

## Case 1

**77F**

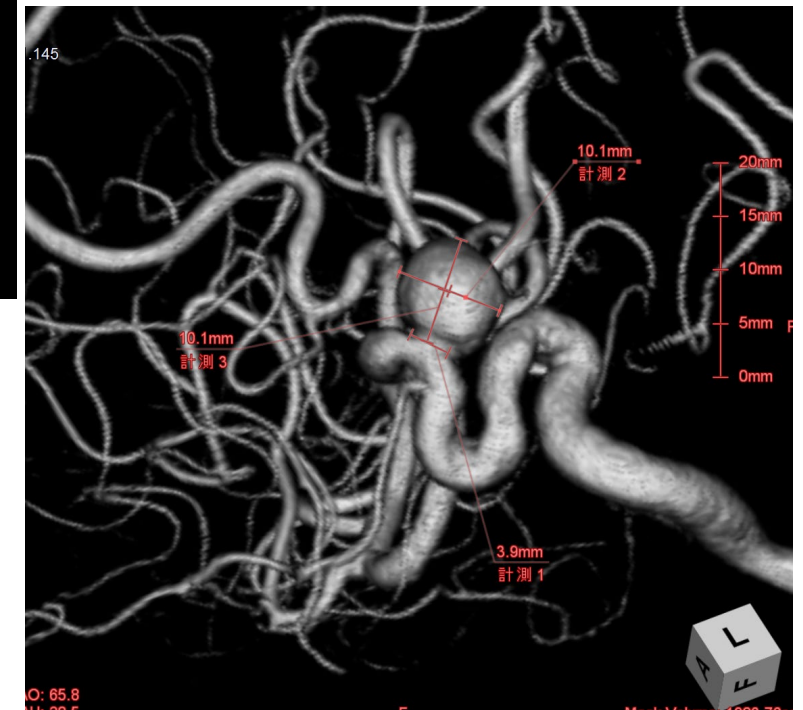
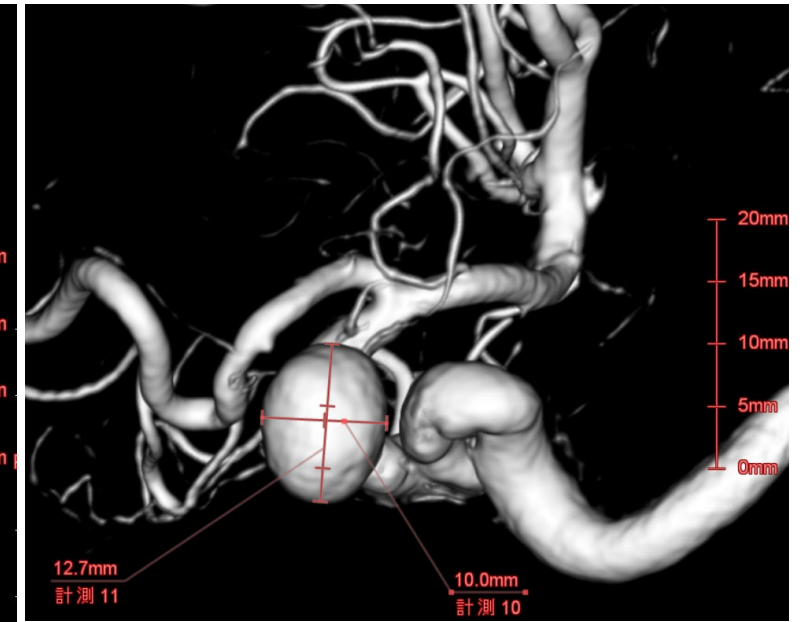
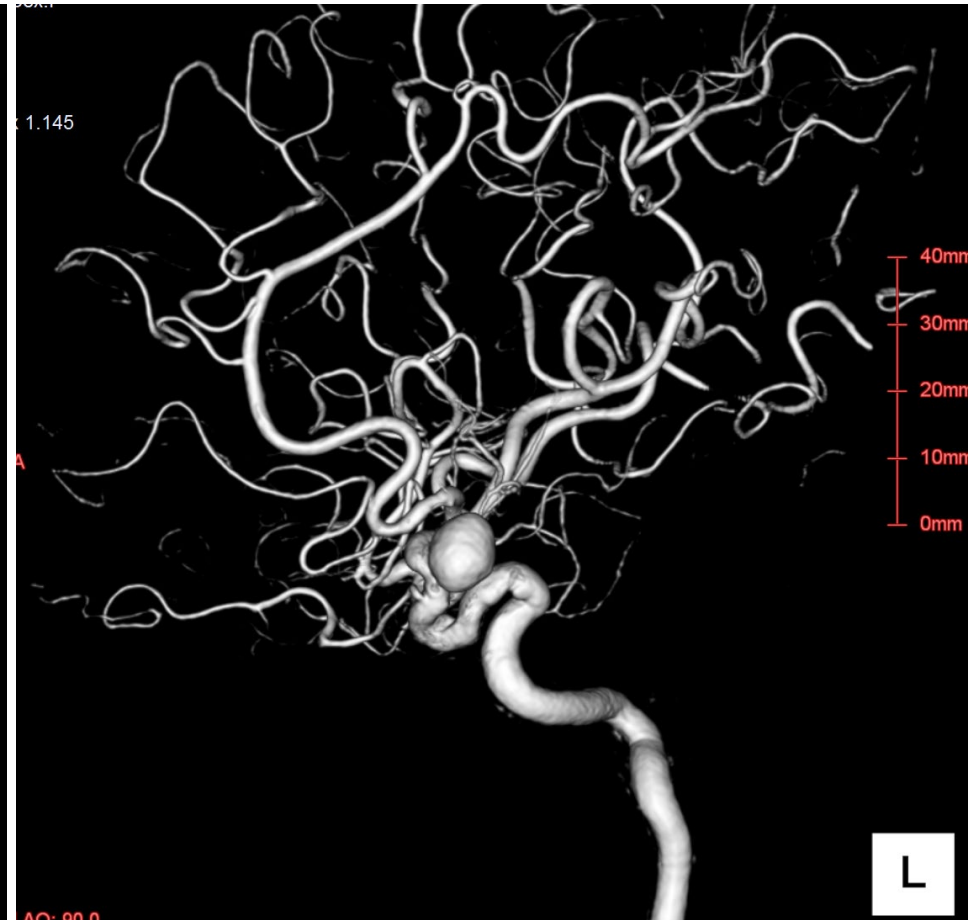
**Rt. paraclinoid AN (unruptured)  
(previously coiled, recurrence)**

## Case 1

現病歴	Rt. paraclinoid large ANに対し X-7年 Coiling (DCT, VER 23.67%) 8ヶ月後、再発に対しSAC (Enterprise 2) 18ヶ月後、再々発に対しSAC (LVIS) その後外来フォロー中であつたが、 X年になり右眼視力低下、視野狭窄あり
既往歴	腰部脊柱管狭窄症: 2022年に他院でOp.
内服薬	リマプロストアルファデクス
生活歴	特記すべき事項なし
現症	右視力低下、両耳側半盲 その他には明らかな神経学的異常はない

