

***EMBOLIZATION OF AVM :  
DAM-BEAVER TECHNIQUE***

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**MADRID -ESPAÑA**

# ***DAM-BEAVER TECHNIQUE***

# ***DAM-BEAVER TECHNIQUE***

Double microcatheter

0021-0027 fiber coils or UNO

apollo 3 cm

First place the barrier

Second inject the Glue or Onix

# ***DAM-BEAVER TECHNIQUE***

Diferences with cook pressure

Allow use in large feeders avoid the risk migration of liquid coils

Partial occlusion test

Diferences with Scepter ballon

The glue or onix can stuck with ballon

# *ONIX versus SQUID versus PHILL*

Management of SQUID similar to ONIX

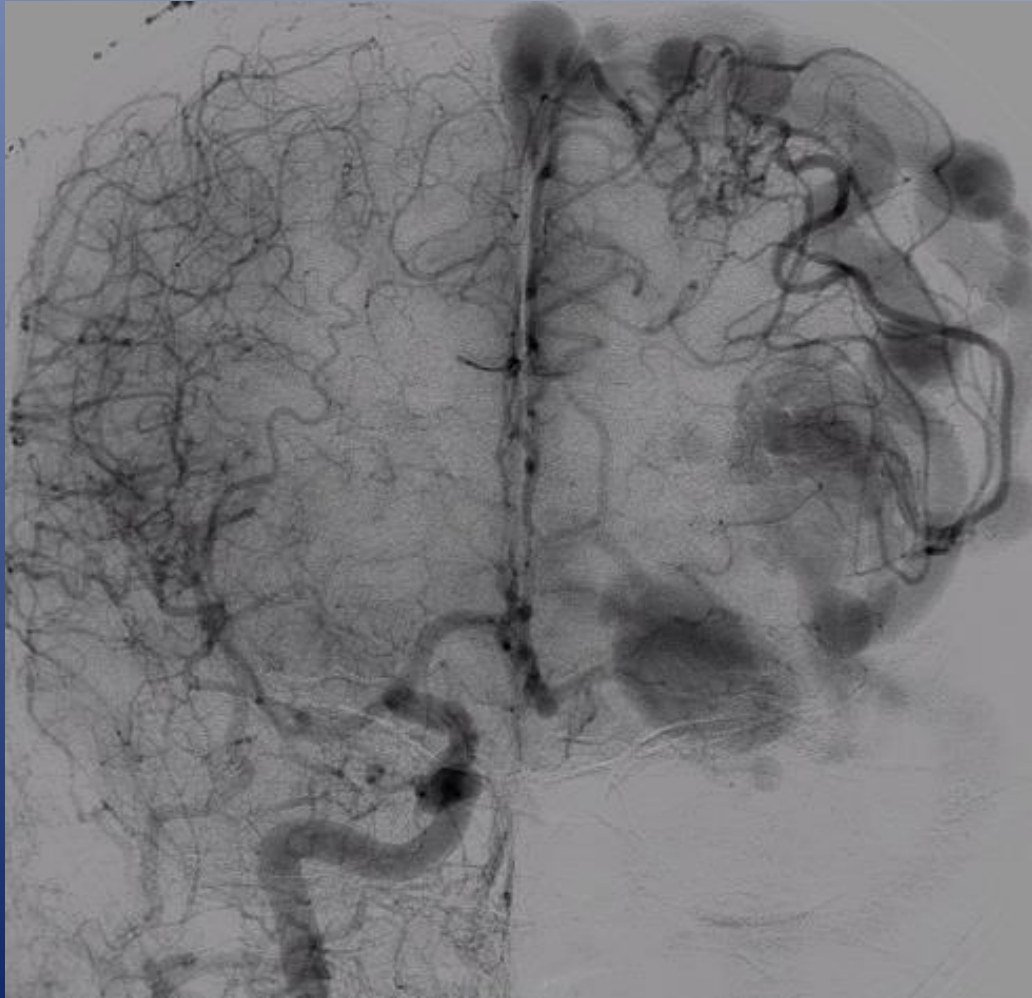
Management of PHILL similar to ONIX

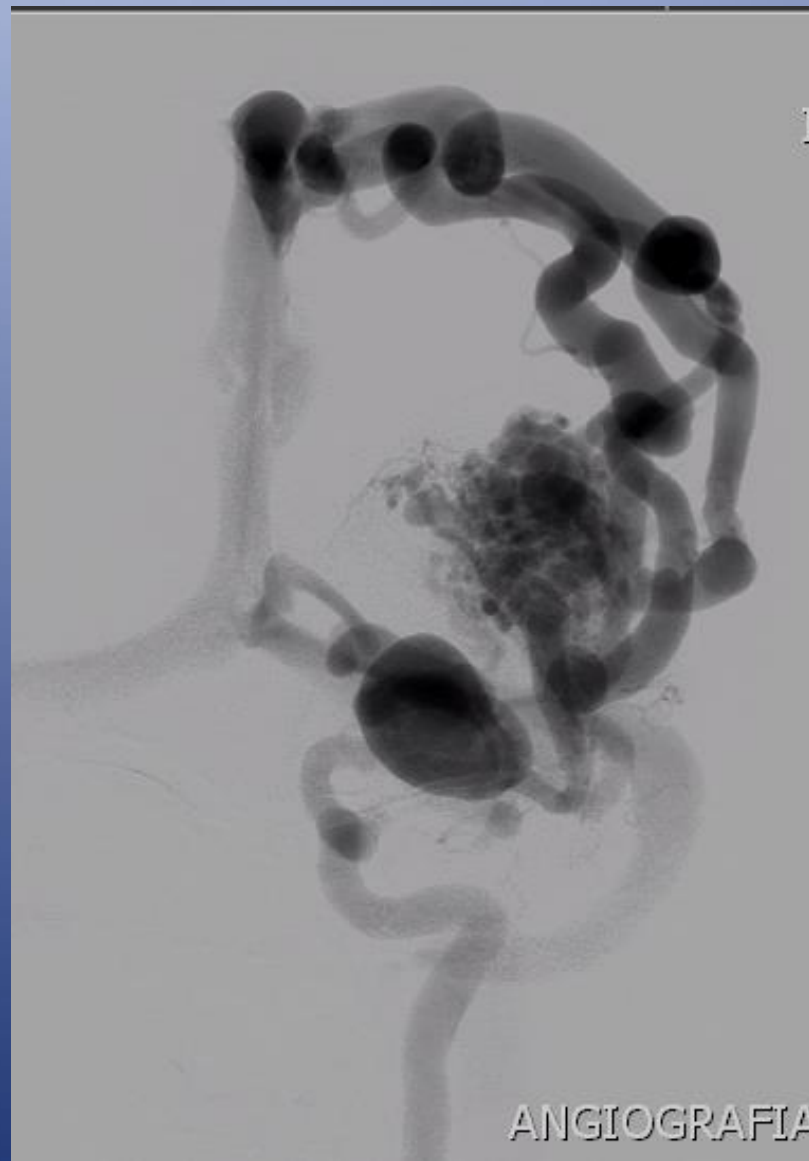
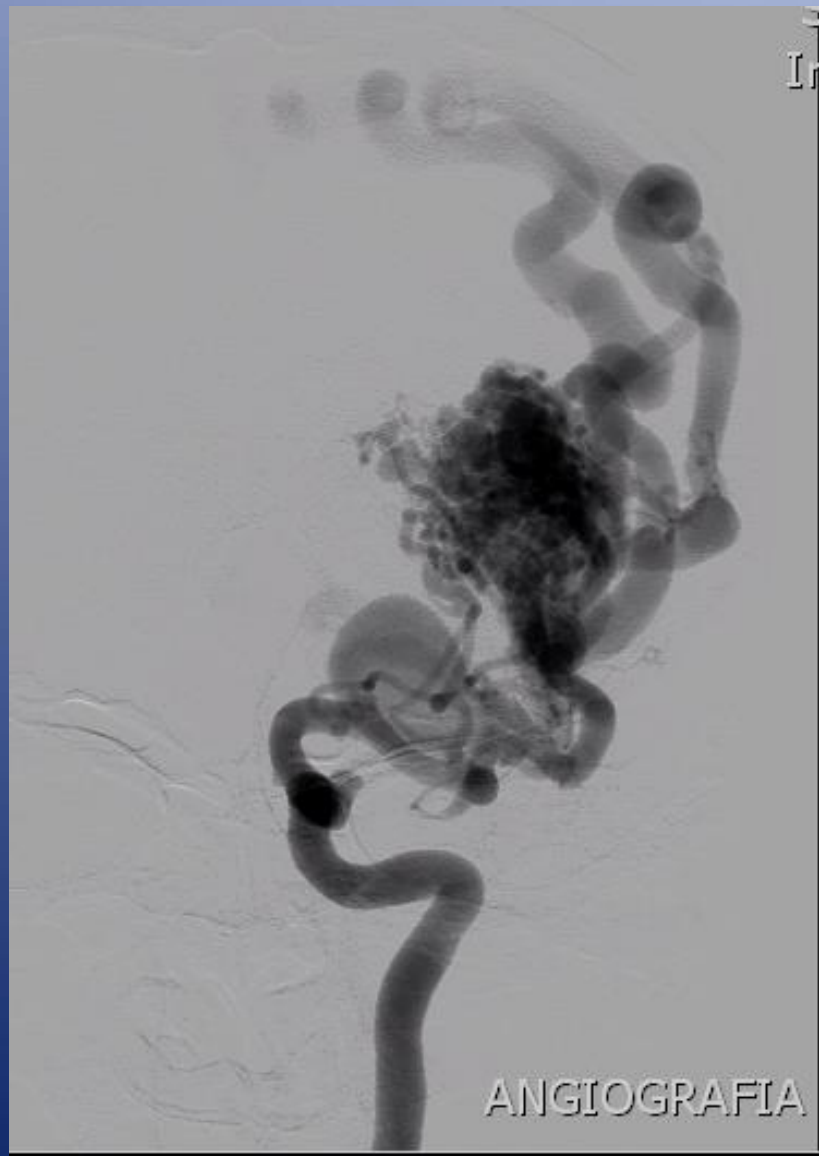
( only less opacity )

