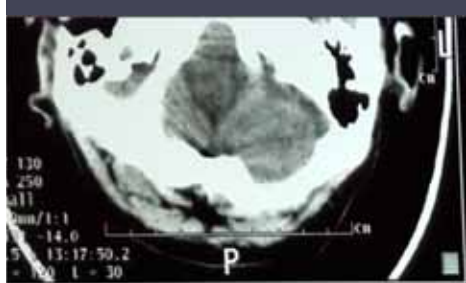
LAKE SMIT & P
23 Dec
MAR

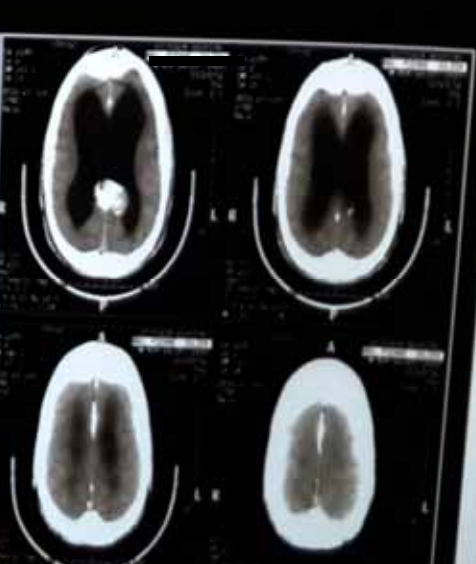


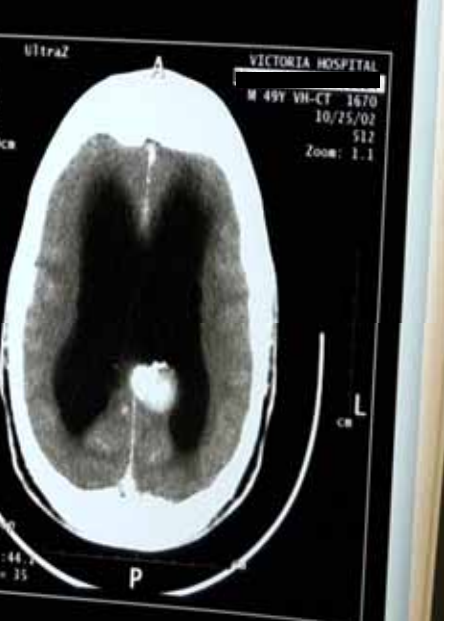
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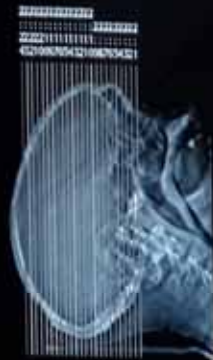
25
25C1 239
W1 681







Se:1
OM -11.2
Im:1
DFOV 48.0cm
STND
Pilot



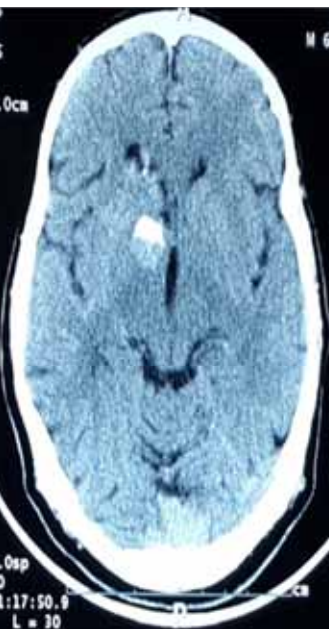
S

kV 130
mA 30
Large

Tilt 0.0
11:16:35.5
W = 800 L = 500

P

Ex:22415
M 66Y CT14/226 Se:2
01/20/14 OM +21.5
S12 Im:10
Zoom: 1.0 DFOV 21.0cm
STND
Axial



I R

kV 130
mA 250
Small
5.0mm/5.0sp
Tilt 0.0
1.5 s 11:17:50.9
W = 75 L = 30

Ex:22415
M 66Y CT14/226 Se:2
01/20/14 OM +26.4
S12 Im:11
Zoom: 1.0 DFOV 21.0cm
STND
Axial



L R

kV 130
mA 250
Small
5.0mm/5.0sp
Tilt 0.0
1.5 s 11:17:53.8
W = 75 L = 30

VICTORIA HOSPITAL
M 66Y CT14/226
01/20/14
S12
Zoom: 1.0

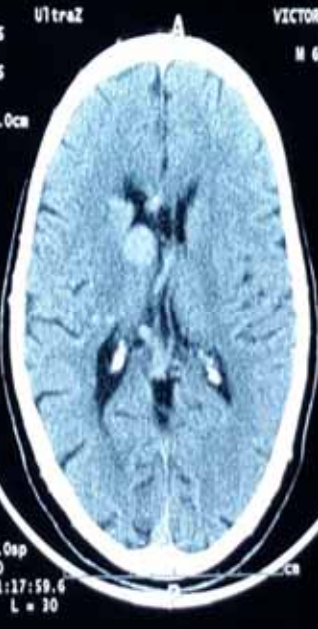
Ex:22415
Se:2
OM +31.6
Im:12
DFOV 21.0cm
STND
Axial



R

kV 130
mA 250
Small
5.0mm/5.0sp
Tilt 0.0
1.5 s 11:17:56.7
W = 75 L = 30

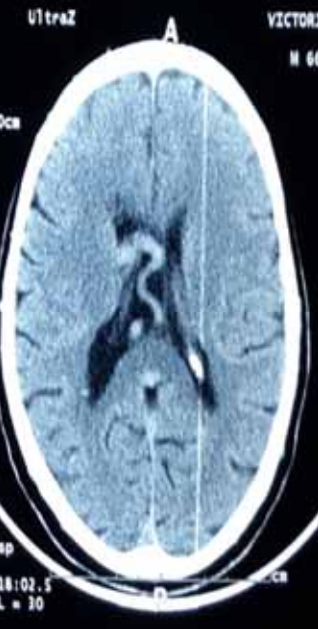
VICTORIA HOSPITAL
Ex:22415
M 66Y CT14/226 Se:2
01/20/14 OM +36.5
S12 Im:13
Zoom: 1.0 DFOV 21.0cm
STND
Axial



L R

kV 130
mA 250
Small
5.0mm/5.0sp
Tilt 0.0
1.5 s 11:17:59.6
W = 75 L = 30

VICTORIA HOSPITAL
Ex:22415
M 66Y CT14/226 Se:2
01/20/14 OM +41.5
S12 Im:14
Zoom: 1.0 DFOV 21.0cm
STND
Axial