DCT: double catheter technique  
SAC: Stent-assisted coiling

# 初回治療前 Rt. ICA (3D-RA)



MAX : 12.7mm  
Height : 10.1mm  
Width : 10.1mm  
Neck : 3.9mm

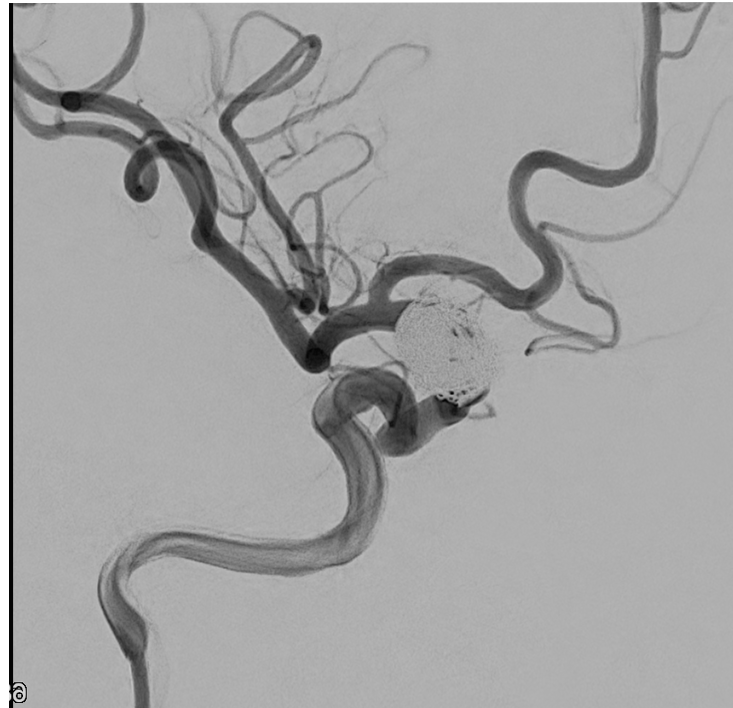
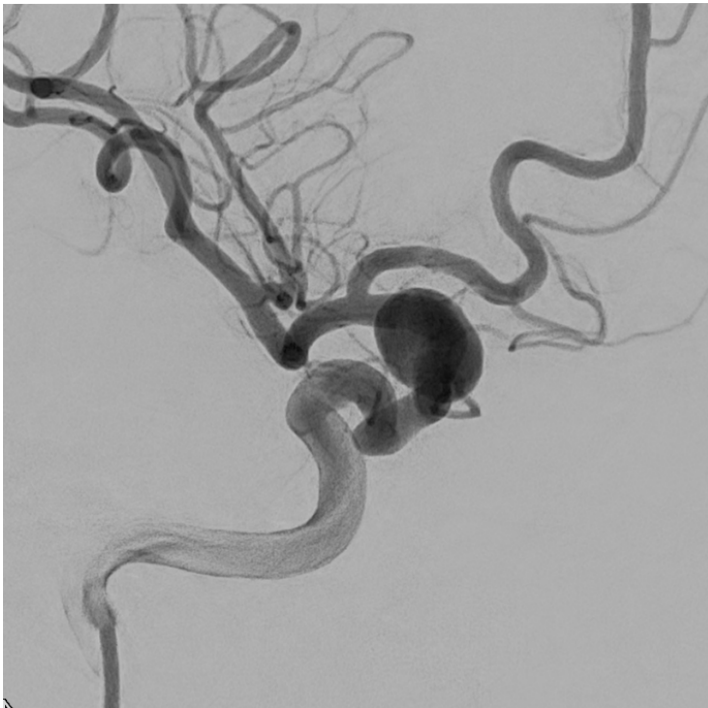
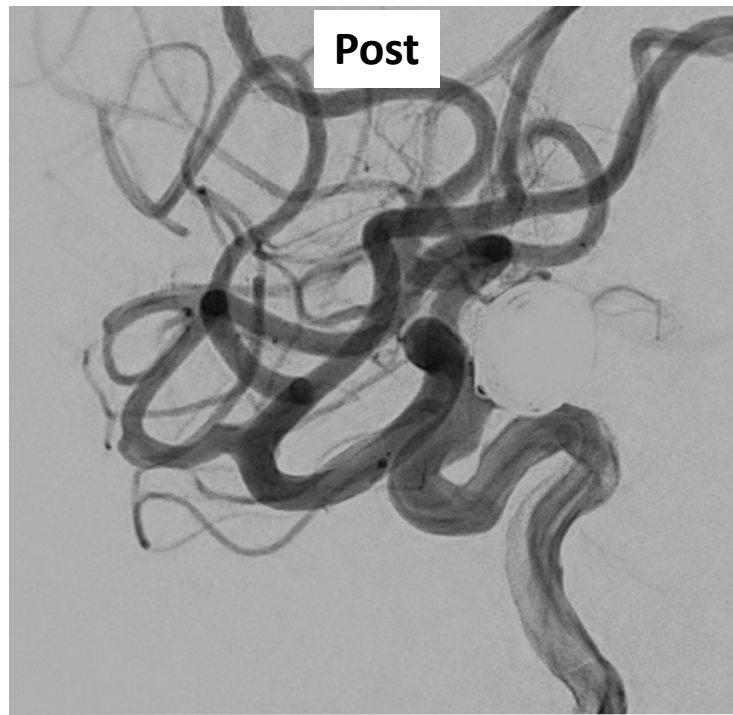
**1<sup>st</sup> IVR**

**Double catheter  
techniqueでcoiling**

**Coil 27本使用**

**VER 23.67%**

**Slight DF  
(CGS grade 3)**



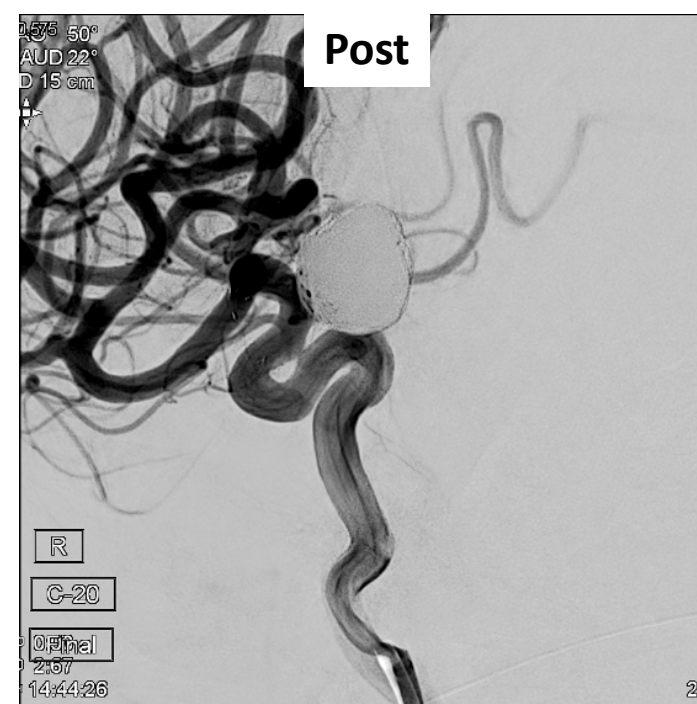
CGS: Consensus Grading Scale  
(Meyers PM, et al. *AJNR* 2010)

## 2nd IVR

(初回治療の8か月後)

Stent-assisted coiling  
(Enterprise 2を  
M1~C3に留置)

Neck remnant  
(CGS grade 2)