CAST of NIDUS

ONIX similar SQUID

PHILL to ONIX less density and artephact







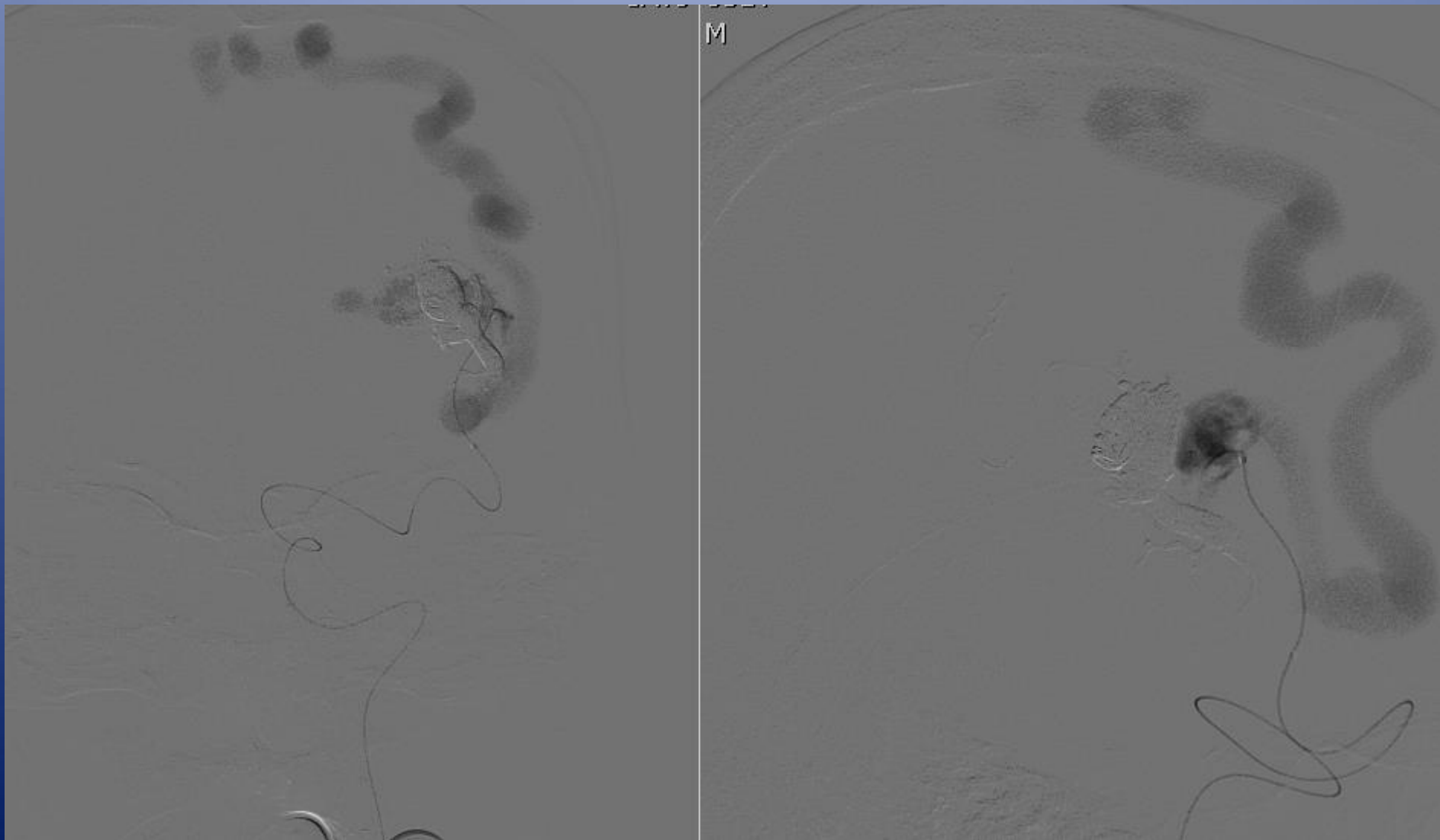
EMBOLIZACION SUPRASELECTIVA



EMBOLIZACION SUPRASELE

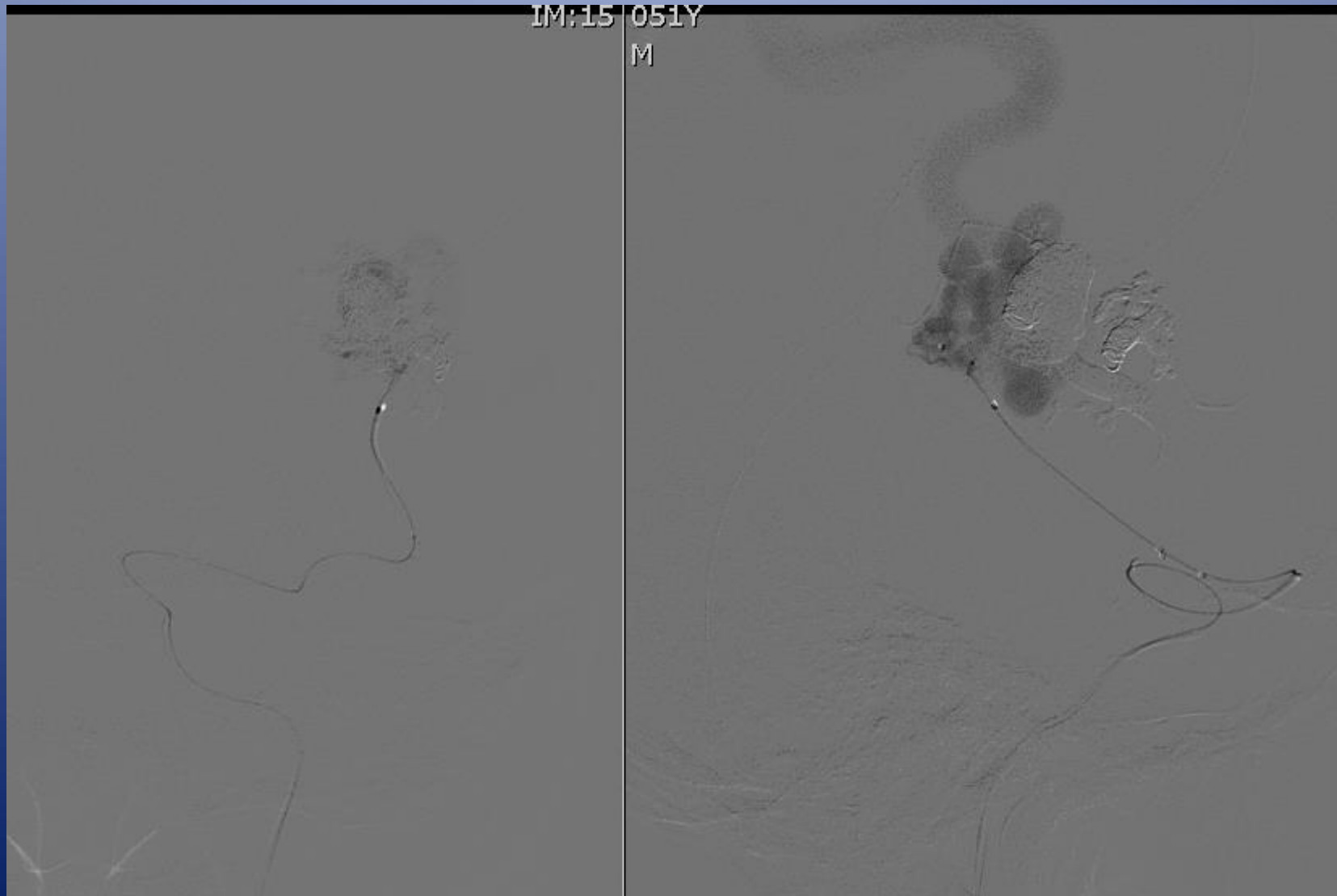


# ***2ND EMB 30-05-13***

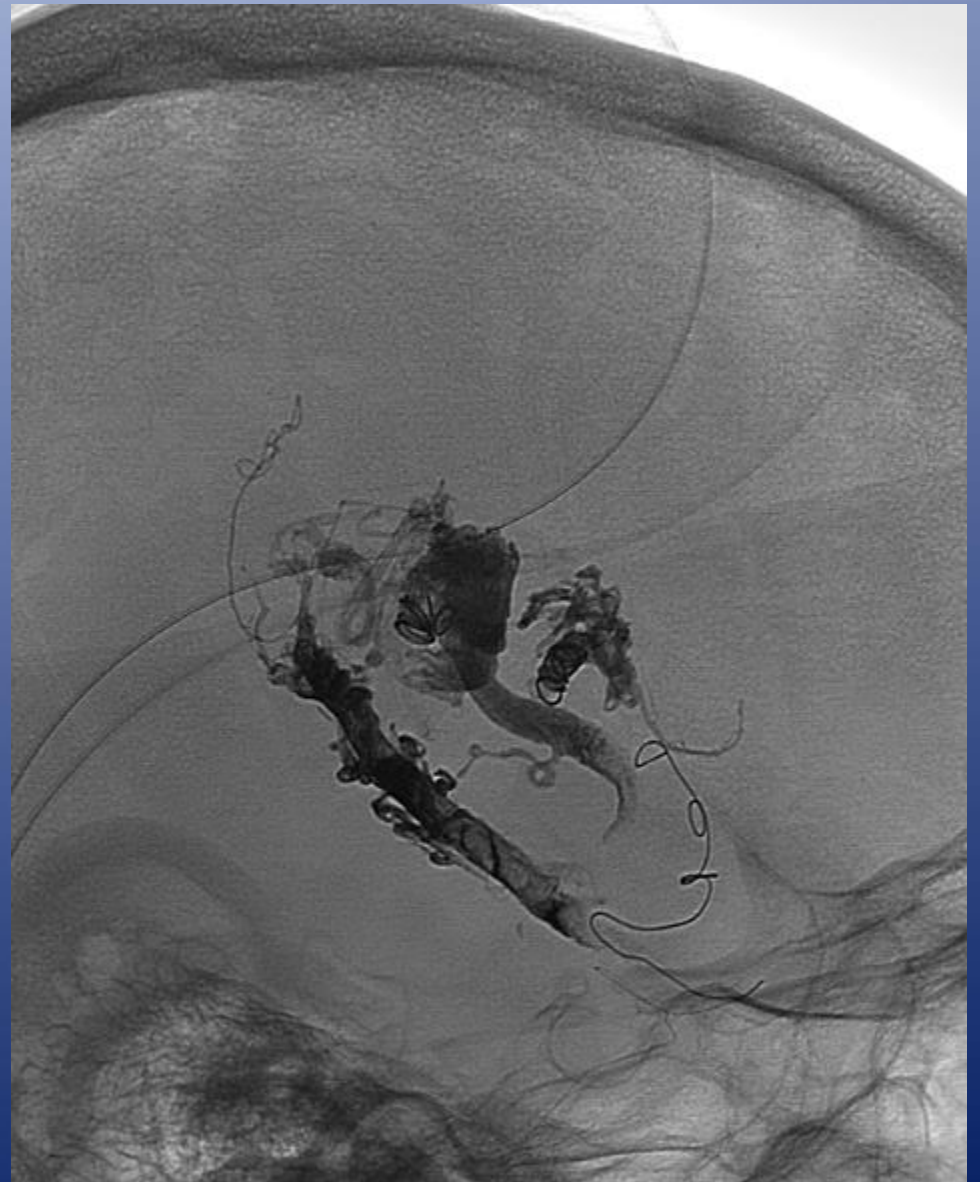


# 3RD EMB 20 06 13

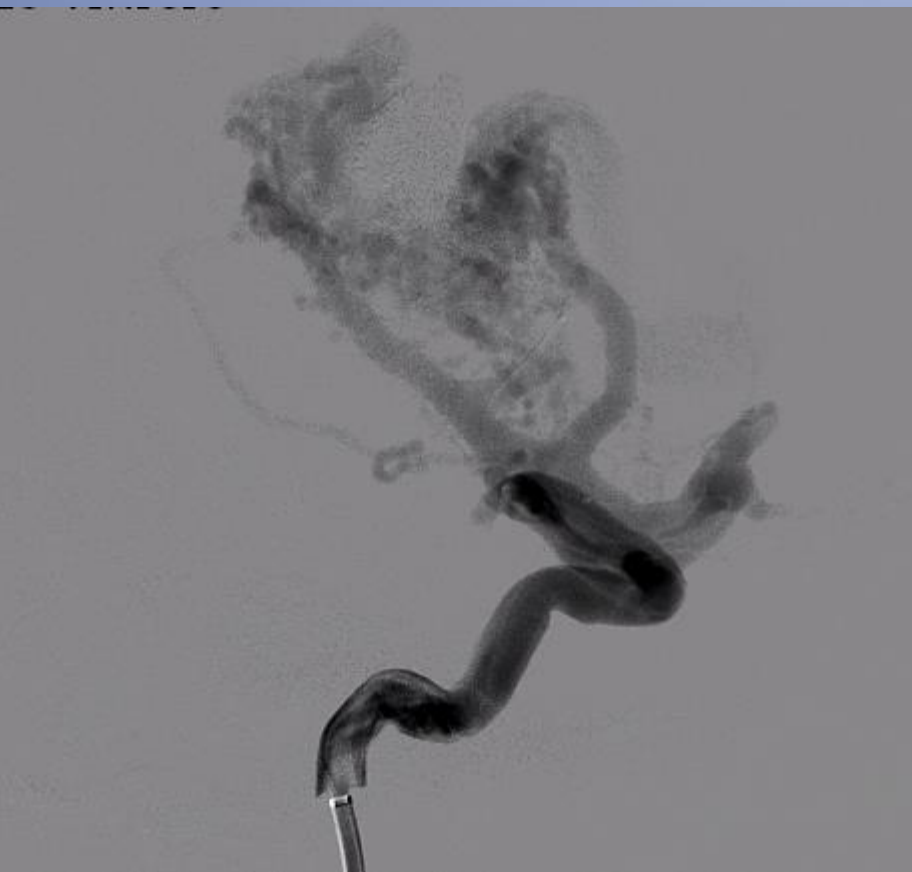
IM:15 051Y  
M