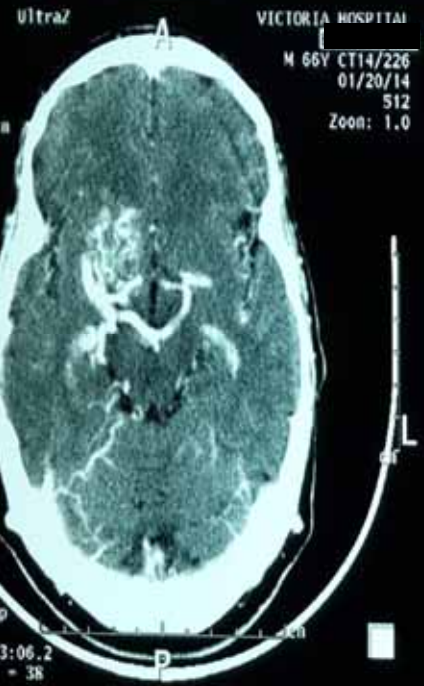
L R

kV 130
mA 250
Small
5.0mm/5.0sp
Tilt 0.0
1.5 s 11:18:02.5
W = 75 L = 30

VICTORIA HOSPITAL
Ex:22415
M 66Y CT14/226
01/20/14
S12
Zoom: 1.0

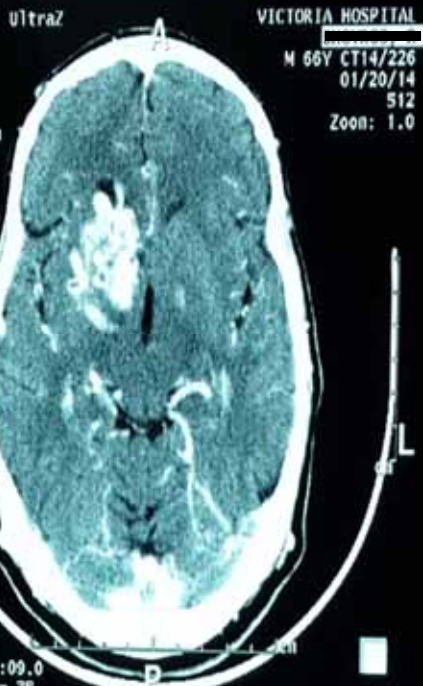
W = 75 L = 38

Ex: 22415
Se: 3
OM -11.4
In: 8 +C
DFOV 21.0cm
STND
Axial



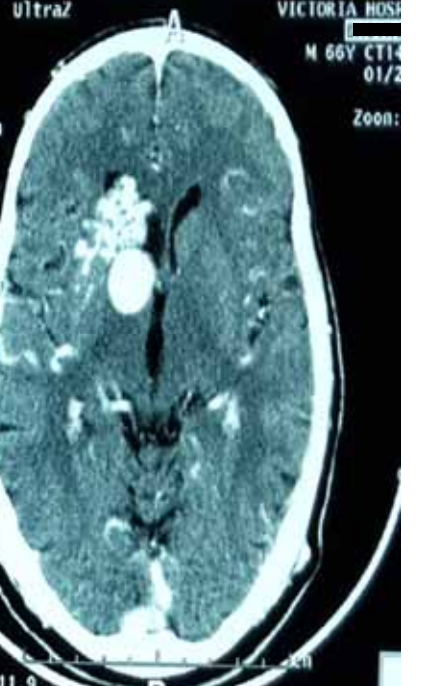
W = 75 L = 38

Ex: 22415
Se: 3
OM -16.6
In: 9 +C
DFOV 21.0cm
STND
Axial



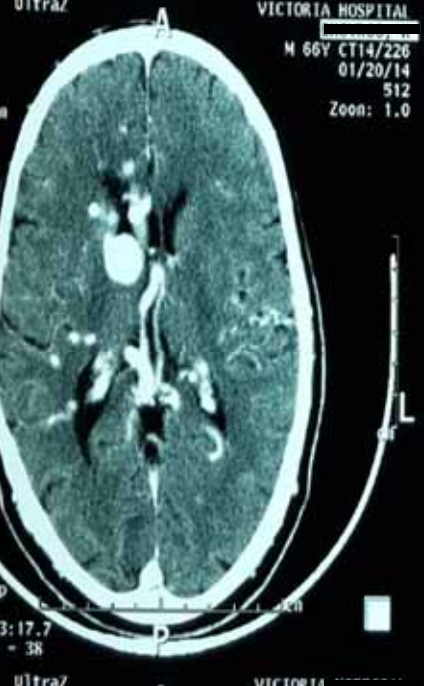
W = 75 L = 38

Ex: 22415
Se: 3
OM -21.5
In: 10 +C
DFOV 21.0cm
STND
Axial



W = 75 L = 38

Ex: 22415
Se: 3
OM -31.5
In: 12 +C
DFOV 21.0cm
STND
Axial



W = 75 L = 38

Ex: 22415
Se: 3
OM -36.5
In: 13 +C
DFOV 21.0cm
STND
Axial



W = 75 L = 38

Ex: 22415
Se: 3
OM -41.5
In: 14 +C
DFOV 21.0cm
STND
Axial



W = 75 L = 38

Ex: 22415



W = 75 L = 38

Ex: 22415



W = 75 L = 38

Ex: 22415



66Y

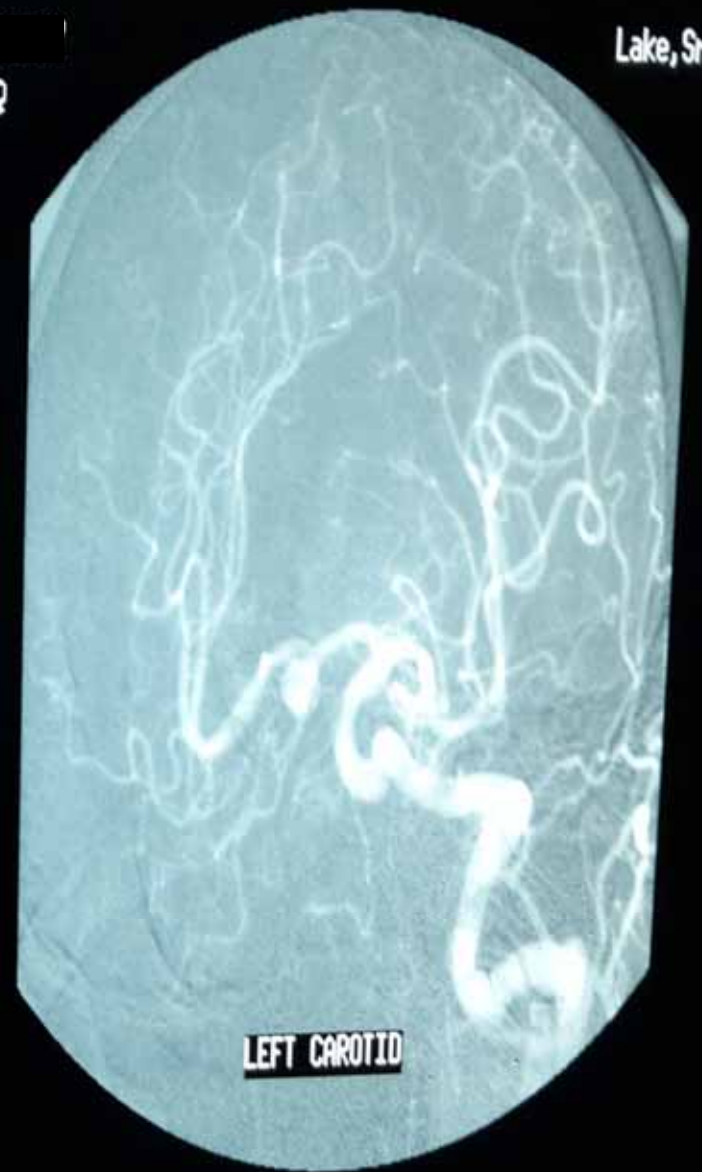
Lake, Smit & part inc.