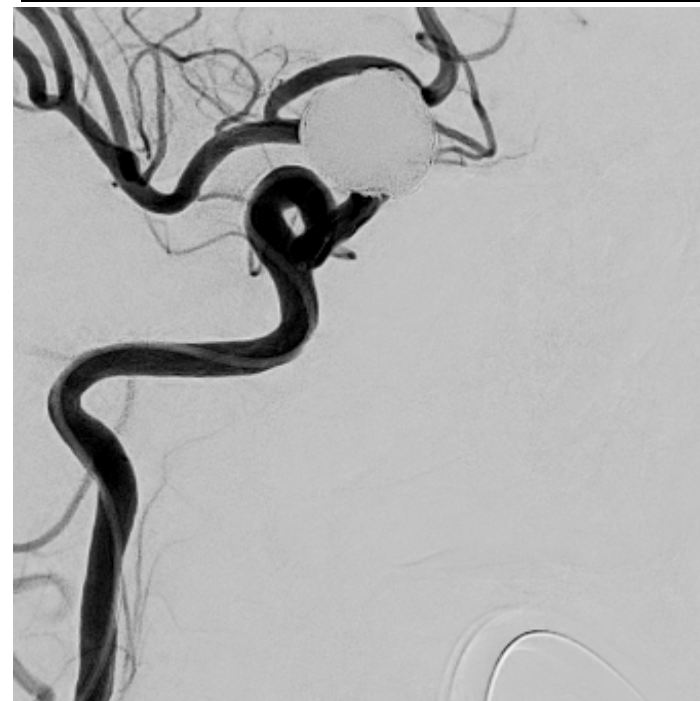
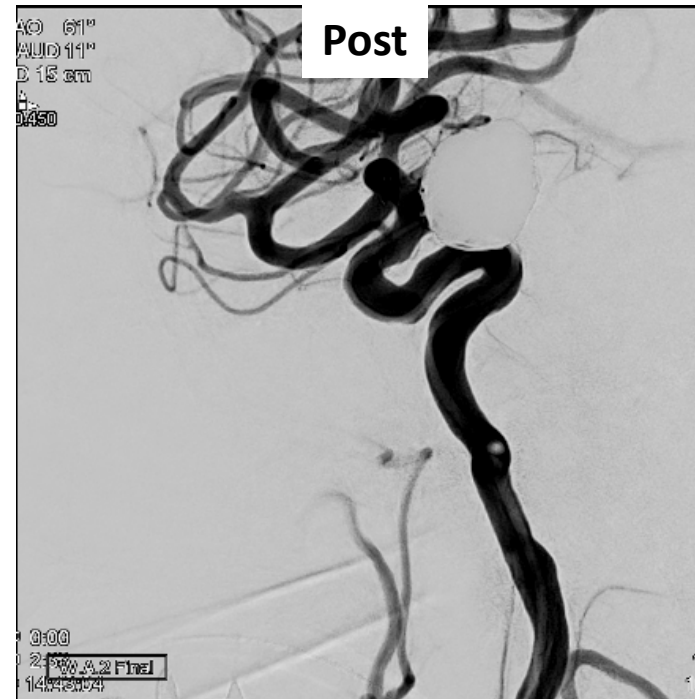
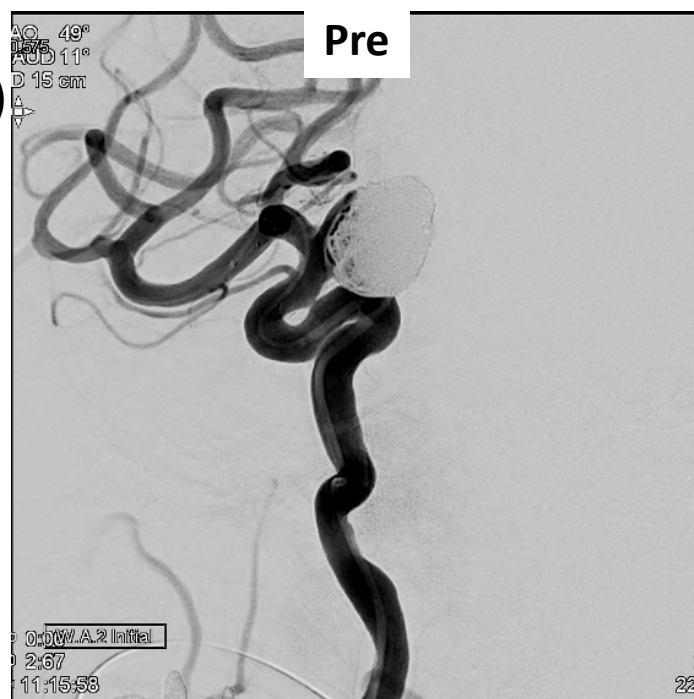
CGS: Consensus Grading Scale  
(Meyers PM, et al. *AJNR* 2010)

### 3rd IVR

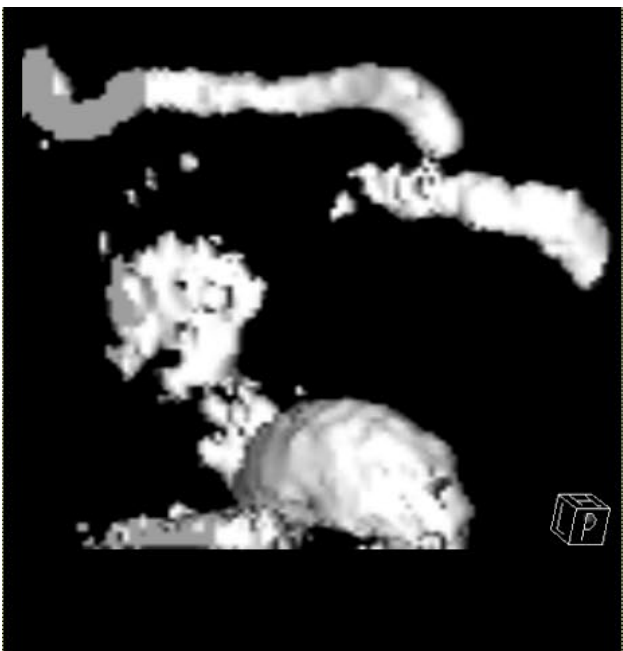
(初回治療の18か月後)

Stent-assisted coiling  
(LVIS 4.5\*18mmを  
C1~C3/4に留置)

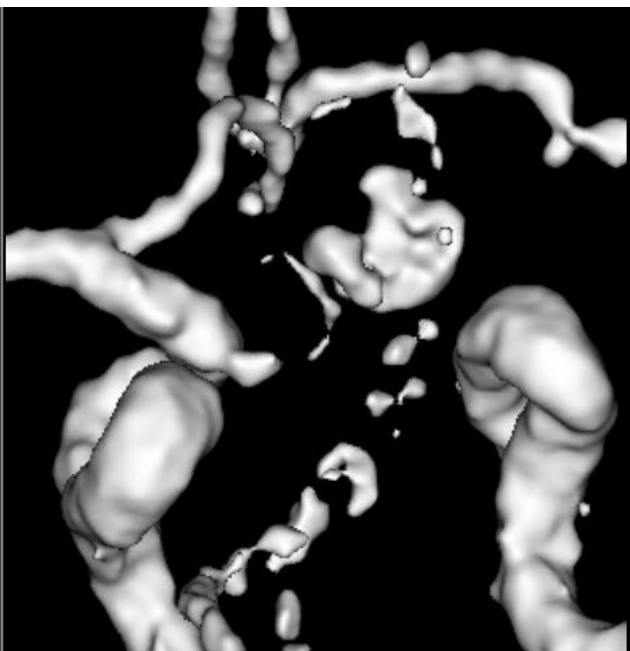
Neck remnant  
(CGS grade 2)