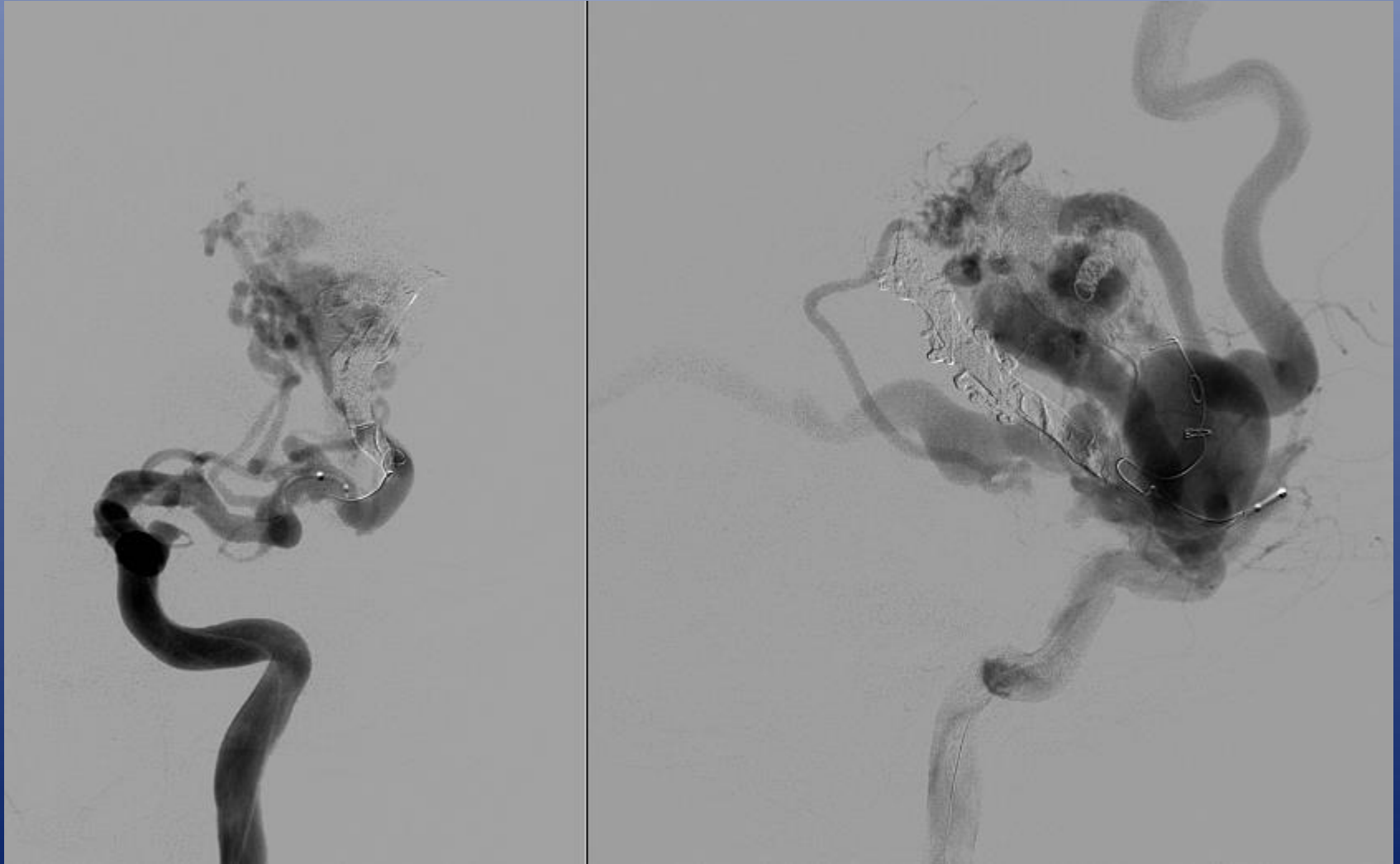
# 3RD EMB 20 06 13



V, GALO VINICIO

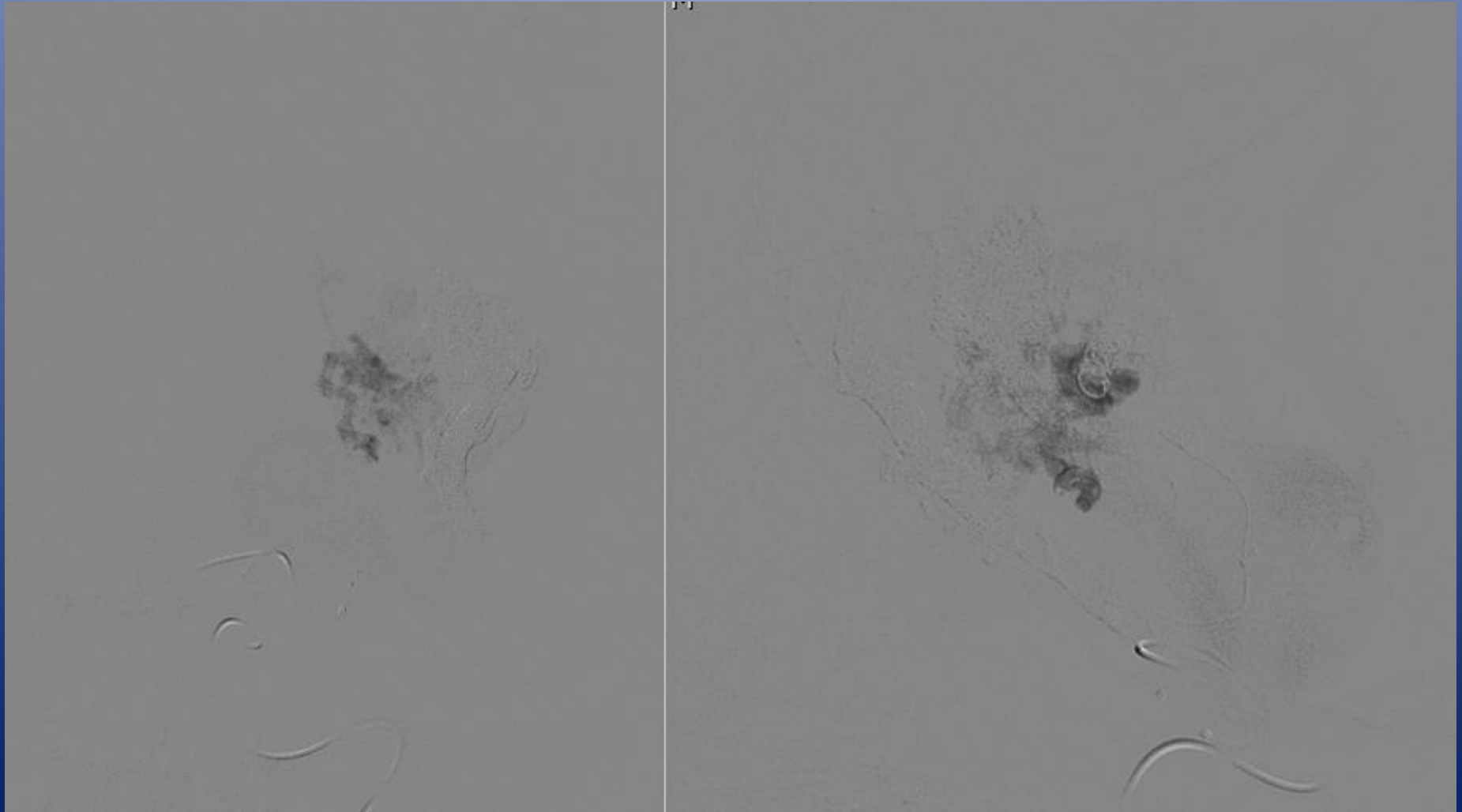


# 3RD EMB 20 06 13

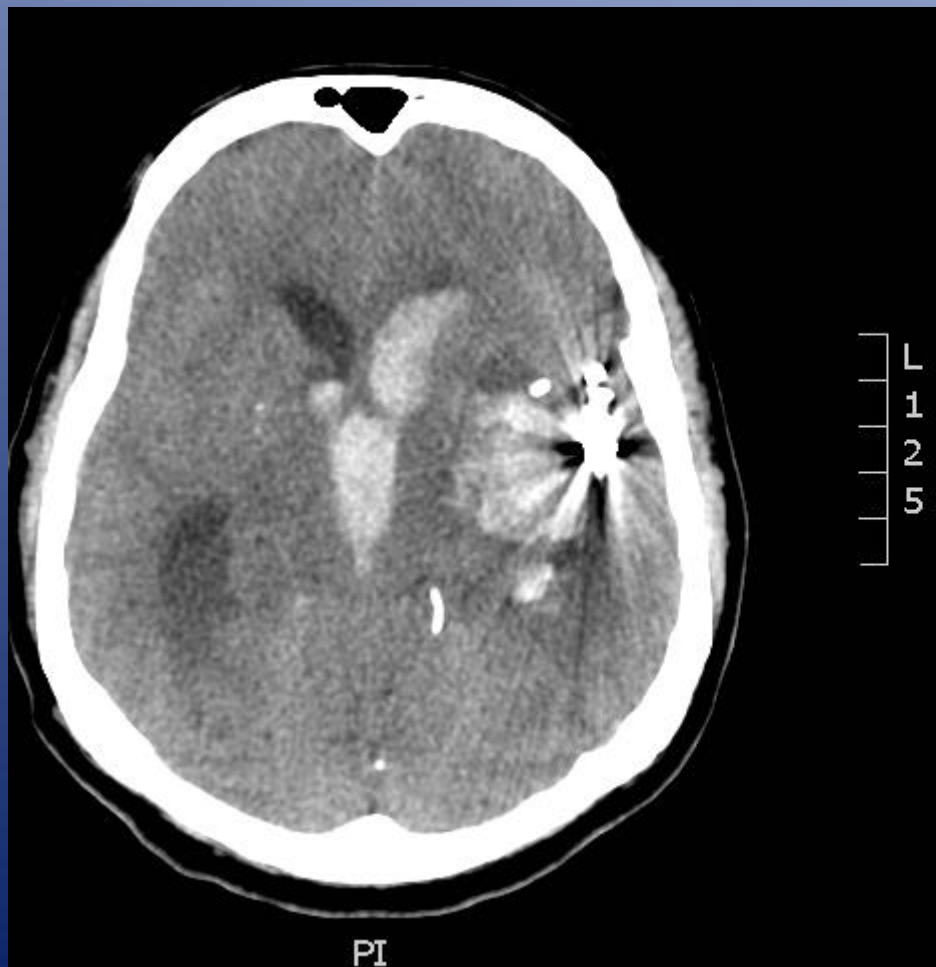




# 4TH EMB ONIX 12-09-13

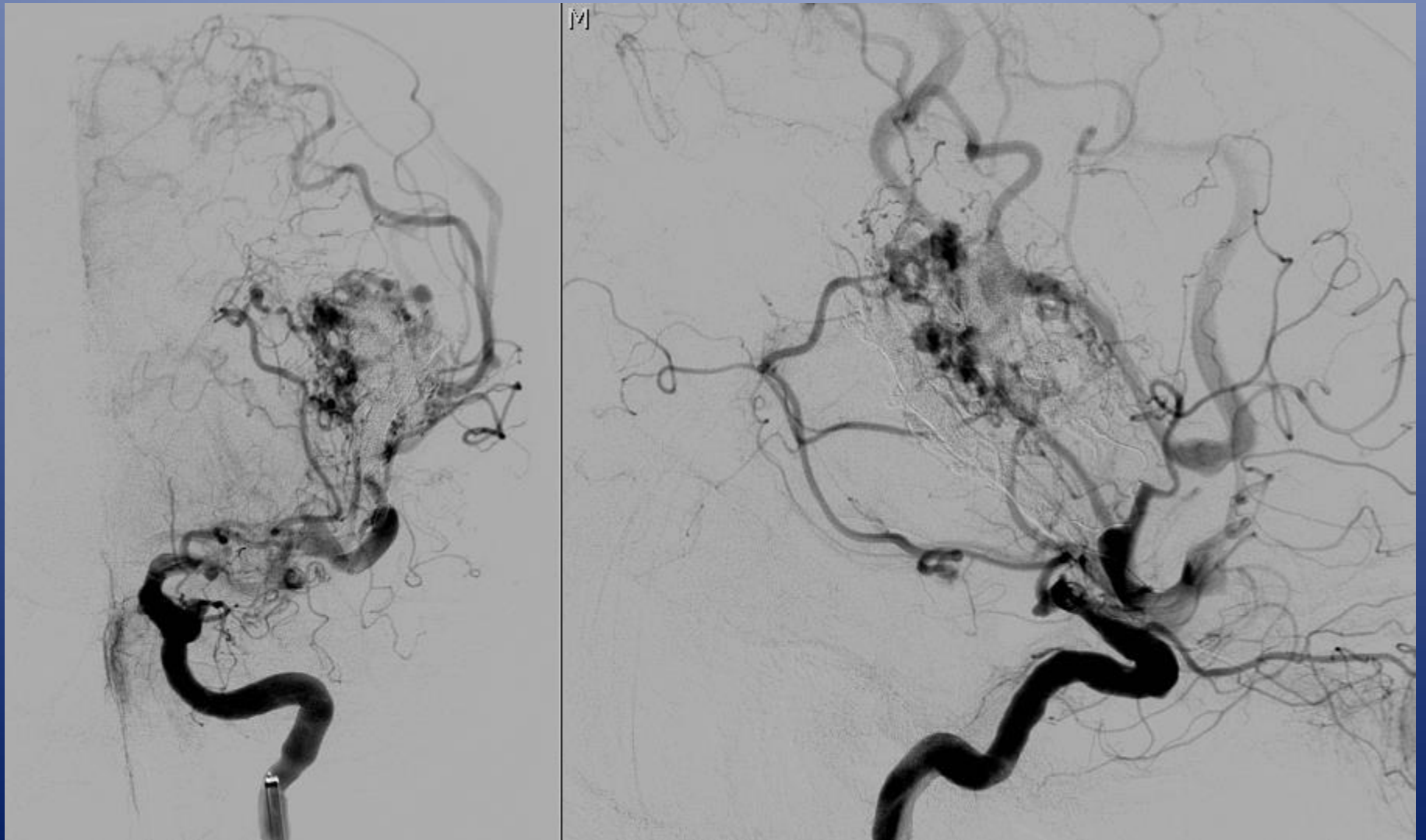


# ***BLEEDIND 20-11-15***





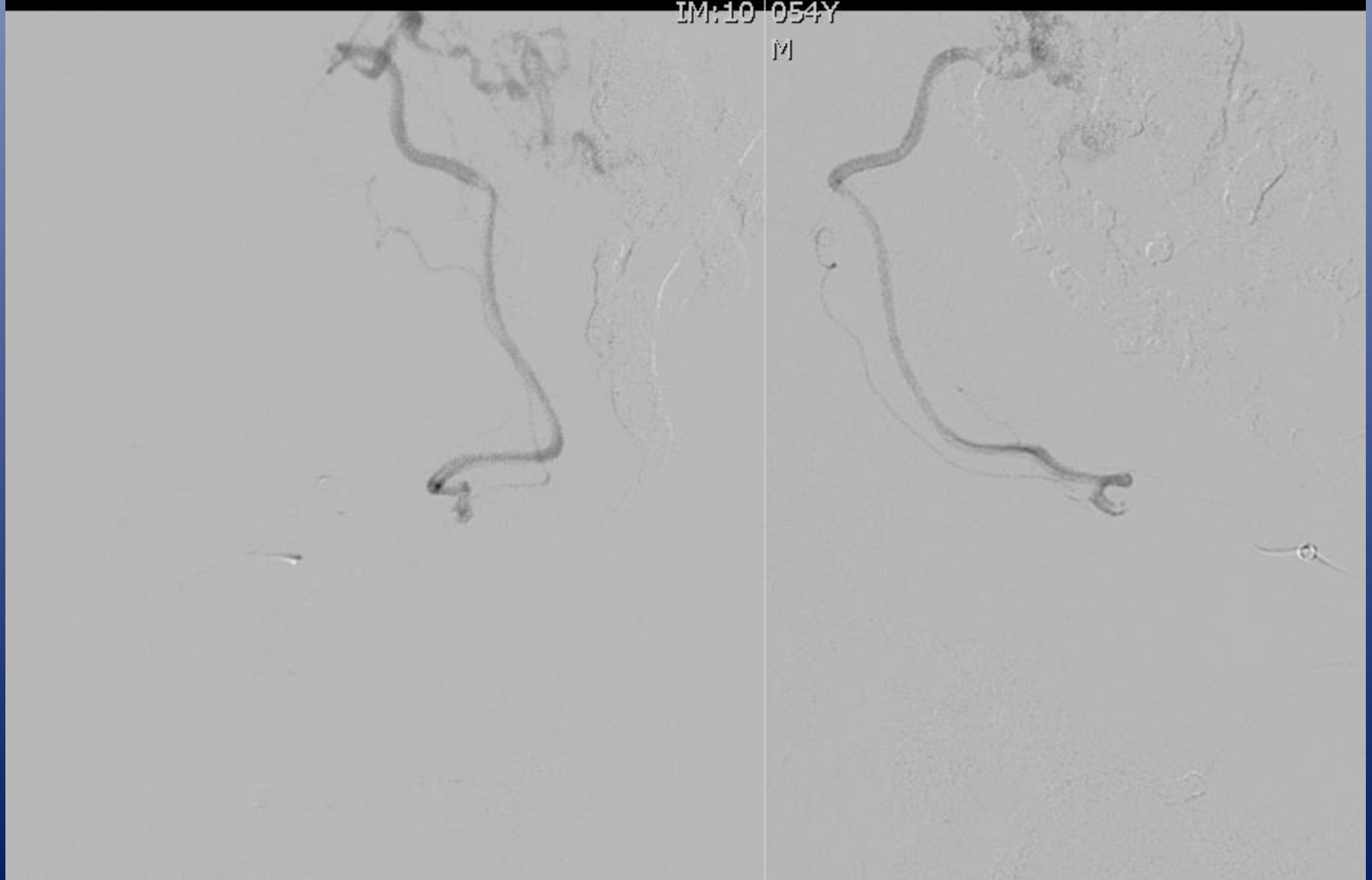
# 5TH EMB COROIDAL 22-11-15



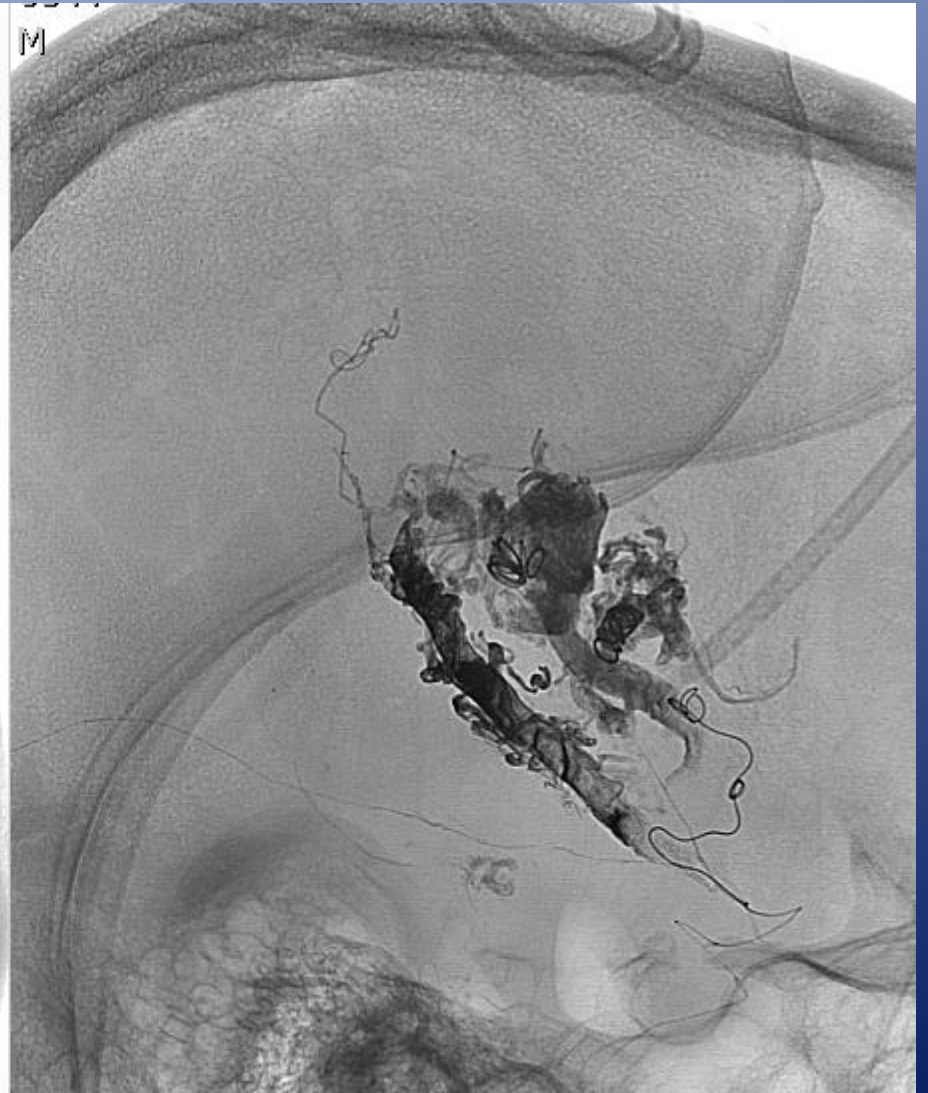