03-06-36 9
E122695
19-12-2002
10:56:31

Lake, Smit



LEFT CAROTID



LEFT CAROTID

9
9-2

18-12-61 ♀
E0049622
02-06-2000
14:43:44

Lake, Smit & part inc.

18-12-61 ♀
E0049622
02-06-2000
14:45:00

Lake, Smit

RT CAROTID ARTERY

3
5-2

4
6-2



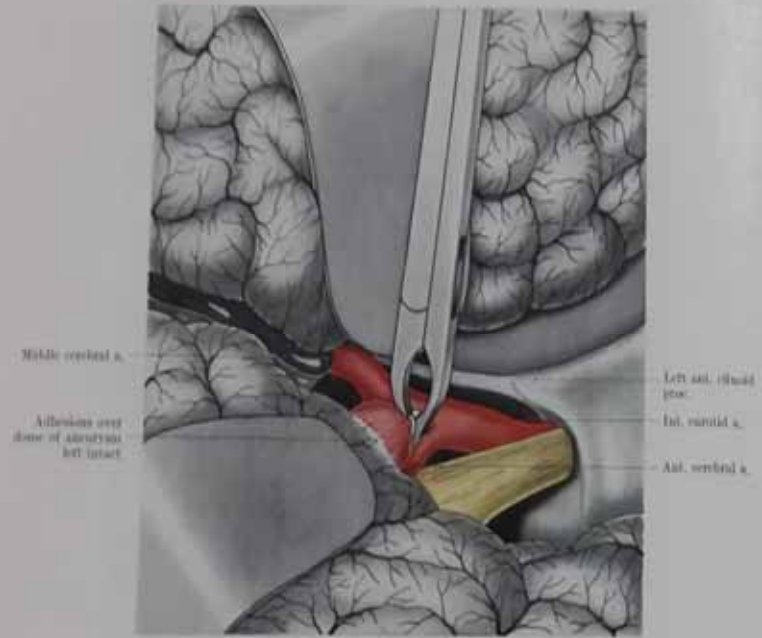


Fig. 36. Clipping of aneurysm at bifurcation of internal carotid artery.

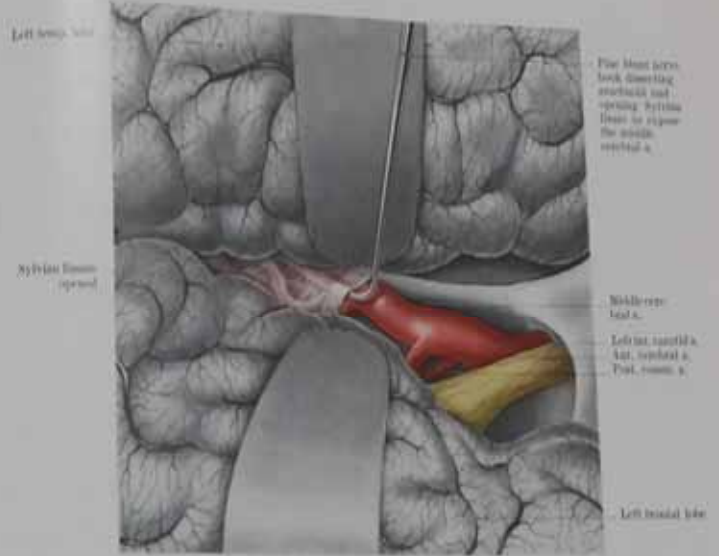
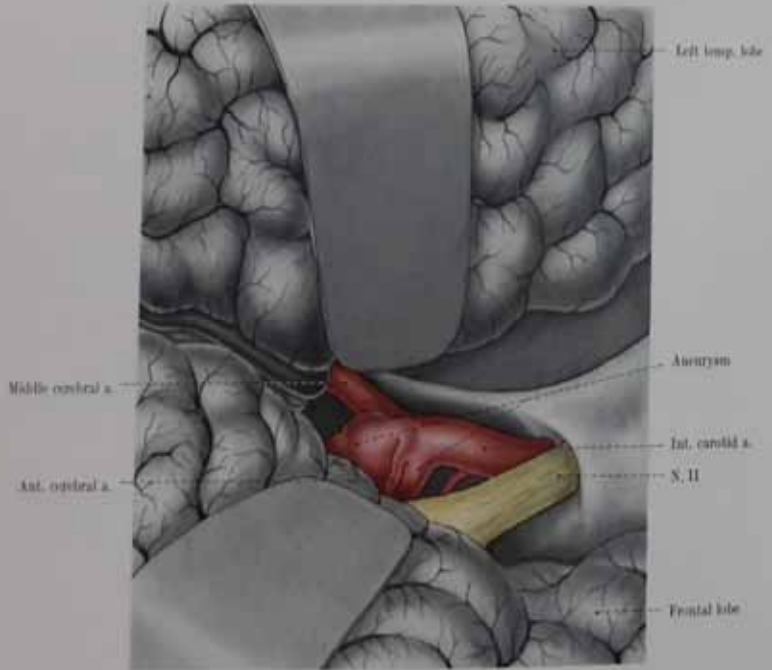


Fig. 38. Operative view of aneurysm of left middle cerebral artery. *Observation:* Arachnoid has been removed starting from internal carotid artery.