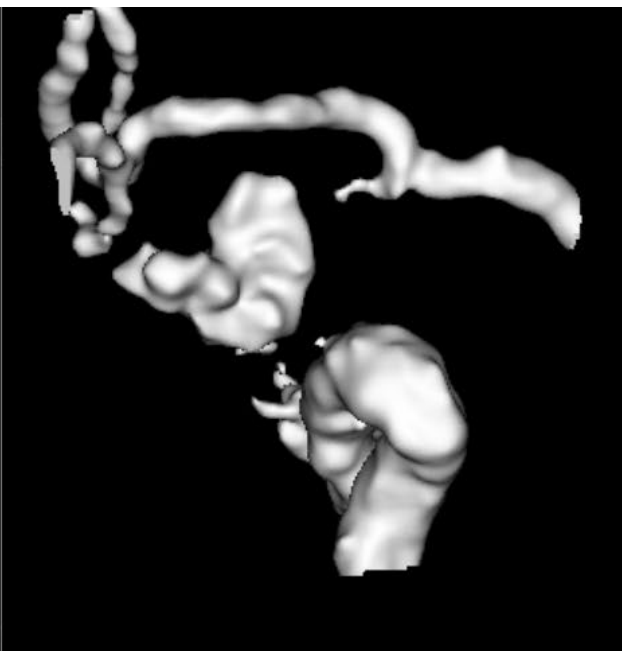
3<sup>rd</sup> IVR後 3ヶ月



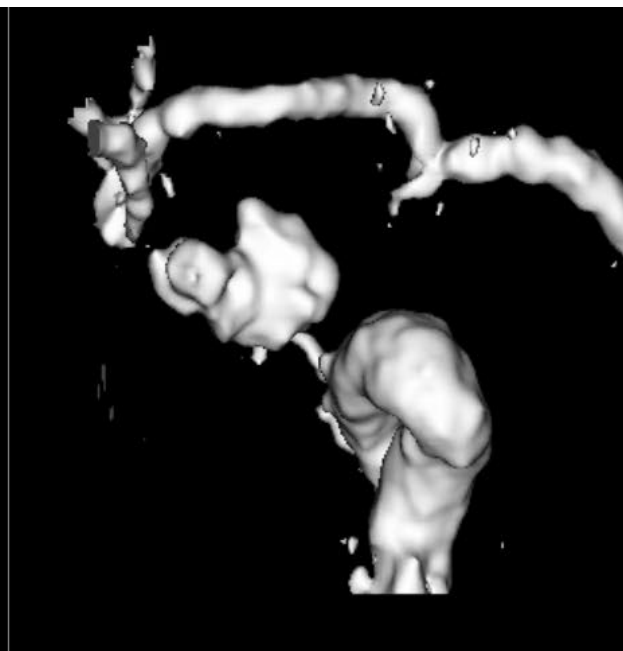
3<sup>rd</sup> IVR 後21ヵ月



3<sup>rd</sup> IVR 後33ヵ月



3<sup>rd</sup> IVR 後36ヵ月



Craniograms

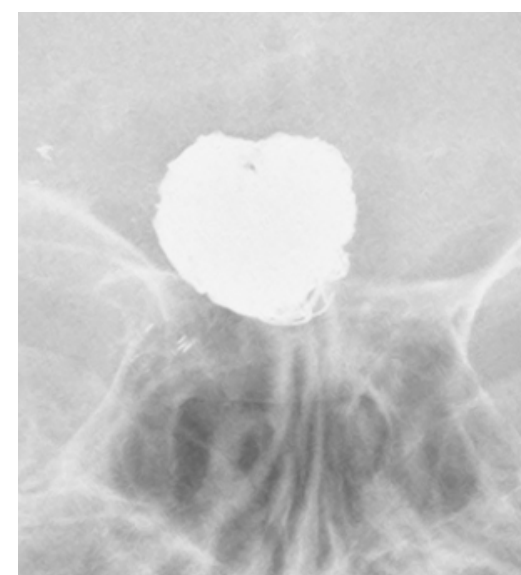
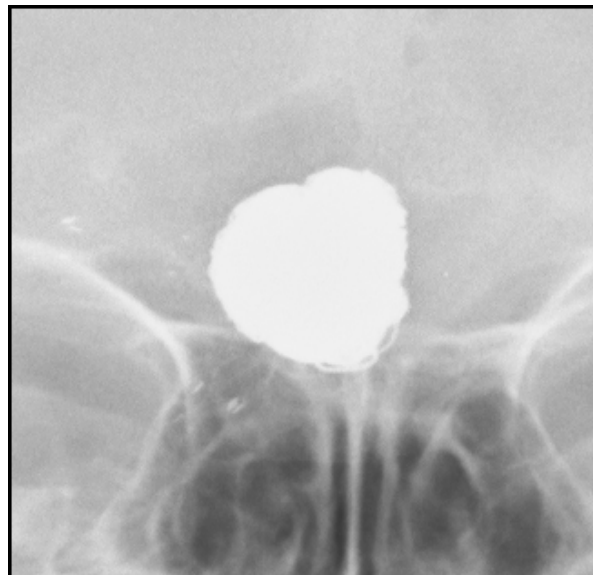
3<sup>rd</sup> IVR直後

3<sup>rd</sup> IVR後6ヶ月

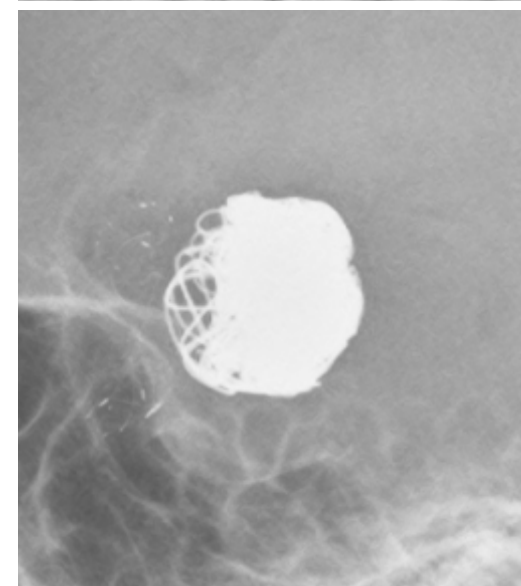
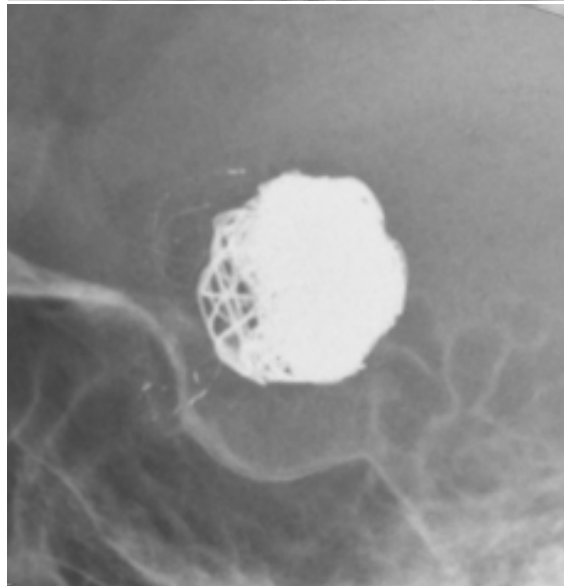
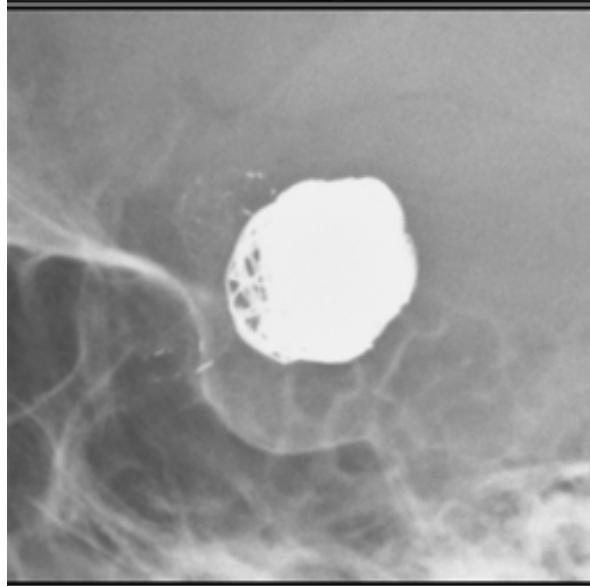
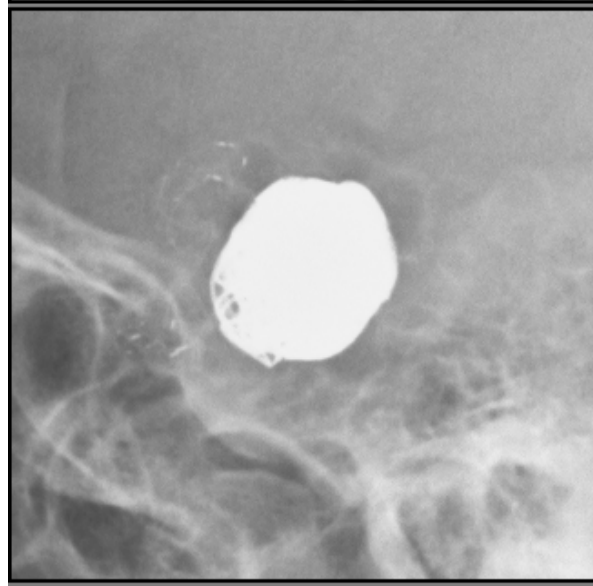
3<sup>rd</sup> IVR後21ヶ月