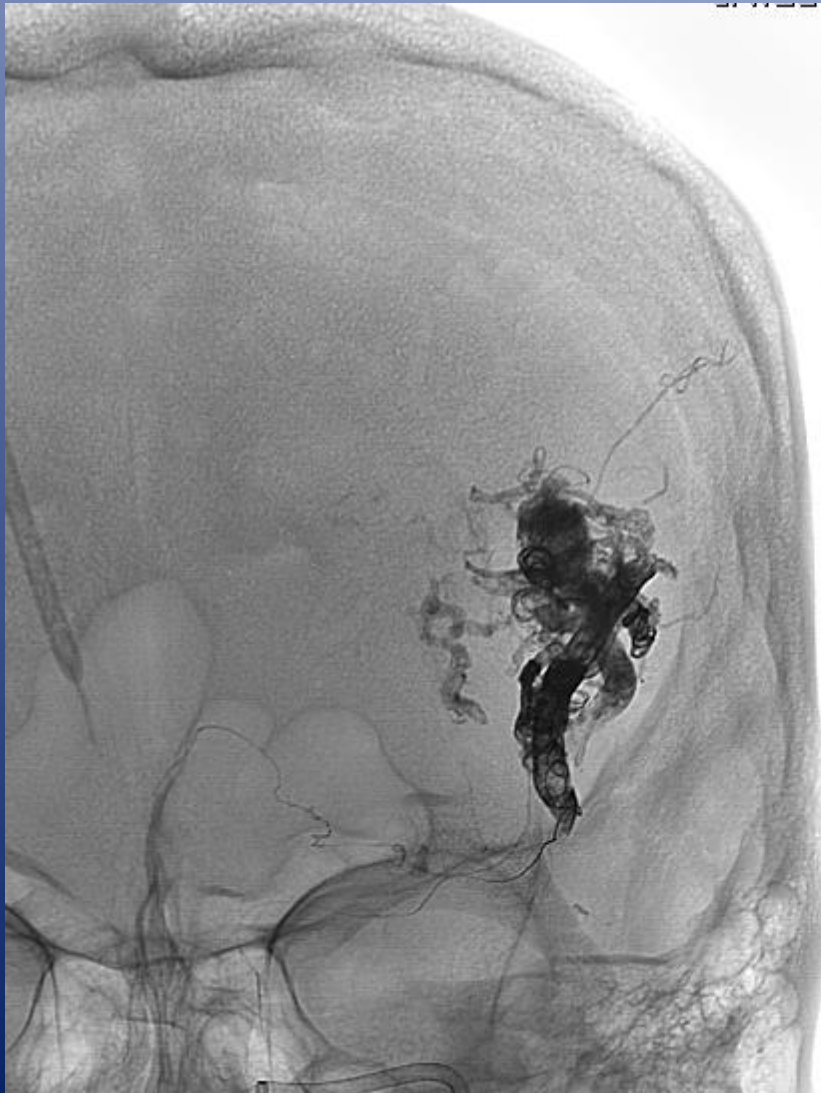
# 5TH EMB COROIDAL 22-11-15

IM:10 054Y

M



# 5TH EMB COROIDAL 22-11-15



***2 MICROCATETER***

***apollo 3cm***

***magic/SL10***

***1 COIL***

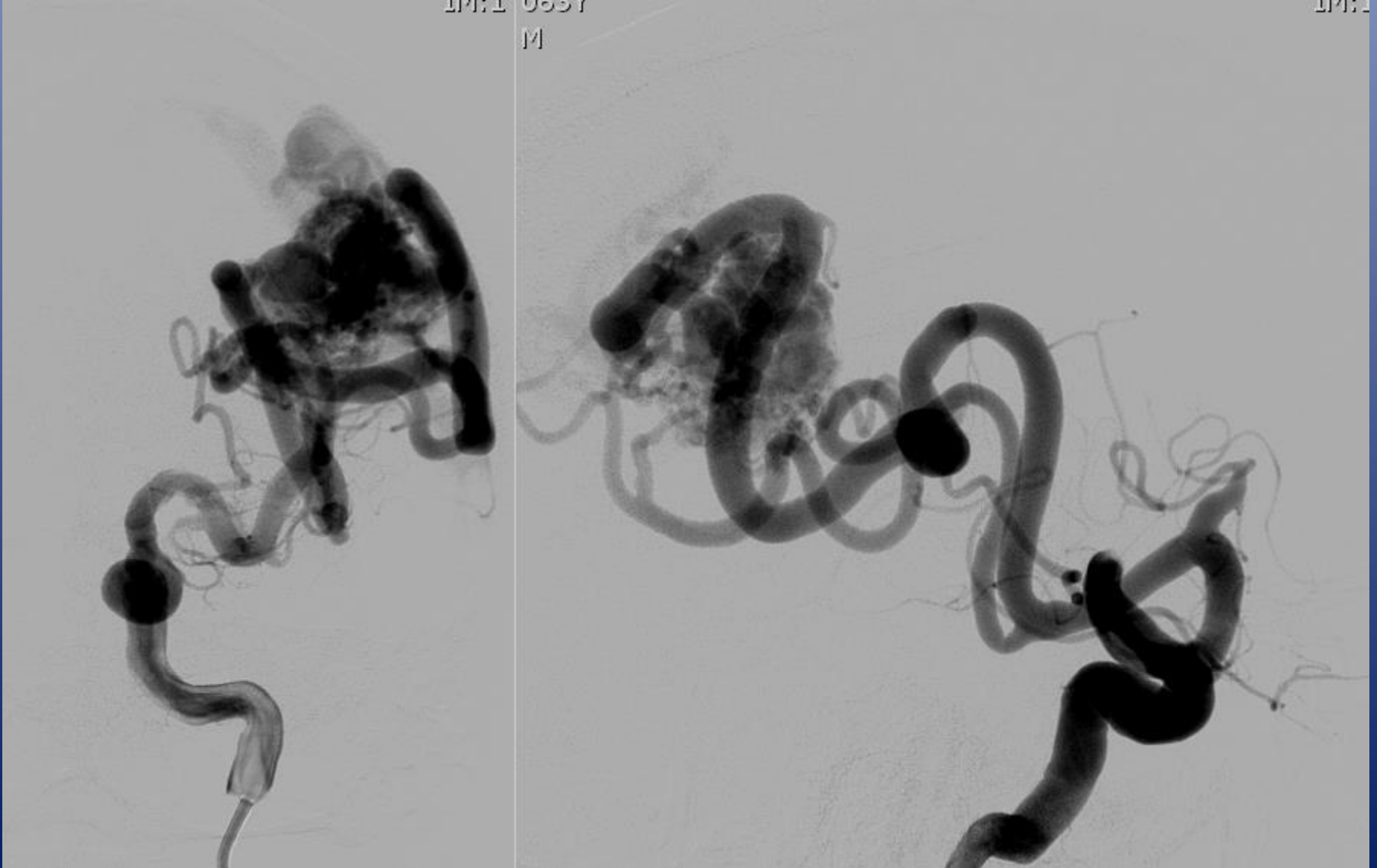
***2 gluebran***

***3 onix***

17111 0601

M

17111



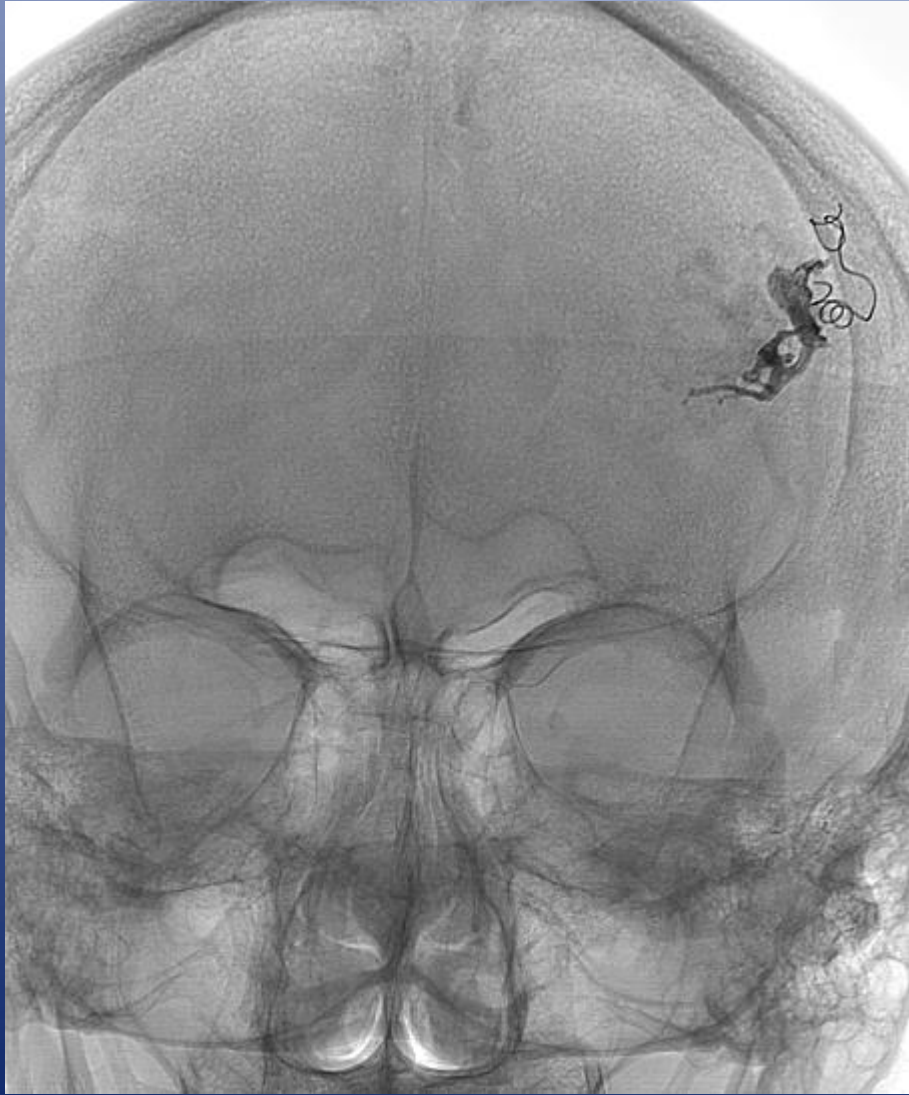


IM:10 063Y

M

IM:







25-11-15



952

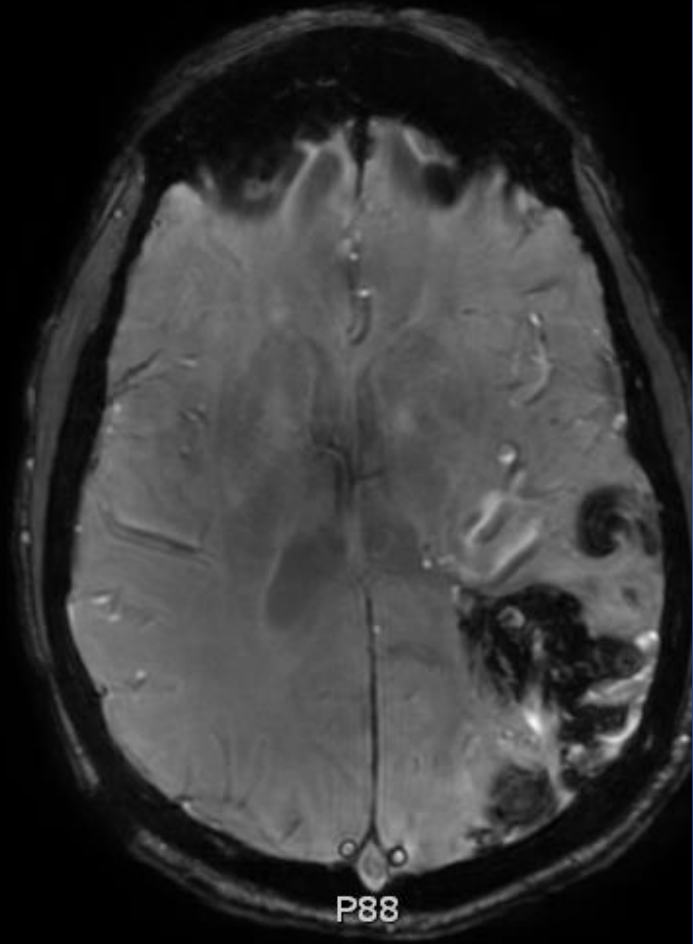
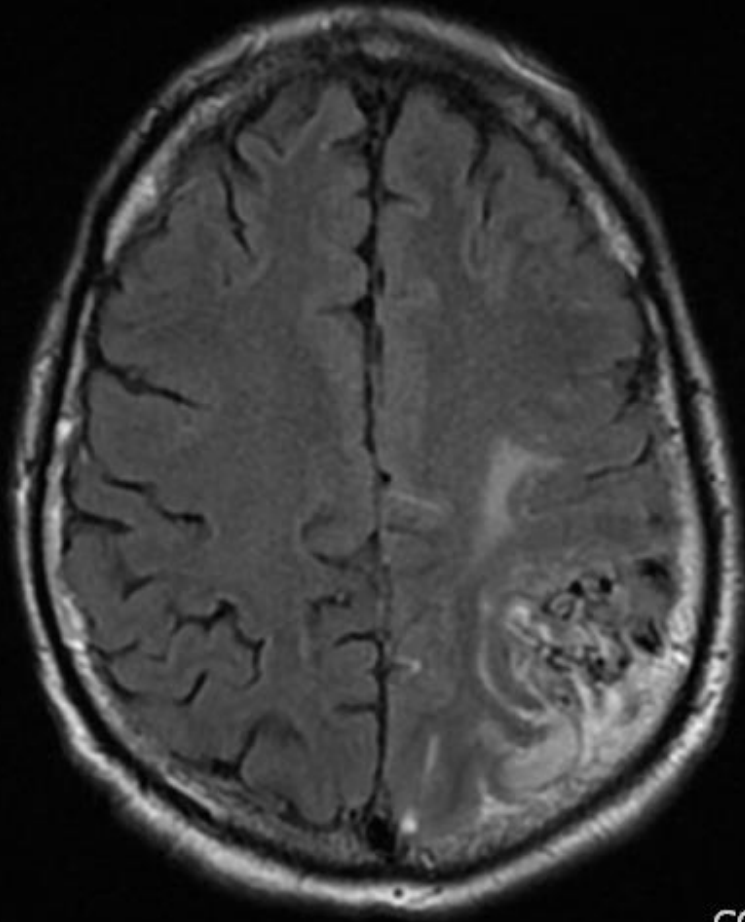
SE:5 12/08/1952

IM:24 063Y

M  
70

AS

A152



L R  
1 1  
1 1  
3 7

PI

P88

CONTRAST:

EC:1

DFOV:220

5thk/

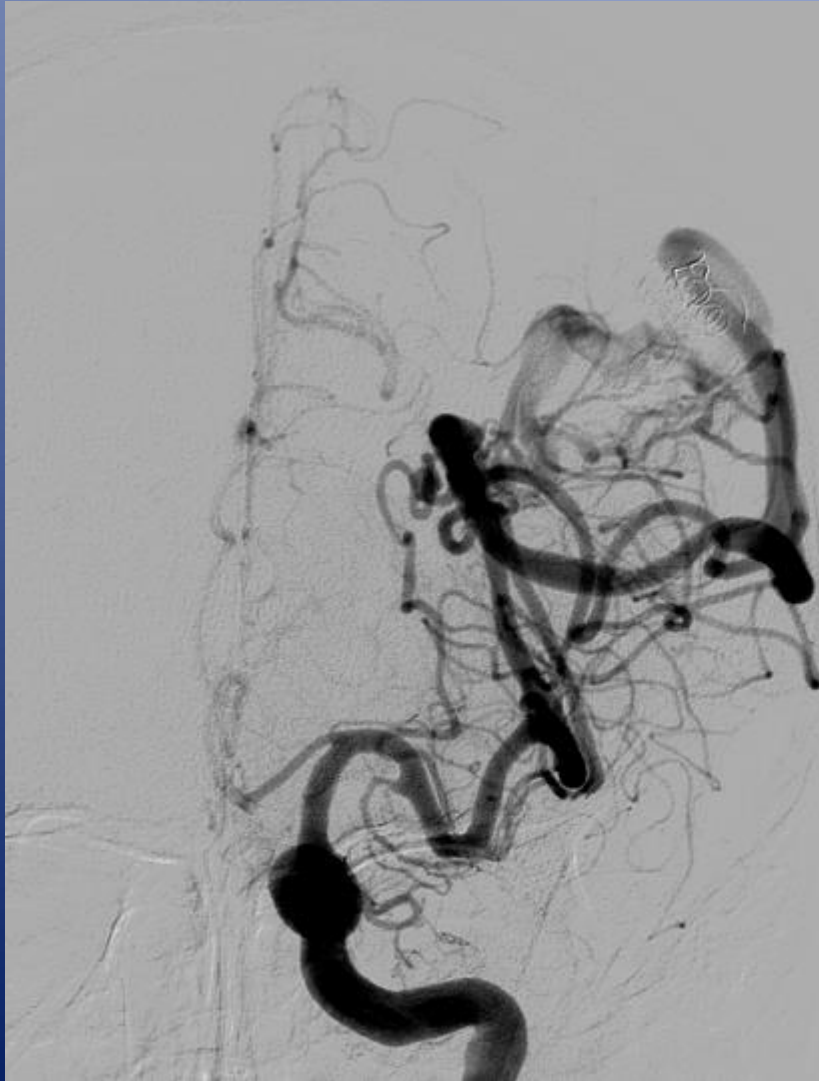
Ax 3D SWAN

RM DE CEREBRO SIN CONTRASTE

FLAIR  
CEREBRO SIN CONTRASTE

08-12-15

14



***2 MICROCATETER***

***apollo 3cm***

***magic/SL10***

***1 onix and reflux 2cm***

***2 gluebran***

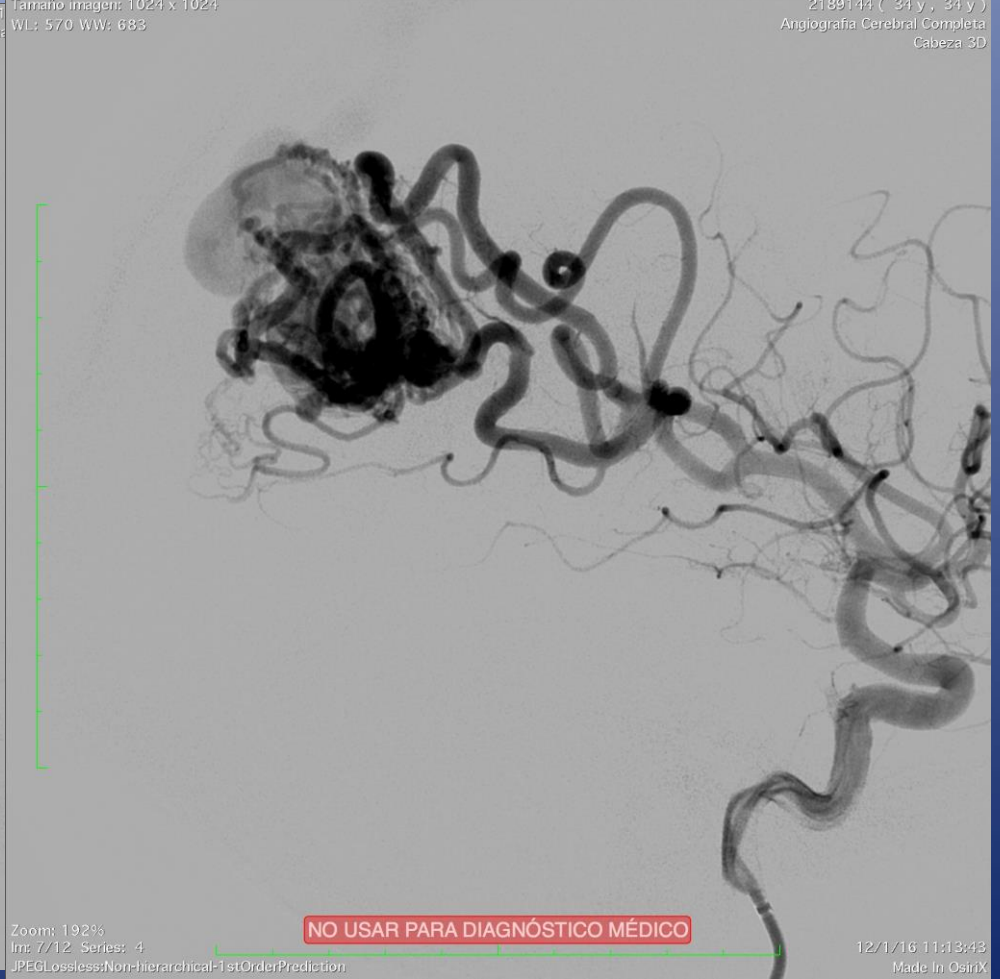
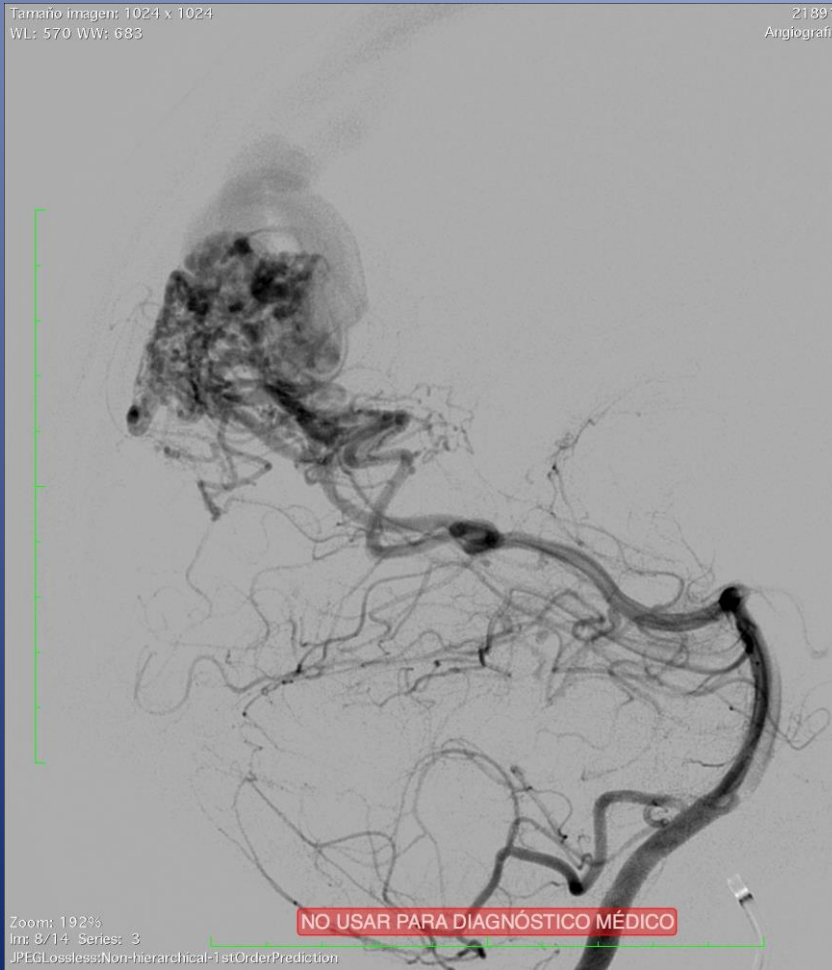
***3 onix***