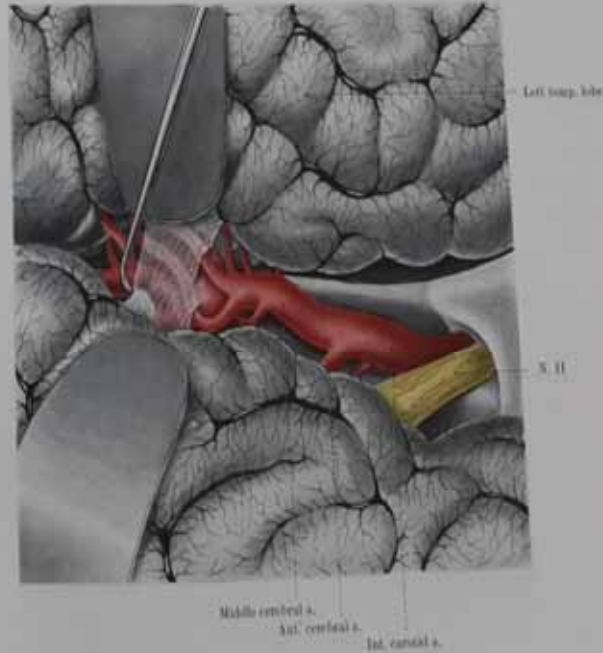


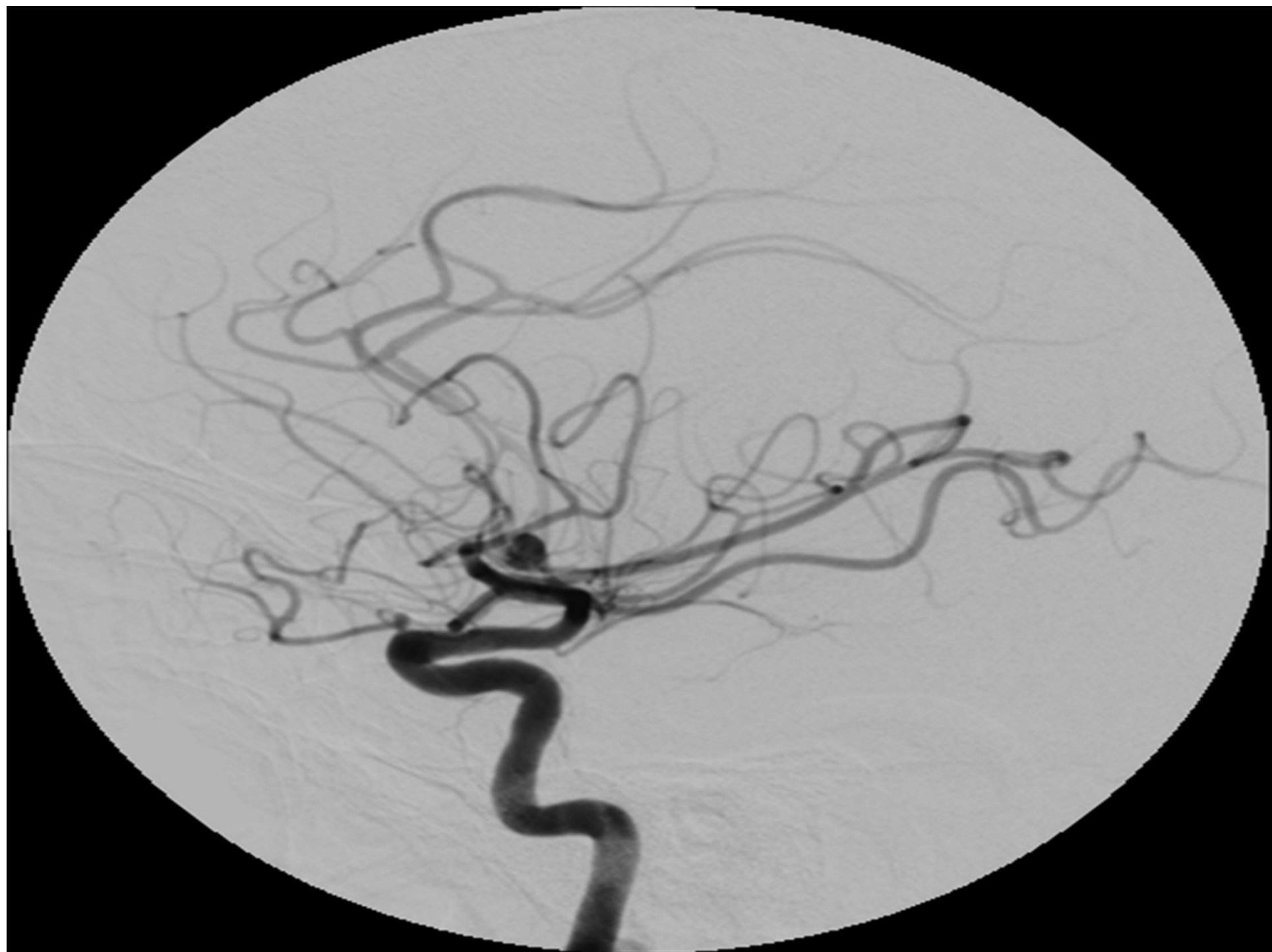
Fig. 39. Aneurysm of left middle cerebral artery. *Observation:* All small branches of the middle cerebral artery are left intact.