3<sup>rd</sup> IVR後33ヶ月

正面

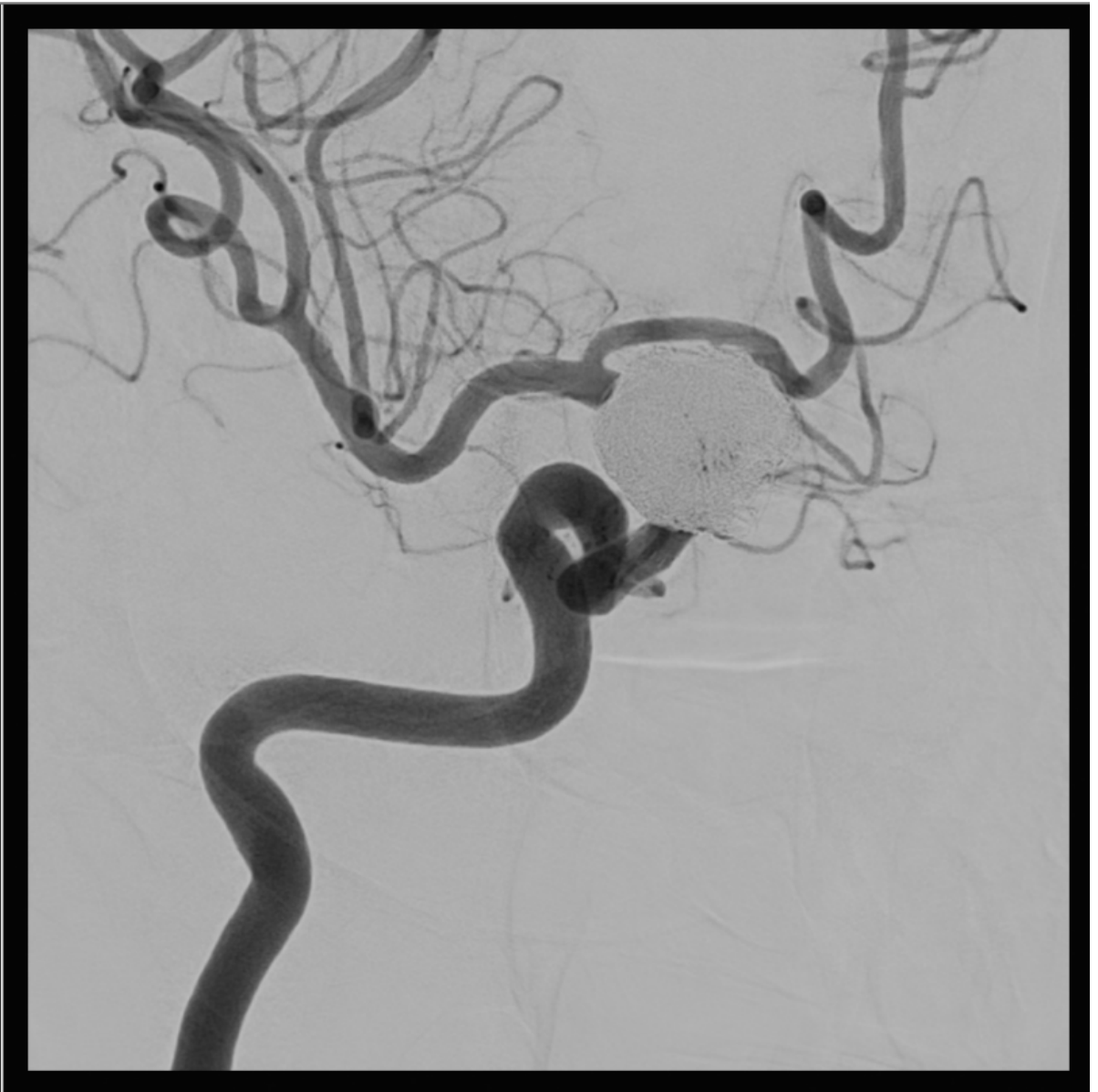


側面

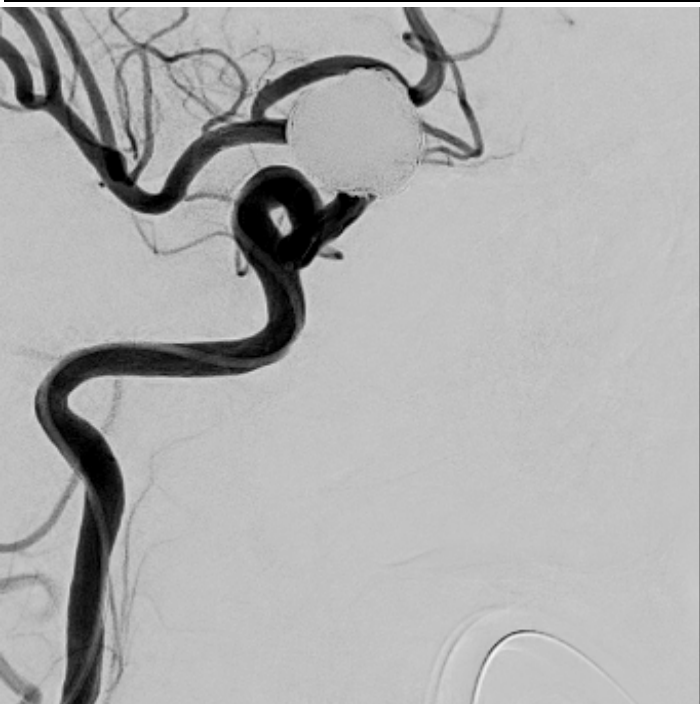




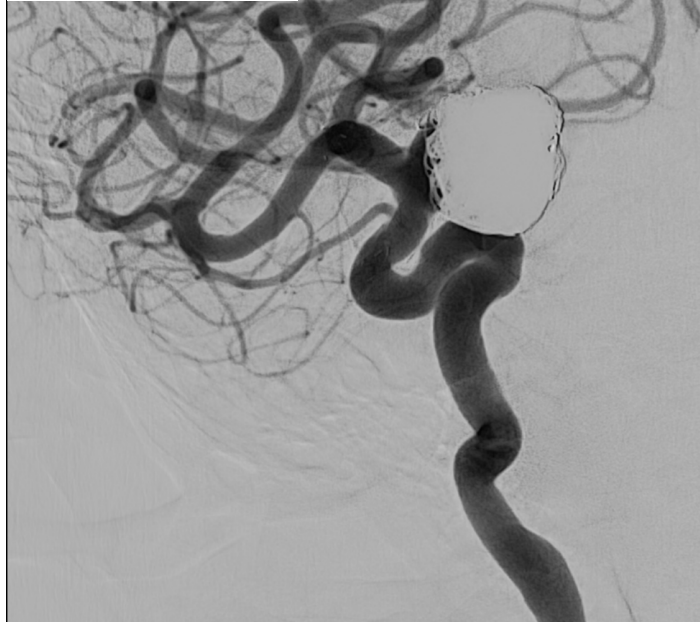