Tamaño imagen: 1024 x 1024  
WL: 570 WW: 683

21891  
Angiografía

Tamaño imagen: 1024 x 1024  
WL: 570 WW: 683

2189144 ( 31 y, 31 y )  
Angiografía Cerebral Completa  
Cabeza 3D



Tamaño imagen: 904 x 904  
WL: 127 WW: 255

2189144 ( 34 y , 34 y )  
Angiografía Cerebral Completa

**Tabla movida. Compruebe alineación**



**Compensación automática de movimiento activa  
y puede que el resultado no sea preciso**

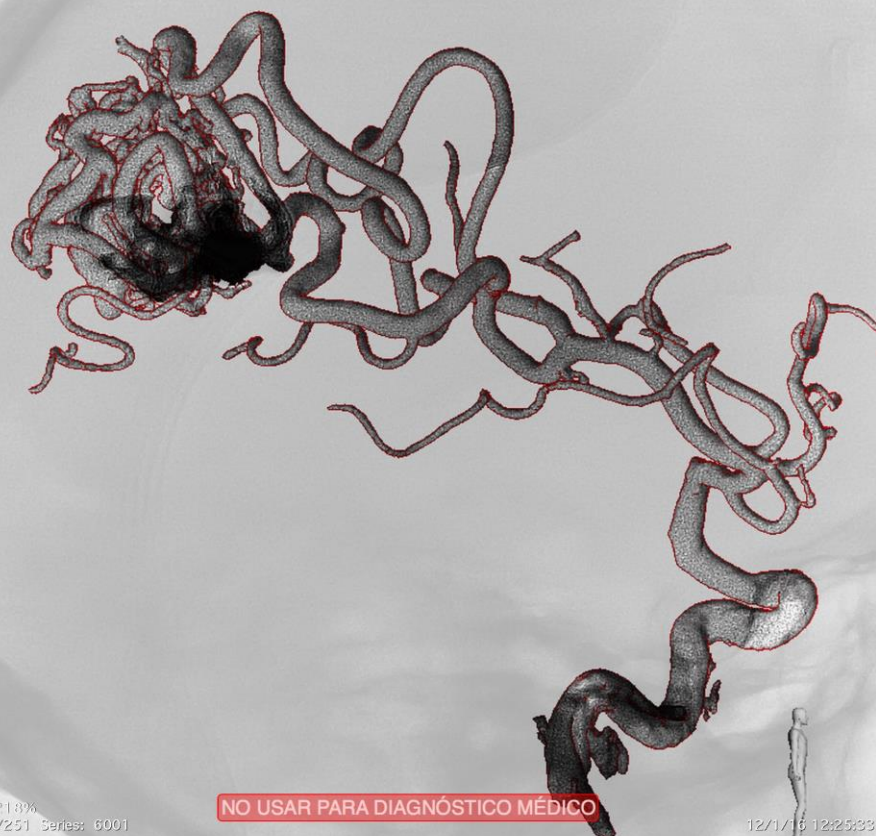
**NO USAR PARA DIAGNÓSTICO MÉDICO**

Zoom: 217%  
Irr: 4/4 Series: 6001  
RLELossless

12/1/18 11:49:27  
Made In OsiriX

Tamaño imagen: 876 x 903  
WL: 127 WW: 255

2189144 ( 34 y , 34 y )  
Angiografía Cerebral Completa



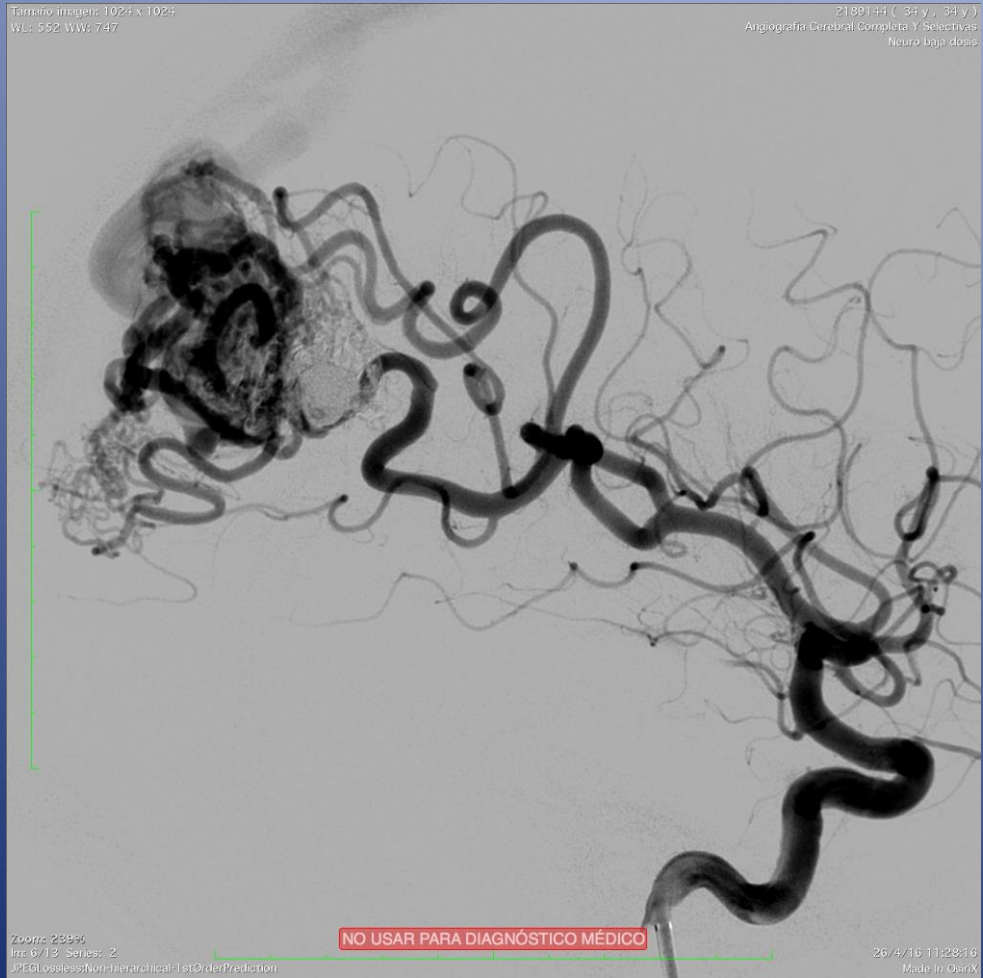
**NO USAR PARA DIAGNÓSTICO MÉDICO**

Zoom: 218%  
Irr: 210/251 Series: 6001  
RLELossless

12/1/18 12:25:33  
Made In OsiriX

Tamaño imagen: 1024 x 1024  
WL: 562 WW: 747

2189144 ( 34 y , 34 y )  
Angiografía Cerebral Completa Y Selectivas  
Neuro baja dosis



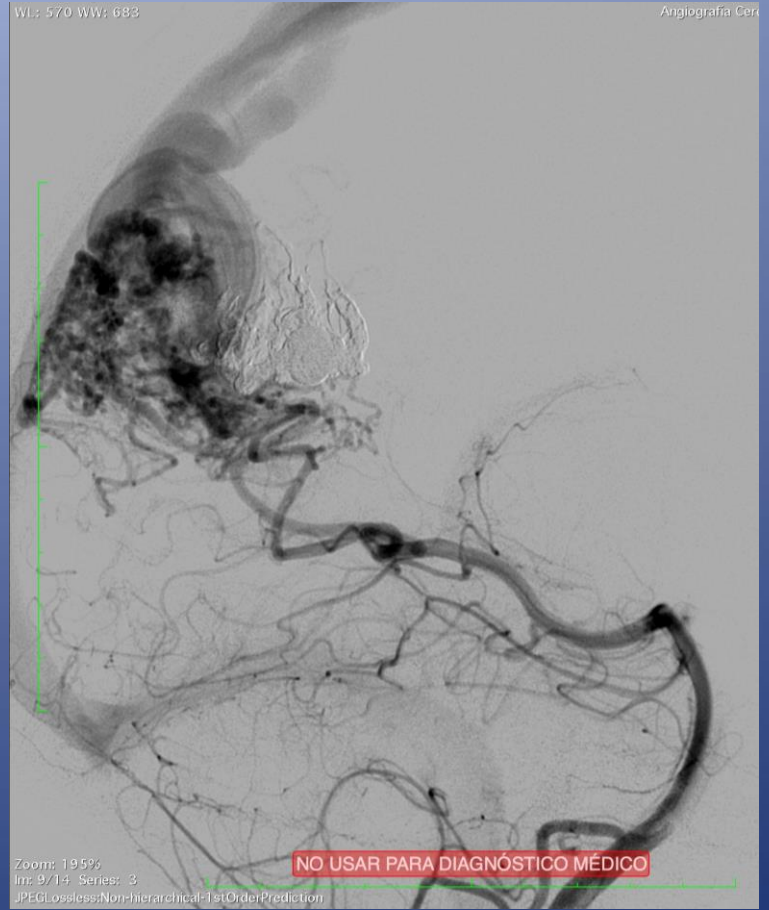
**NO USAR PARA DIAGNÓSTICO MÉDICO**

Zoom: 239%  
Im: 6/13 Series: 2  
JPEG.Lossless/Non-hierarchical-1stOrderPrediction

26/4/16 11:28:16  
Made In OsiriX

WL: 570 WW: 683

Angiografía Cer

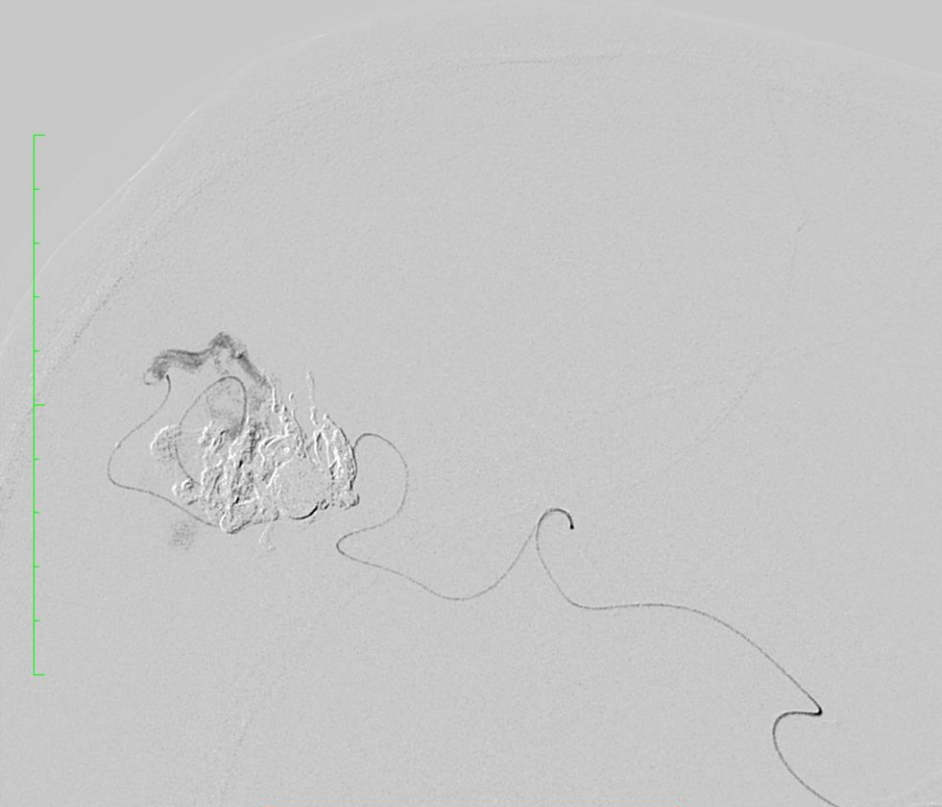


**NO USAR PARA DIAGNÓSTICO MÉDICO**

Zoom: 195%  
Im: 9/14 Series: 3  
JPEG.Lossless/Non-hierarchical-1stOrderPrediction

Tamaño imagen: 1024 x 1024  
WL: 613 WW: 273

2189144 ( 34 y , 34 y )  
Angiografía Cerebral Completa Y Selectivas  
Neuro baja dosis



Zoom: 189%  
Im: 6/10 Series: 9  
JPEG Lossless: Non-hierarchical-FirstOrderPrediction