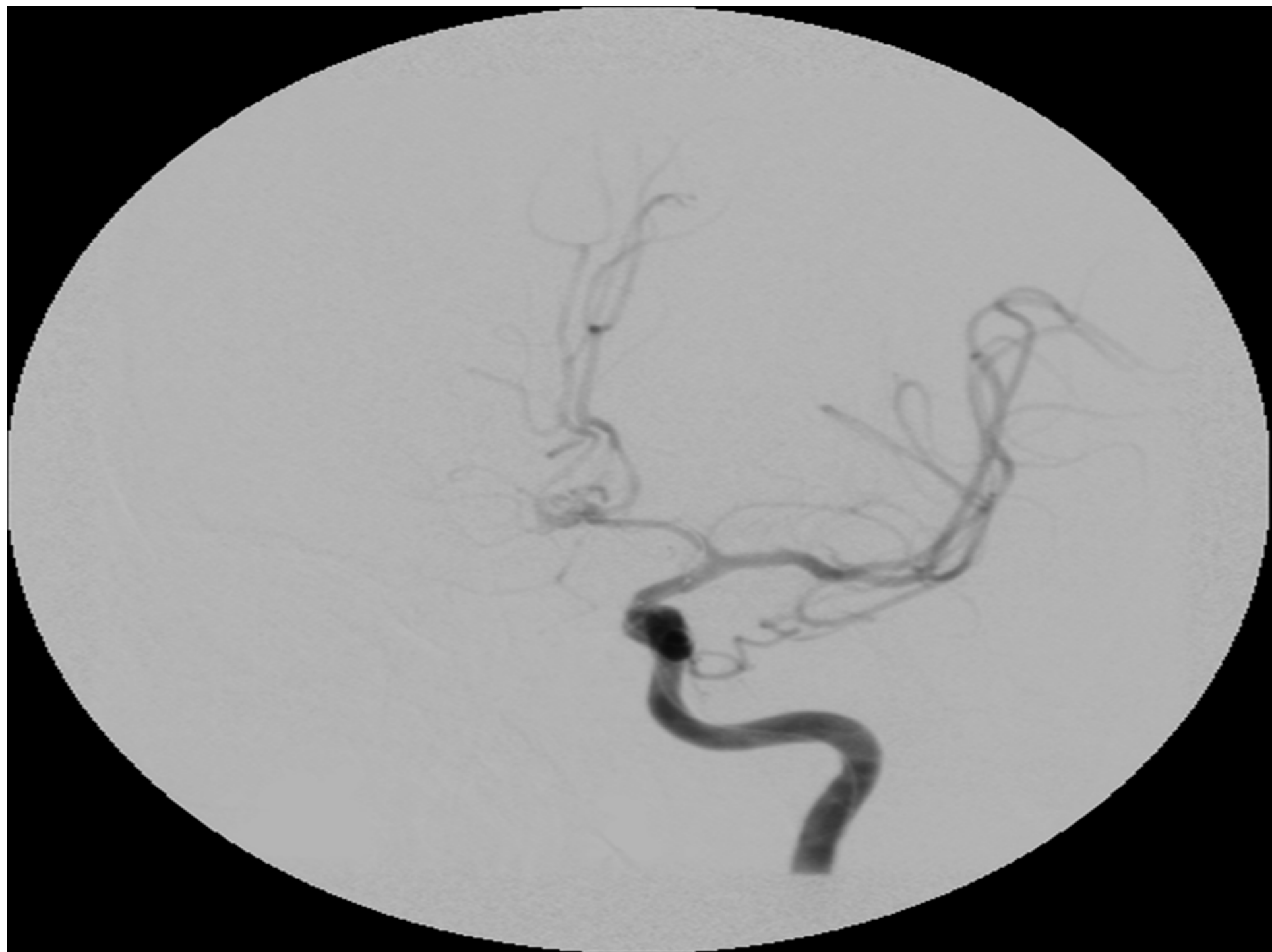


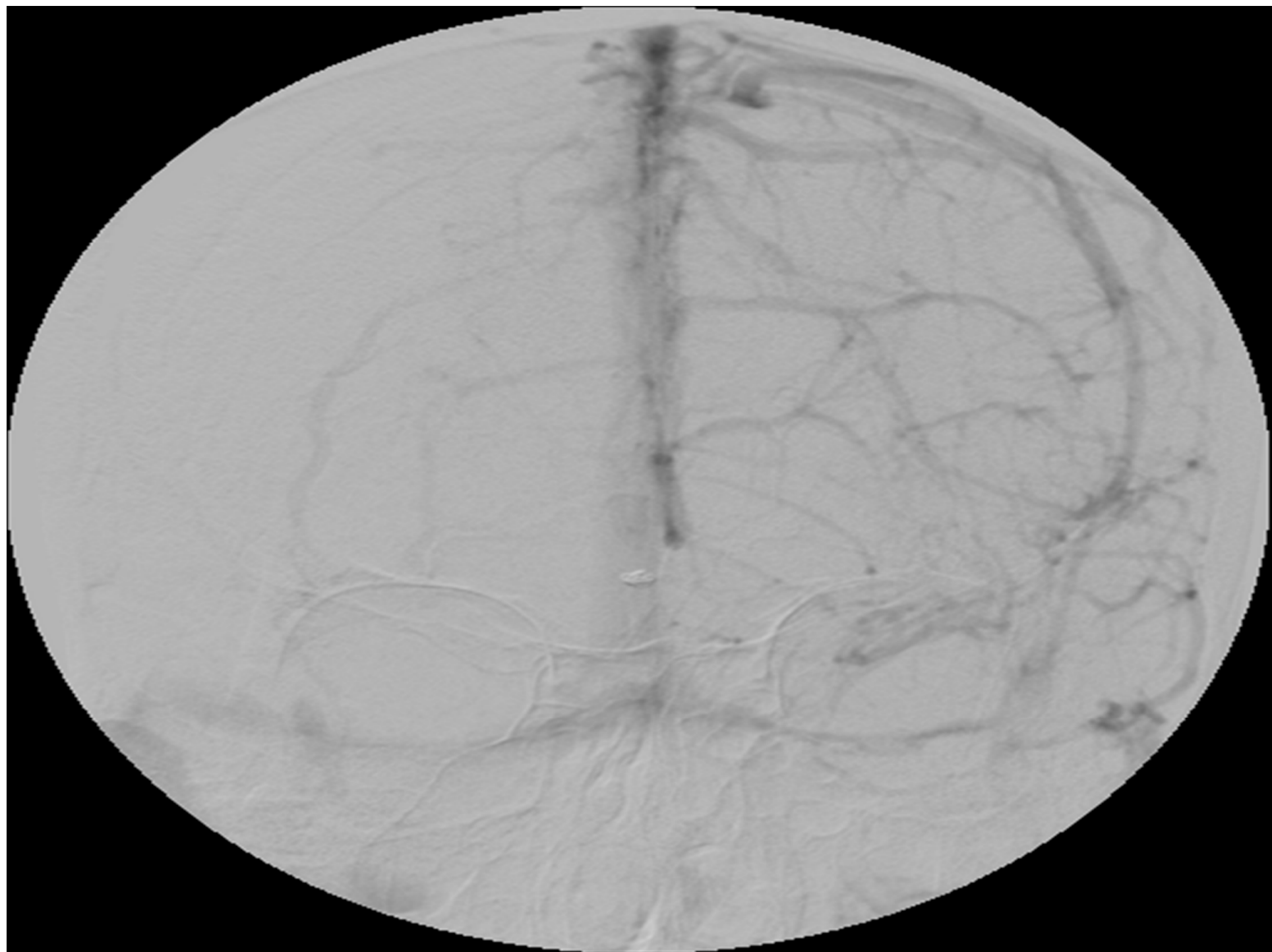
Fig. 317. Anatomical demonstration of arterio-venous malformation of left parietal lobe.
Observe: Feeding vessels from middle and anterior cerebral arteries.



Fig. 318. Anatomical presentation of arterio-venous malformation over left parietal lobe in a coronal section.