3<sup>rd</sup> IVR後3年 Angio



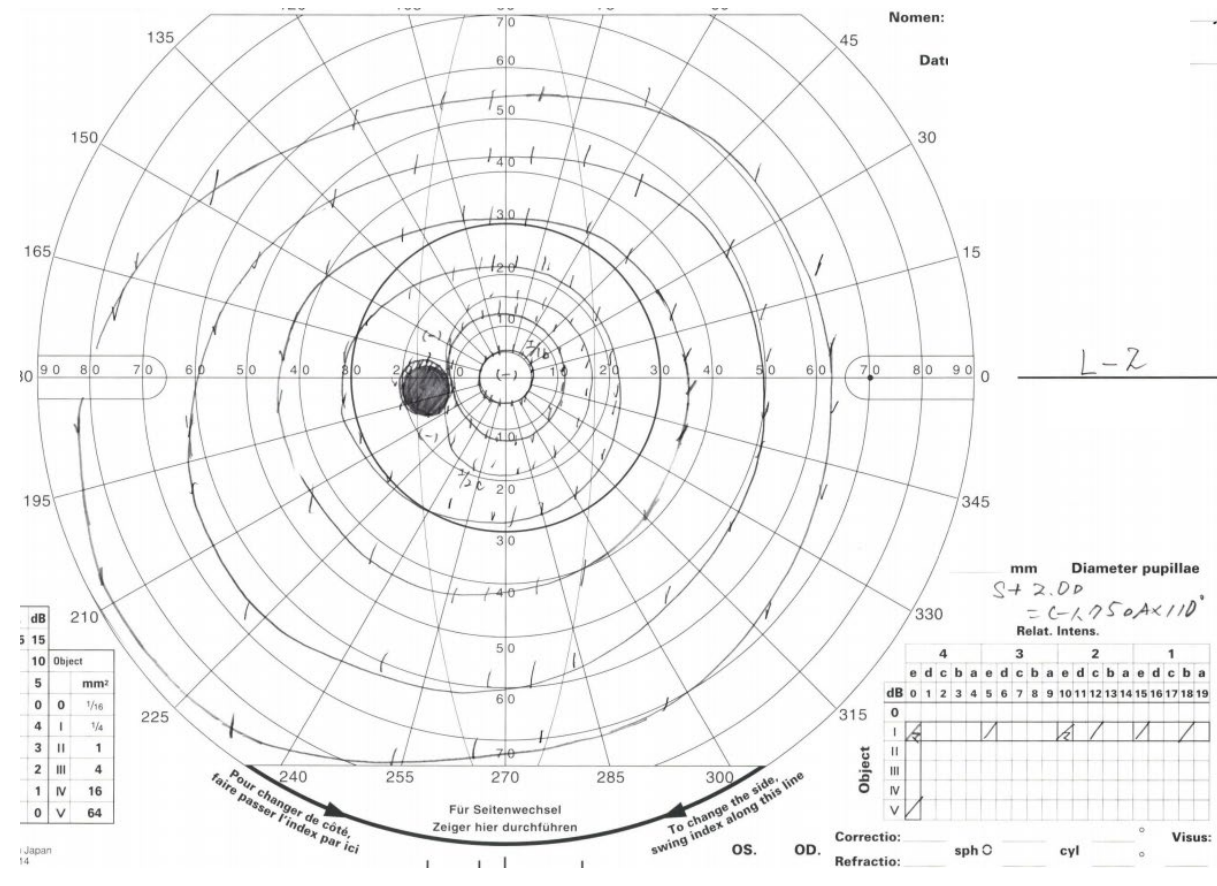
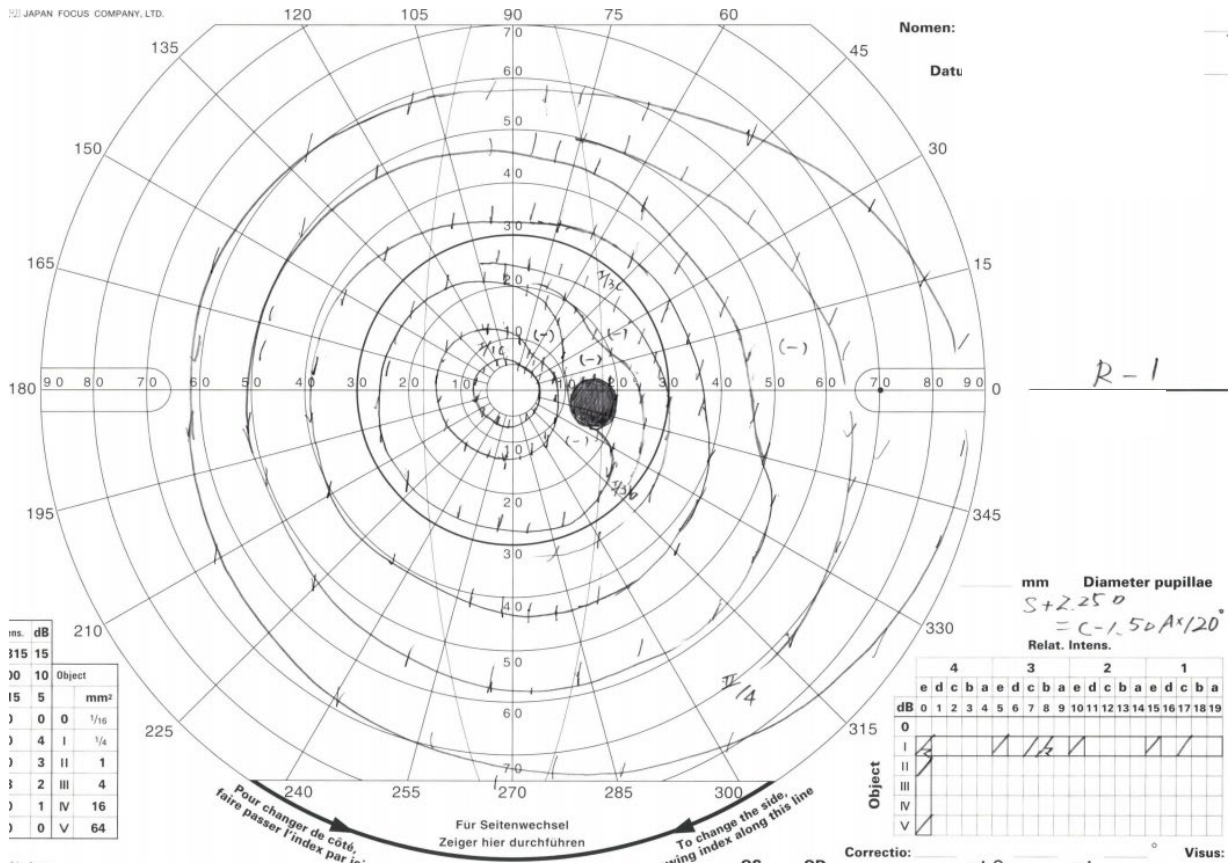
3rd IVR直後