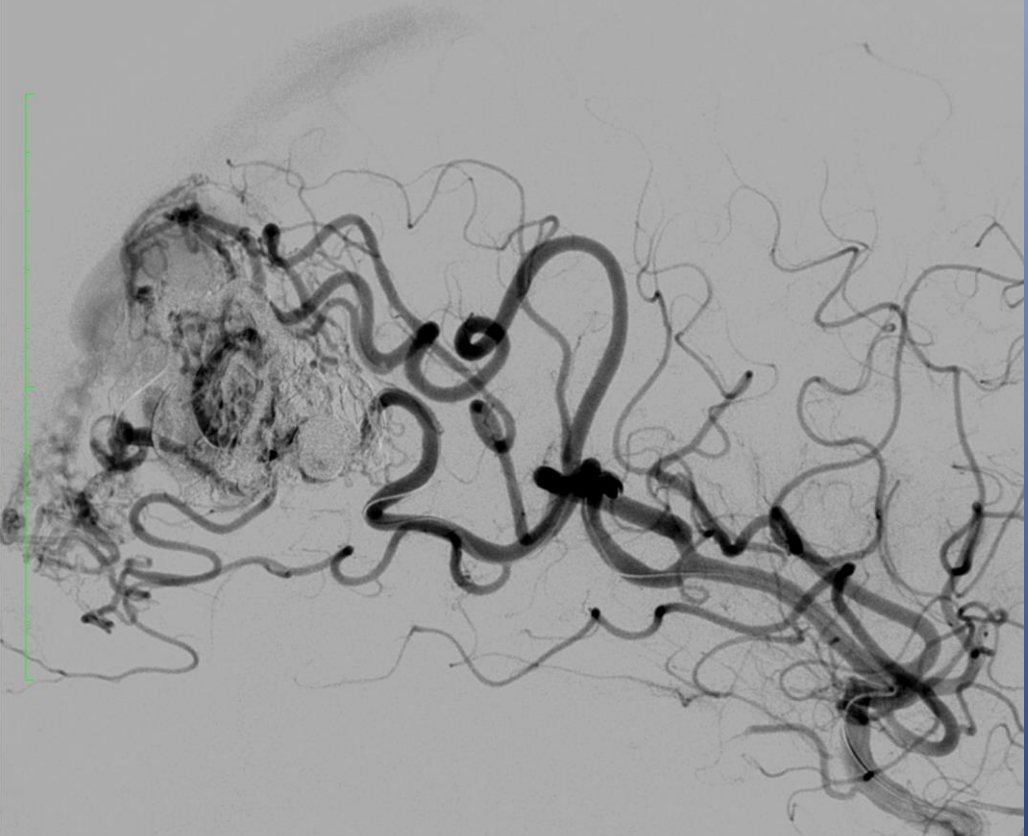
**NO USAR PARA DIAGNÓSTICO MÉDICO**

26/4/16 12:39:44  
Made In CsirX



Tamaño imagen: 1024 x 1024  
WL: 570 WW: 683

2189144 ( 34 y , 34 y )  
Angiografía Cerebral Completa: Y Selectivas  
Neuro baja dosis



Zoom: 239%  
Im: 8/14 Series: 18  
JPEGLossless:Non-hierarchical-1stOrderPrediction

**NO USAR PARA DIAGNÓSTICO MÉDICO**

26/4/16 13:23:11  
Made In OsiriX

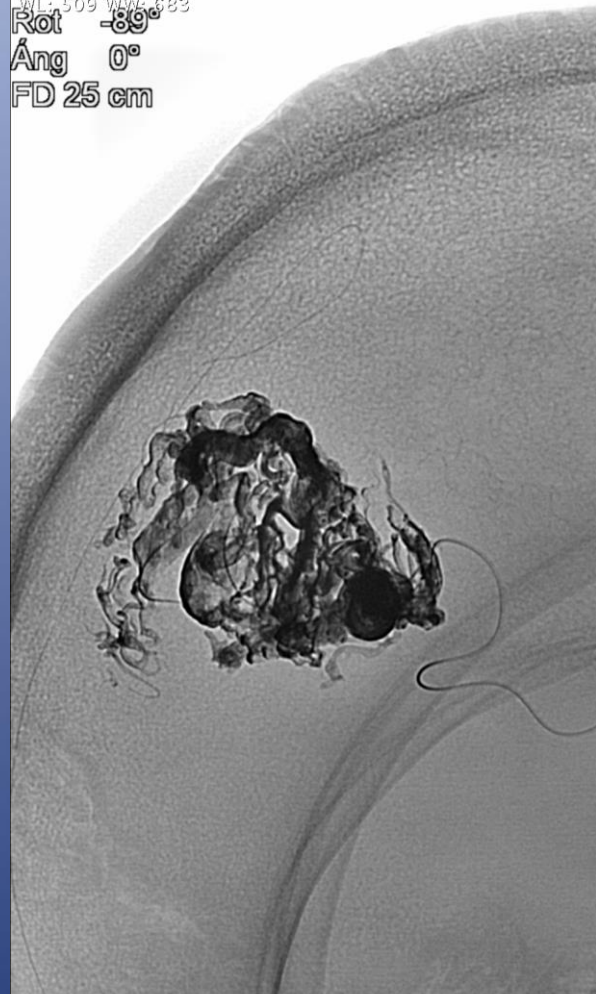
Tamaño imagen: 1024 x 1024

WL: 509 WW: 683

Rot -89°

Ang 0°

FD 25 cm



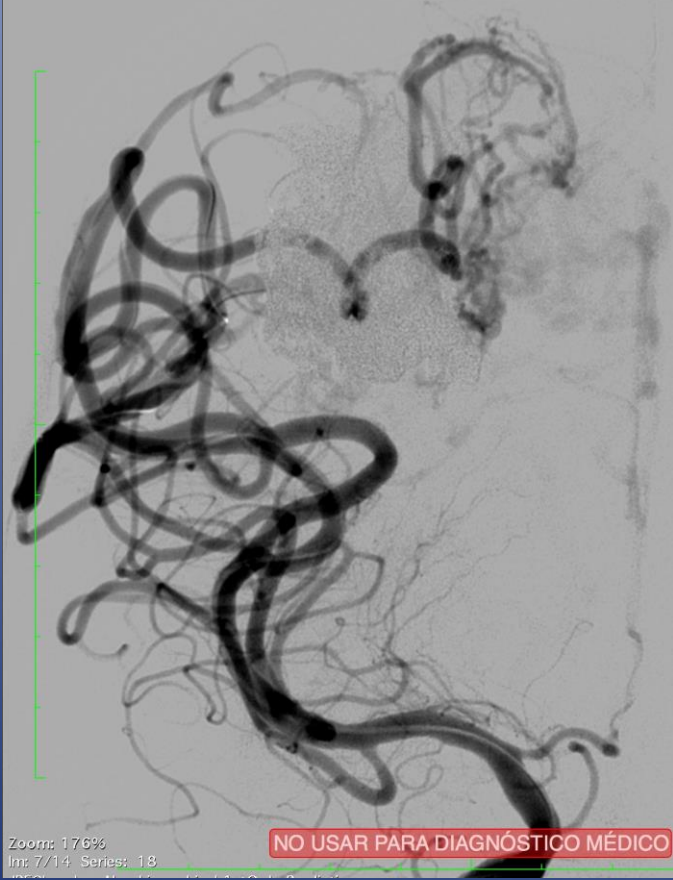
0:25

Zoom: 176%  
Im: 1/1 Series: 19

JPEGLossless:Non-hierarchical-1stOrderPrediction

**NO USAR PARA DIAGNÓSTICO MÉDICO**

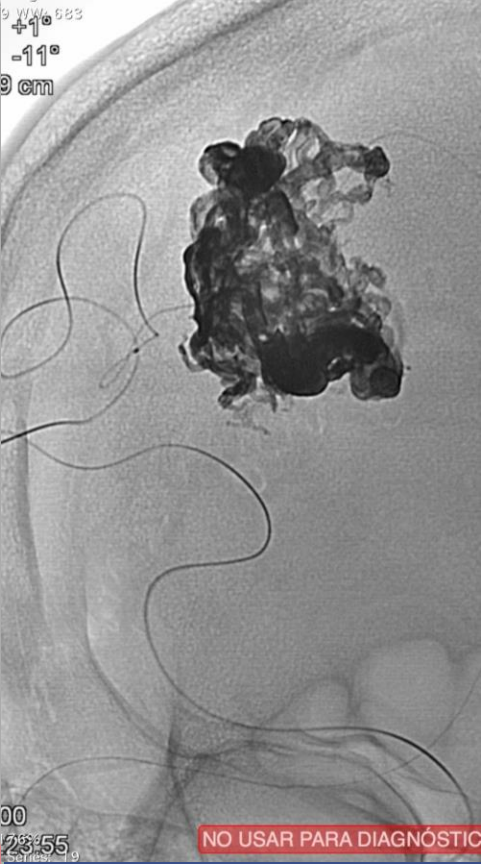
Tamaño imagen: 1024 x 1024  
WL: 570 WW: 683



Zoom: 176%  
Im: 7/14 Series: 18

**NO USAR PARA DIAGNÓSTICO MÉDICO**

Angio  
9 WW: 683  
+1°  
-11°  
9 cm

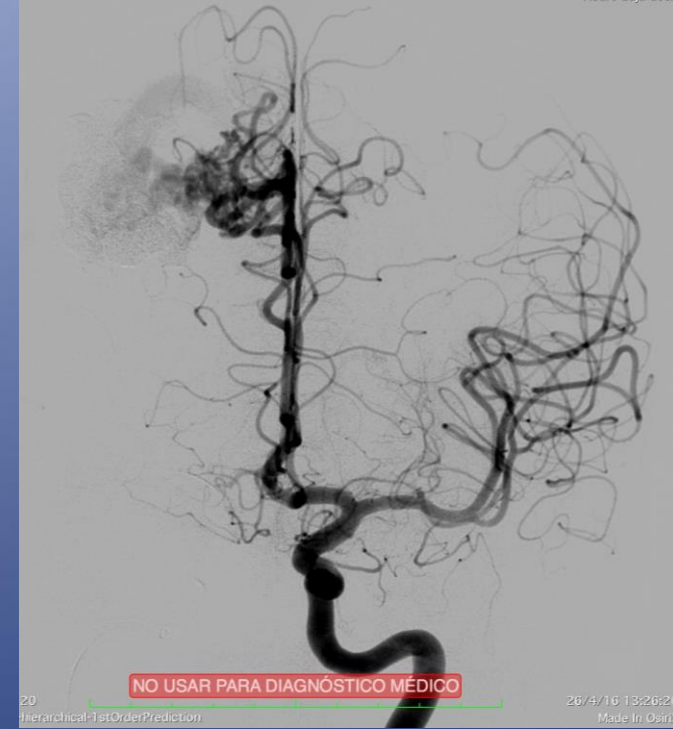


00  
23:55

**NO USAR PARA DIAGNÓSTICO MÉDICO**

024 x 1024  
13

2189144 ( 34 y , 34 y )  
Angiografía Cerebral Completa Y Selectivas  
Neuro baja dosis



**NO USAR PARA DIAGNÓSTICO MÉDICO**

20  
Hierarchical-1stOrderPrediction

26/4/16 13:26:20  
Made In OsiriX

***2 MICROCATETER***

***apollo 3cm***

***magic/SL10***

***1 COIL***

***2 gluebran***

***3 onix***

2182989 ( 50 y , 50 y )  
Embolización Supraselectiva Intracranial (Mav)  
Neuro baja dosis

NO USAR PARA DIAGNÓSTICO MÉDICO

22/4/16 9:53:02  
Made In OsiriX

Tamaño imagen: 1024 x 1024  
WL: 570 WW: 683

2182989 ( 50 y , 50 y )  
Embolización Supraselectiva Intracranial (Mav)  
Neuro baja dosis

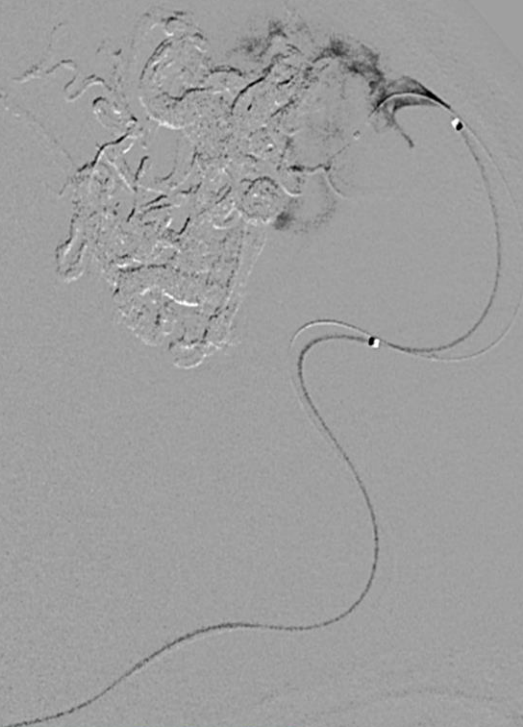
Zoom: 239%  
Inr: 6/10 Series: 4  
JPEG Lossless: Non-hierarchical-1stOrderPrediction

NO USAR PARA DIAGNÓSTICO MÉDICO

22/4/16 9:54:01  
Made In OsiriX

info imagen: 1024 x 1024  
667 WW: 189

2182989 ( 50 y , 50 y )  
Embolizacion Supraselectiva Intracranial (Mav)  
Neuro baja dosis