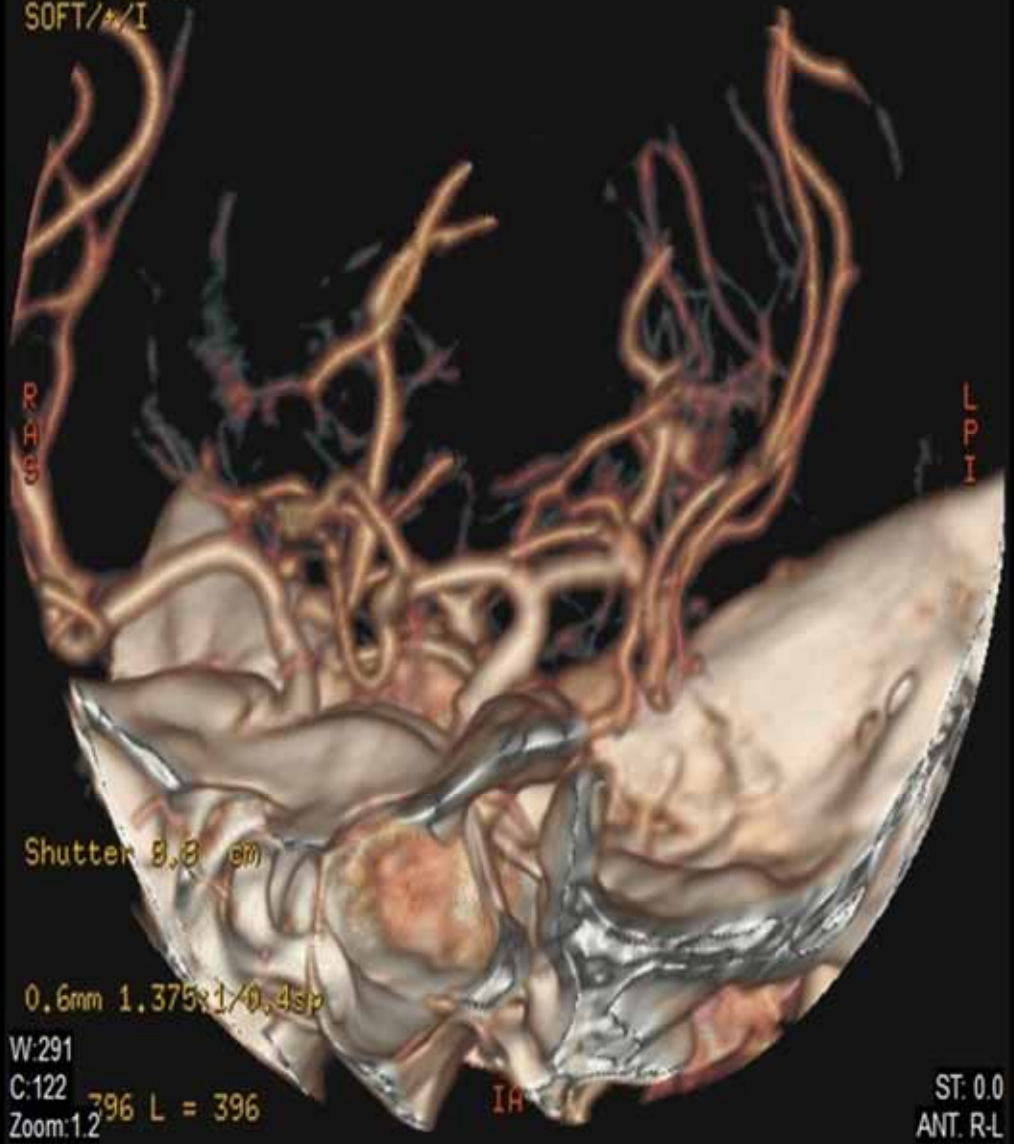




13-04-55 [redacted] Current ACC:E0501548
SP [redacted] 15-06-13
10:56

[redacted] ing No cut Ex: Jun 15 2013

DFOV 8.8 cm
SOFT*/*/I



R A S

L P I

Shutter 8.8 cm

0.6mm 1.375:1/0.4sp

W:291
C:122
Zoom:1.2 796 L = 396

I A

ST: 0.0
ANT. R-L

LA

13-04-55

DO MEVOW, DR King No cut

14

SA

15-06-13

10:56

Exp: 00n 15 2013

DFOV: 6.8 cm

SOFT 7/1

L

R

Shutter: 8.8 cm

POSTERIOR

0.6mm 1.375x1/0.4sp

W:264

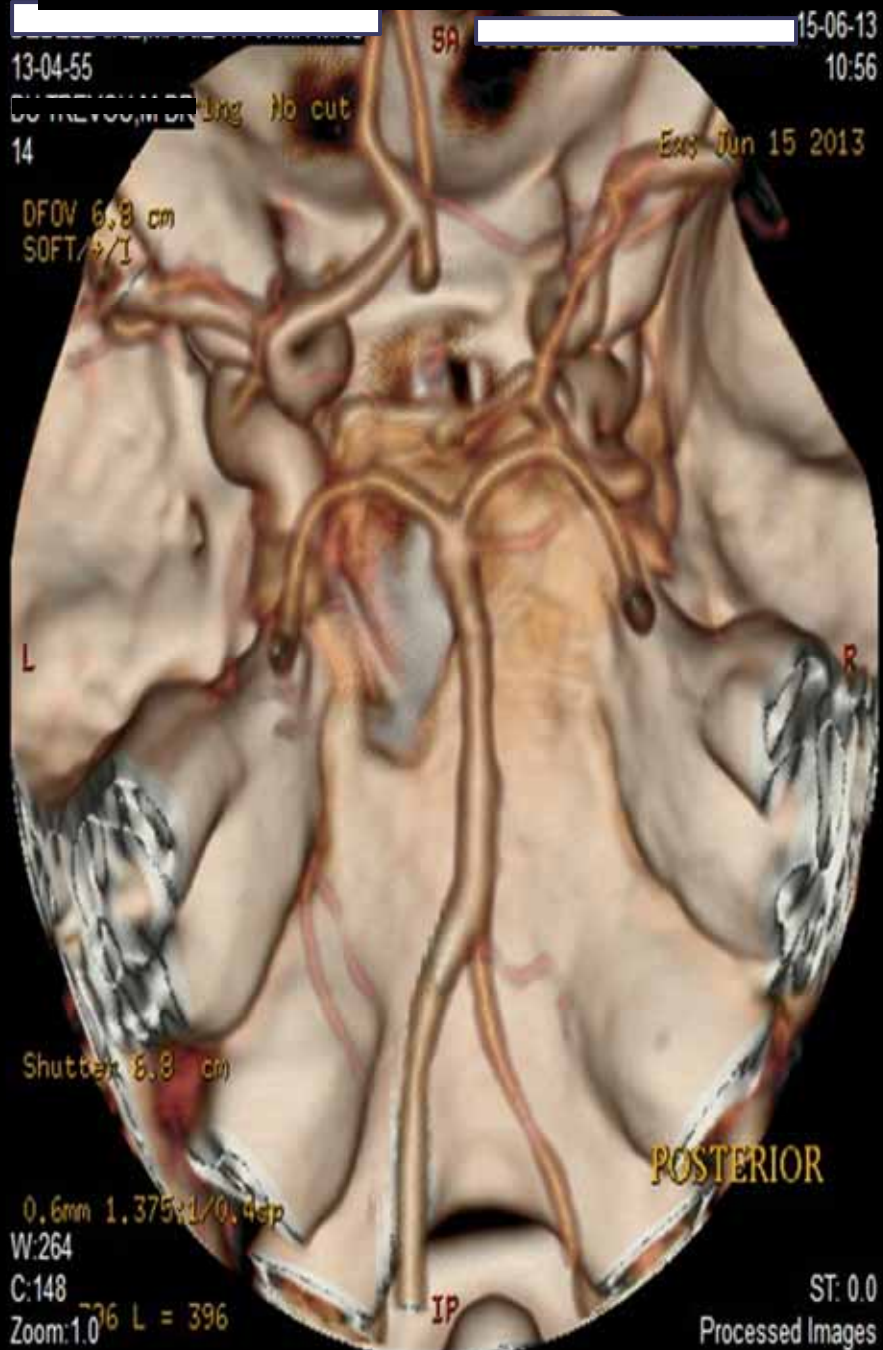
C:148

Zoom:1.0 L = 396

IP

ST: 0.0

Processed Images



LAKE, SMIT PARTNERS - ENTABENI

Current

ACC:E0508896

14-06-62

19-08-13

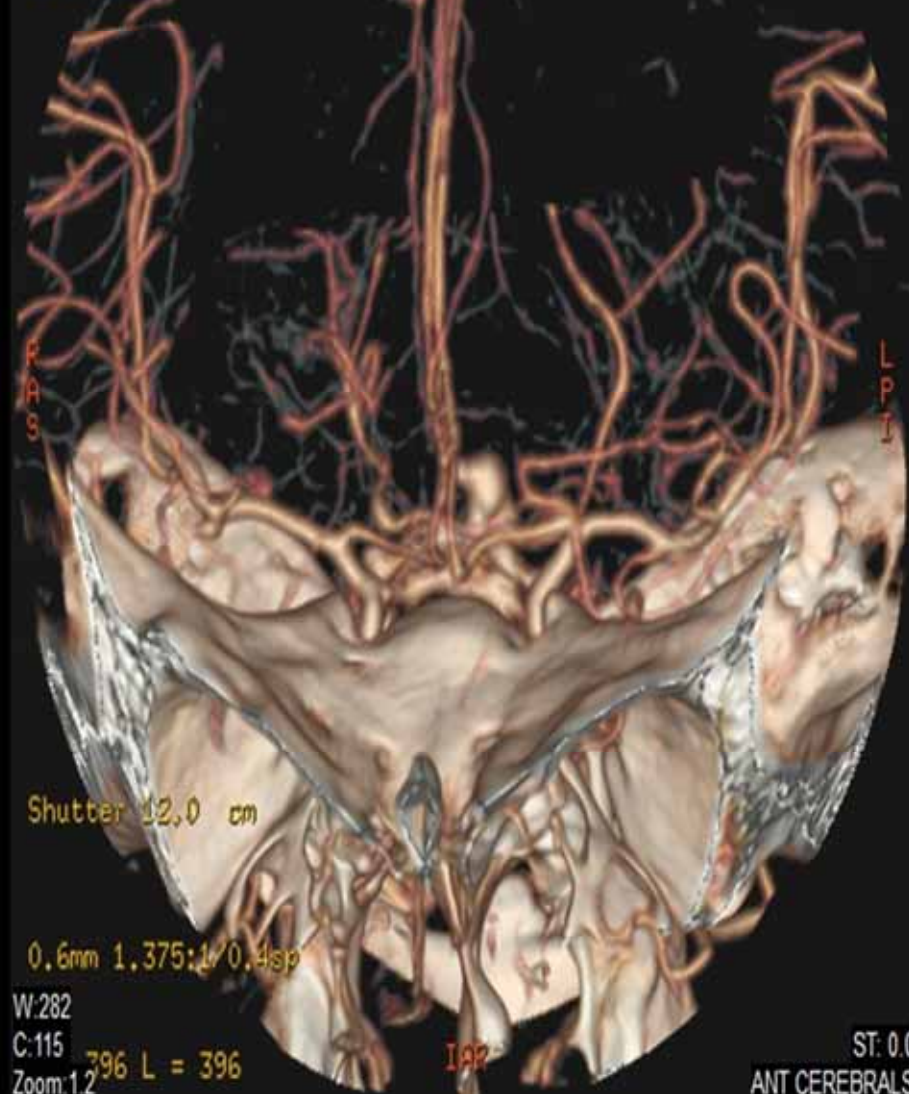
11:39

VAN DER MERWE, R DR
8

No cut