3rd IVR後3年



# 3rd IVR後3年時点での視野検査(自覚症状はなし)

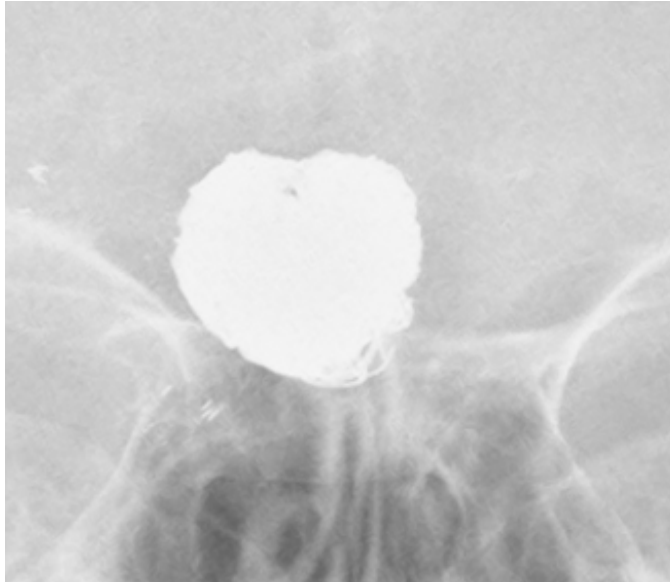


Craniograms

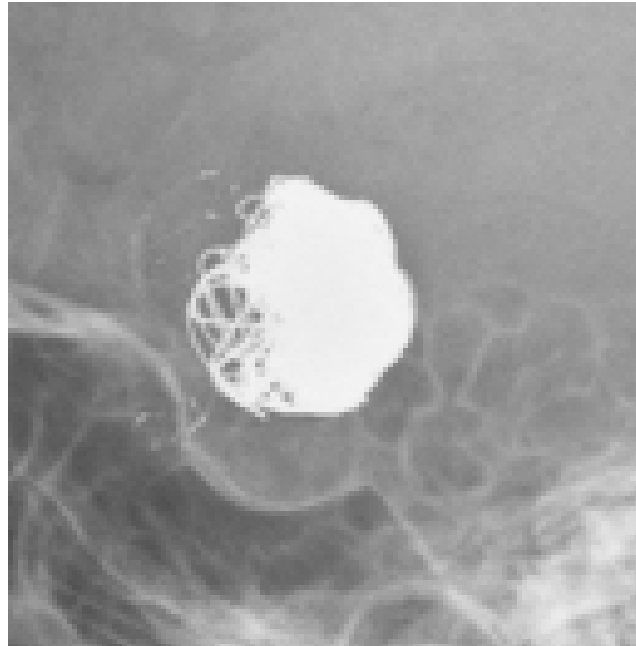
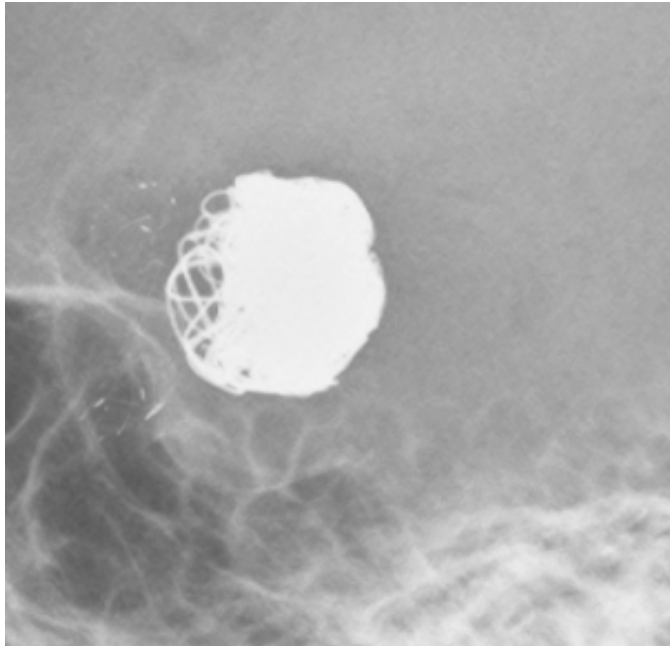
3<sup>rd</sup> IVR後33ヶ月