**NO USAR PARA DIAGNÓSTICO MÉDICO**

rc: 21.6%  
/10 Series: 10  
LosslessNon-hierarchical-1stOrderPrediction

22/4/16 10:53:23  
Made In OsiriX

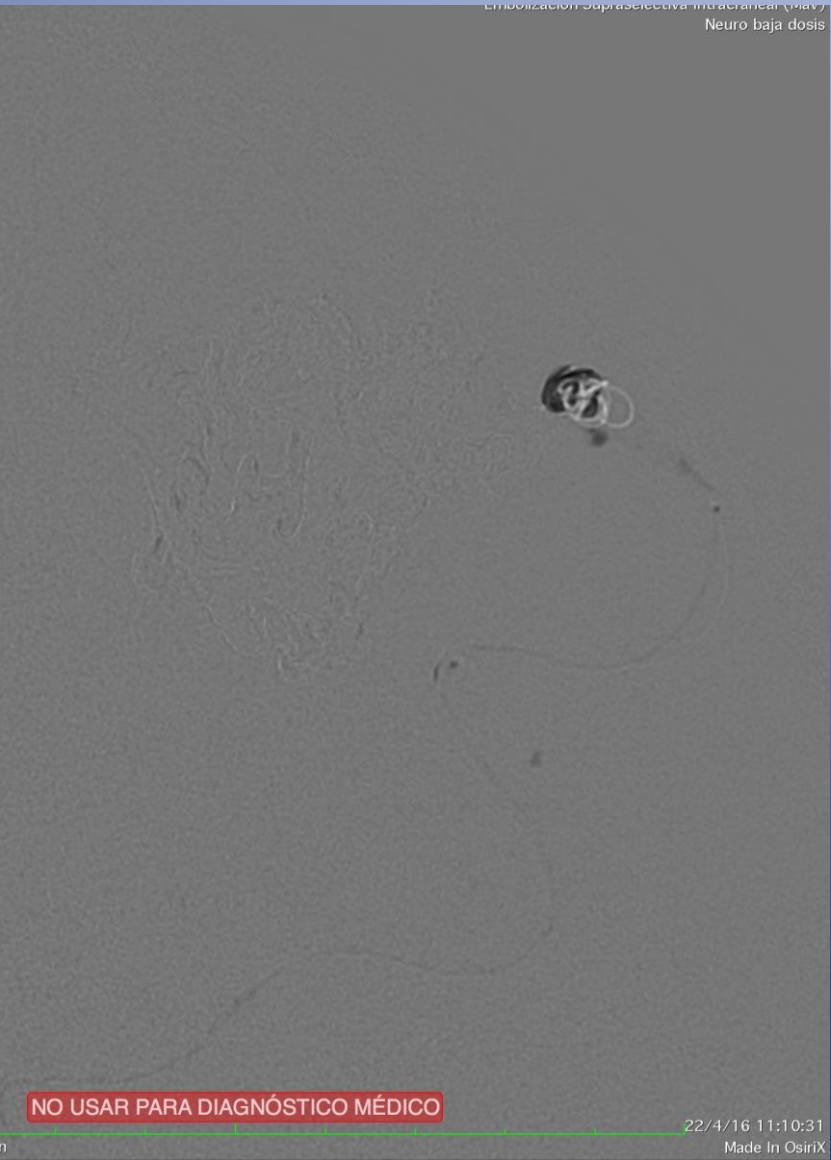
2182989 ( 50 y , 50 y )  
Embolizacion Supraselectiva Intracranial (Mav)  
Neuro baja dosis



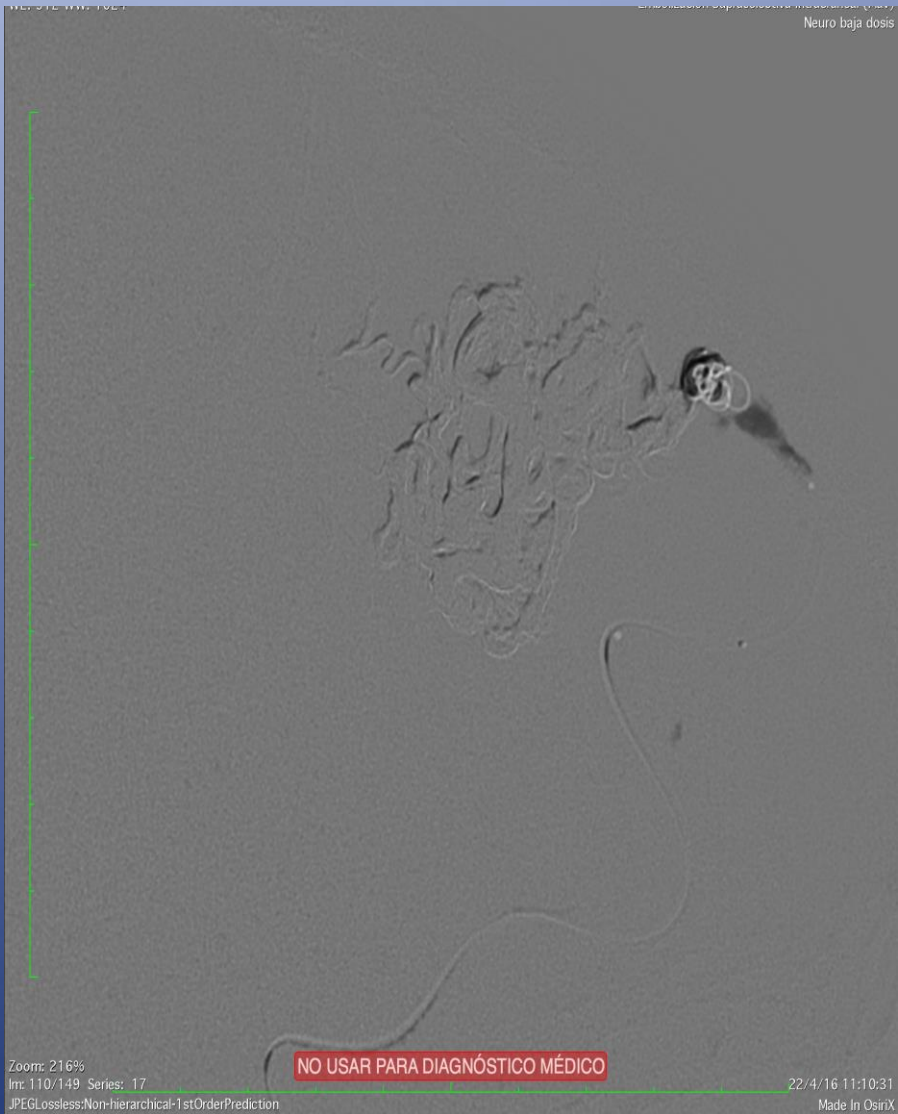
**NO USAR PARA DIAGNÓSTICO MÉDICO**

cal-1stOrderPrediction

22/4/16 11:02:09  
Made In OsiriX

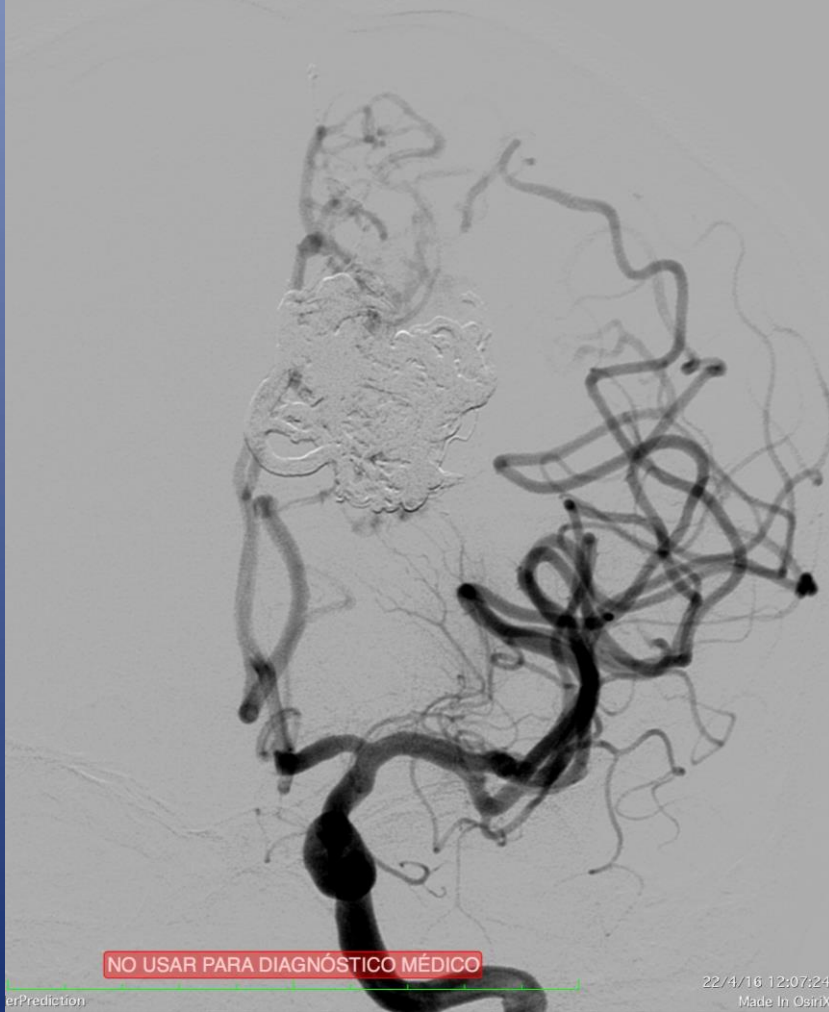


**NO USAR PARA DIAGNÓSTICO MÉDICO**



**NO USAR PARA DIAGNÓSTICO MÉDICO**

2182989 ( 50 y , 50 y )  
Embolización Supraselectiva Intracraneal (Mav)  
Neuro baja dosis

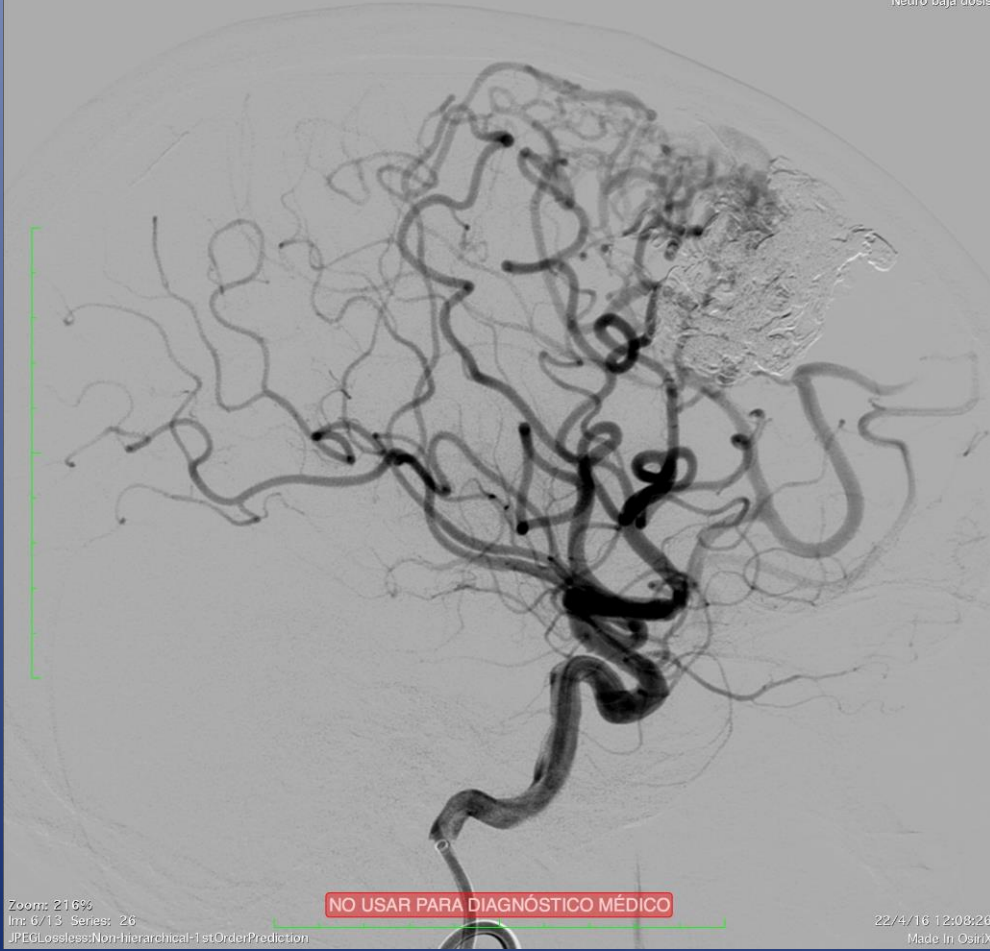


2182989 ( 50 y , 50 y )  
Embolización Supraselectiva Intracraneal (Mav)  
Neuro baja dosis



Tamaño imagen: 1024 x 1024  
WL: 570 WW: 683

2182989 ( 50 y , 50 y )  
Embolizacion Supraselectiva Intracranial (Max)  
Neuro baja dosis



Zoom: 21.6%  
Im: 6/13 Series: 26  
JPEGLossless:Non-hierarchical-1stOrderPrediction

**NO USAR PARA DIAGNÓSTICO MÉDICO**

22/4/16 12:08:26  
Made In OsiriX

1024

2182989 ( 50 y , 50 y )  
Embolizacion Supraselectiva Intracranial (Max)  
Neuro baja dosis



hical-1stOrderPrediction

**NO USAR PARA DIAGNÓSTICO MÉDICO**

22/4/16 12:10:42  
Made In OsiriX



# ***CONCLUSIONES***

ONIX O GLUE AMBOS TIENEN SUS VENTAJAS E INCONVENIENTES, Y SUS INDICACIONES

COLATERALES LEPTOMENINGEAS - CAROTIDA EXTERNA SON BUENAS VIAS DE ACCESO

EL ABORDAJE VENOSO Y BALON EN SENOS PERMITEN CERRAR MAVS DE DIFICIL ACCESO ARTERIAL

BEAVER TECHNIQUE FOR FISTULAS