Ex: Aug 19 2013

DFOV 12.0 cm
SOFT/+I



Shutter 12.0 cm

0.6mm 1.375:1/0.4sp

W:282

C:115

Zoom:1.2 796 L = 396

199

ST: 0.0

ANT CEREBRALS

DFOV 12.0 cm
SOFT/+/I

P
I
R

A
S
L

Shutter 12.0 cm

0.6mm 1.375/1/0.4sp

W:282

C:117

Zoom:1.2

796 L = 396

IAR

ST: 0.0

ANT CEREBRALS



14-06-62

19-08-13
11:39

11

No cut

Ex: Aug 19 2013

DFOV 8.9 cm
SOFT/+/I

Shutter 8.8 cm

0.6mm 1.375:1/0.4sp

W:251

C:155

Zoom:1.1 796 L = 396

PI

ST: 0.0
VERTEBROBASILAR



Current

ACC:E0508896

19-08-13
11:39

No cut

Ex: Aug 19 2013

DFOV 8.9 cm
SOFT 4/1

Shutter 8.9 cm

0.6mm 1.375:1/0.4sp

W:290

C:139

796 L = 396

Zoom:1.1

IP

ST: 0.0

VERTEBROBASILAR



L

Current

ACC:E0508896

[Redacted]

[Redacted]

14-06-62

19-08-13

11:39

Ex: Aug 19 2013

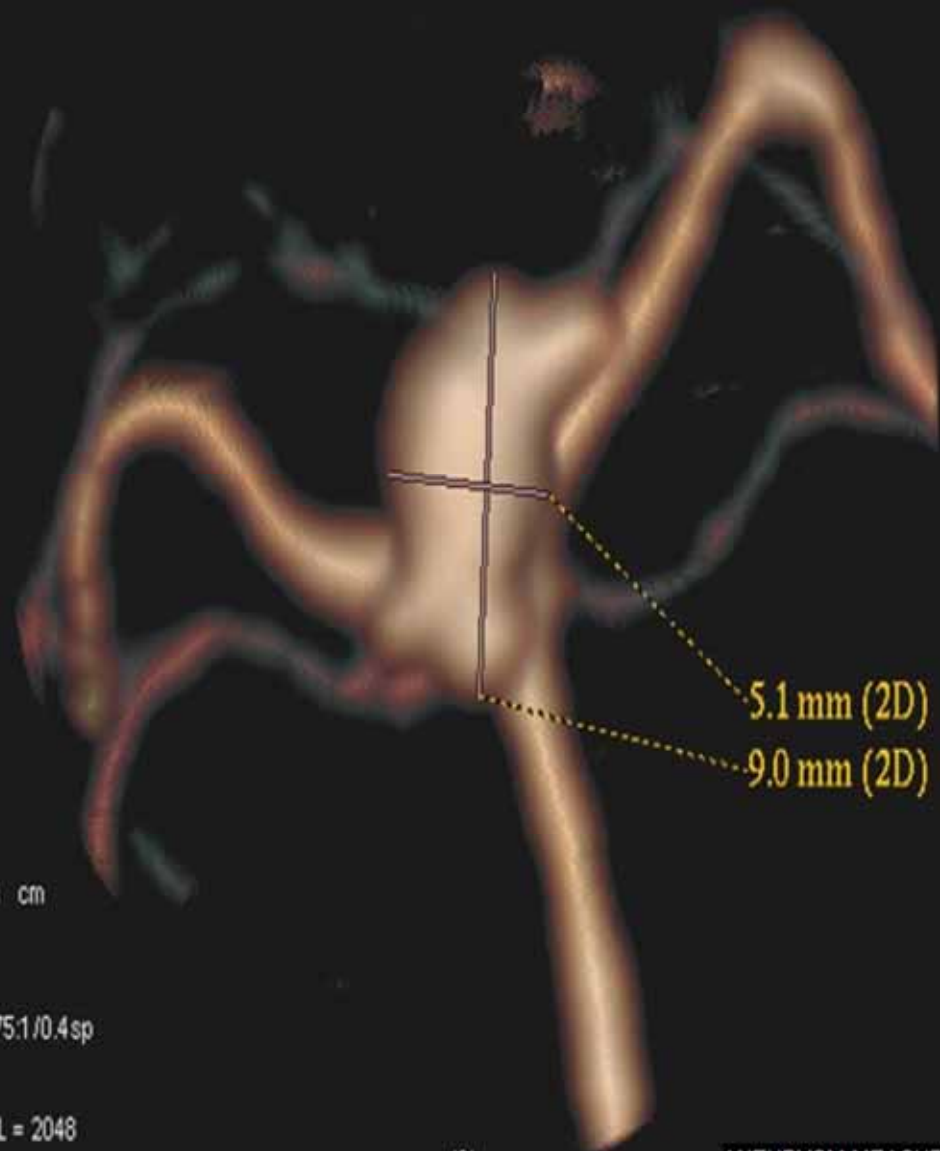
18369

DFOV 3.1cm

SOFT+A

L
A
S

R
P
I



5.1 mm (2D)

9.0 mm (2D)

Shutter 3.1 cm

0.6mm 1.375:1 / 0.4 sp

W:309

C:121 395 L = 2048

Zoom:1.1

IPL

ST: 0.0

ANEURYSM MEASUREMENTS

Current

ACC:E0508896

14-06-62

19-08-13

11:39

Ex: Aug 19 2013

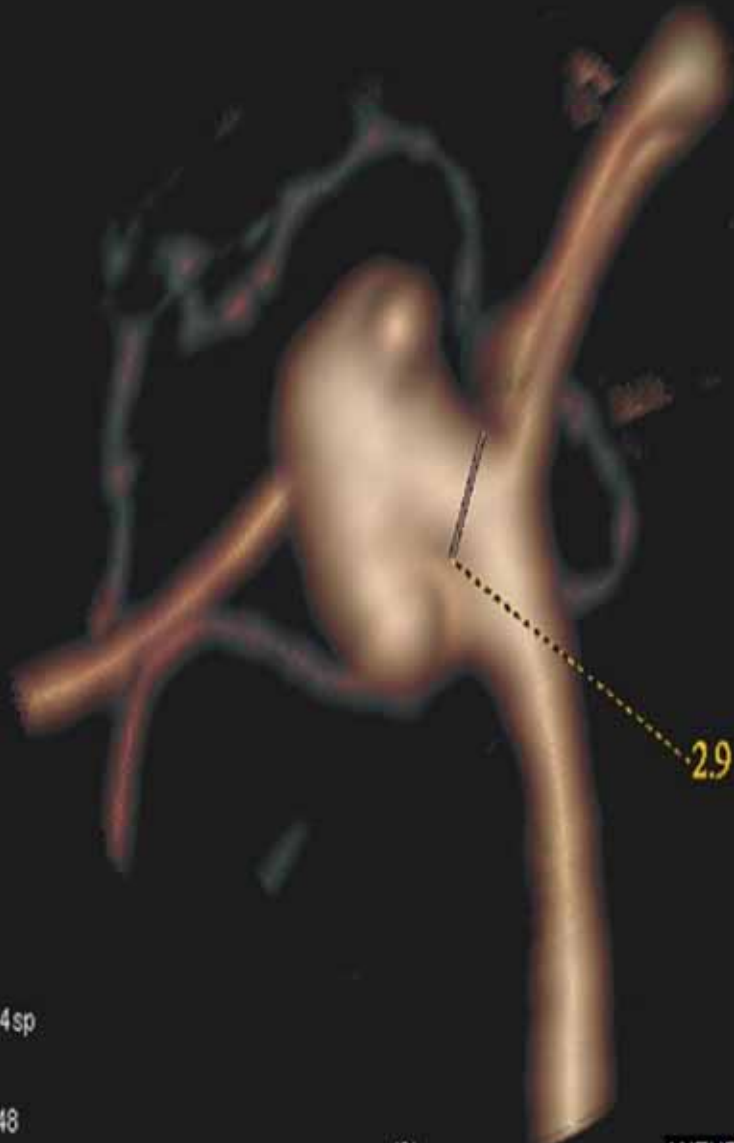
18370

DFOV 3.1cm

SOFT+A

P
S
L

A
I
R



2.9 mm (2D)

Shutter 3.1 cm

0.8mm 1.375:1/0.4sp

W:320

C:124 395 L = 2048

Zoom:1.1

IPL

ST: 0.0

ANEURYSM MEASUREMENTS



Thank You For Your
Attention