3<sup>rd</sup> IVR後45ヶ月

正面

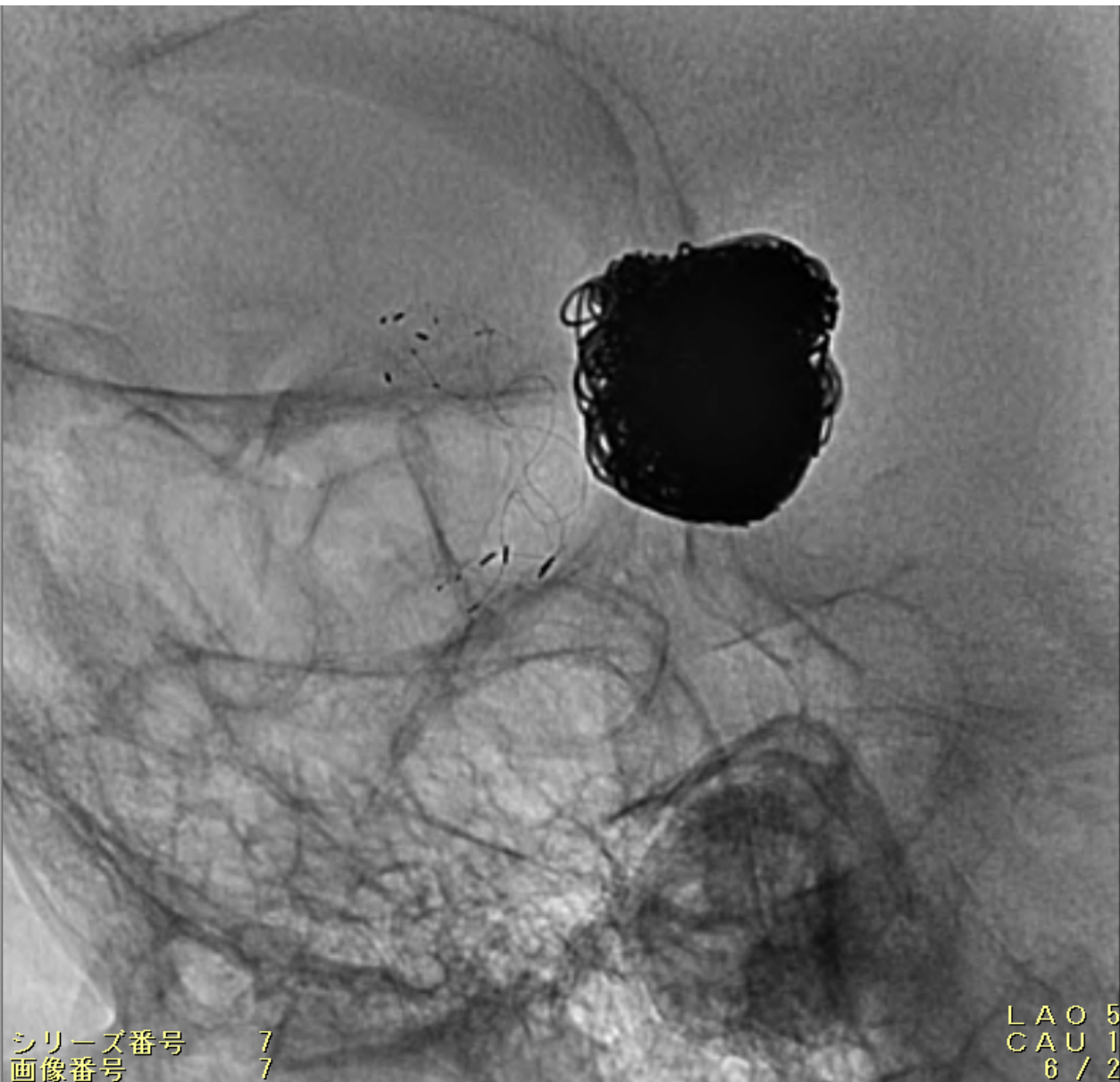


側面

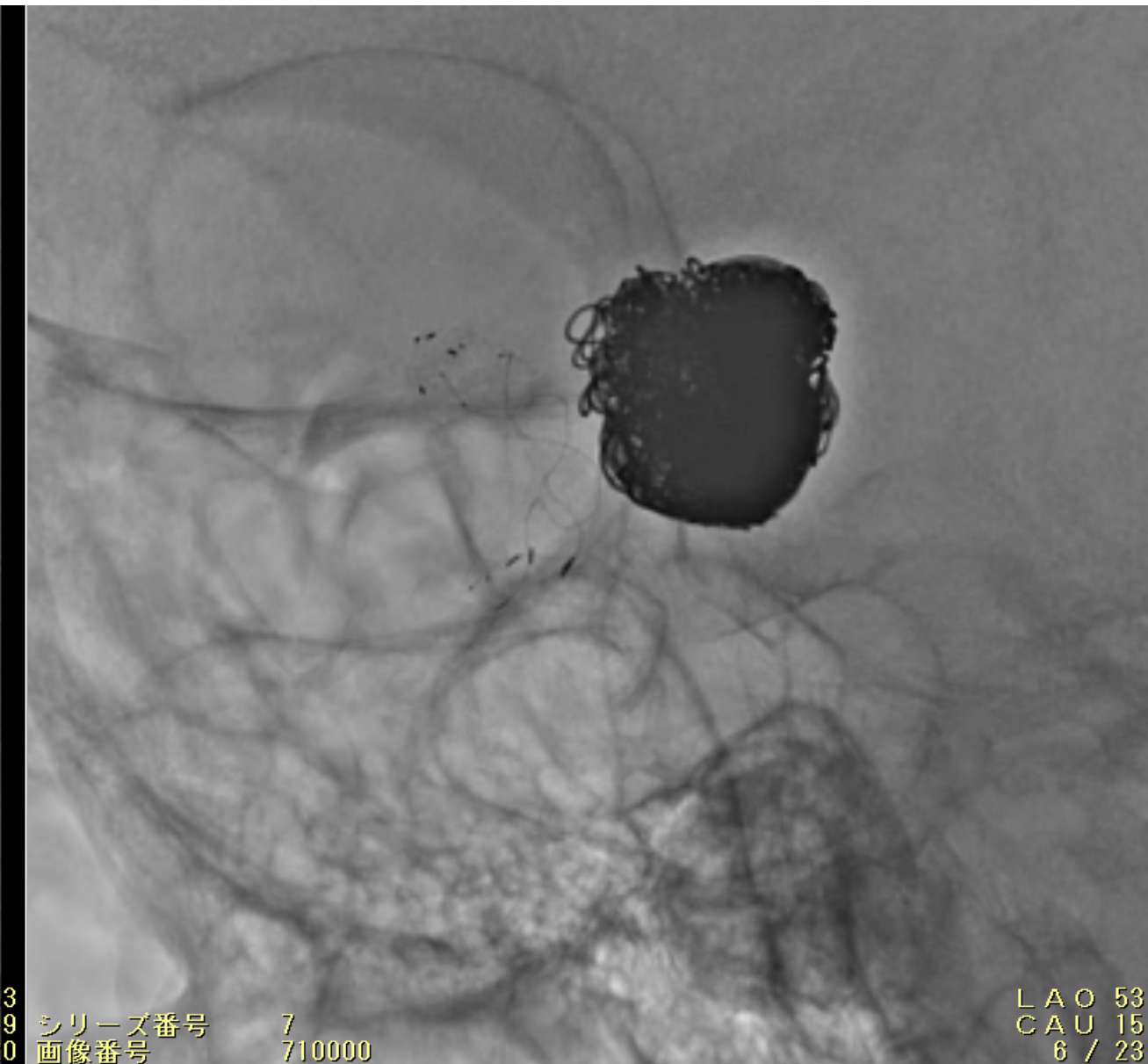


再度Angio施行

3<sup>rd</sup> IVR後33ヶ月



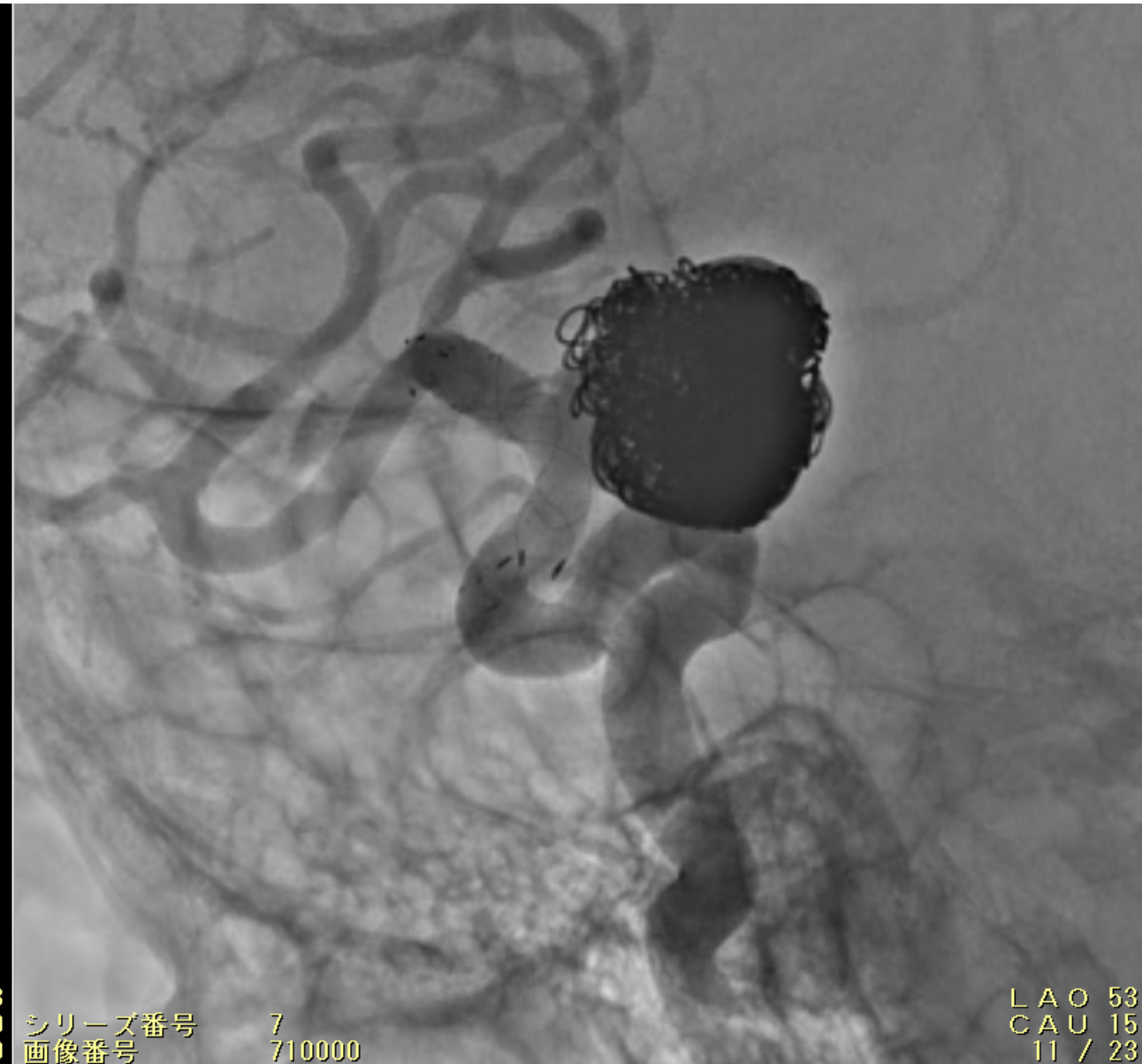
3<sup>rd</sup> IVR後45ヶ月



3<sup>rd</sup> IVR後33ヶ月



3<sup>rd</sup> IVR後45ヶ月



3<sup>rd</sup> IVR後33ヶ月

3<sup>rd</sup> IVR後45ヶ月



引き続き経過観察の方針

10000

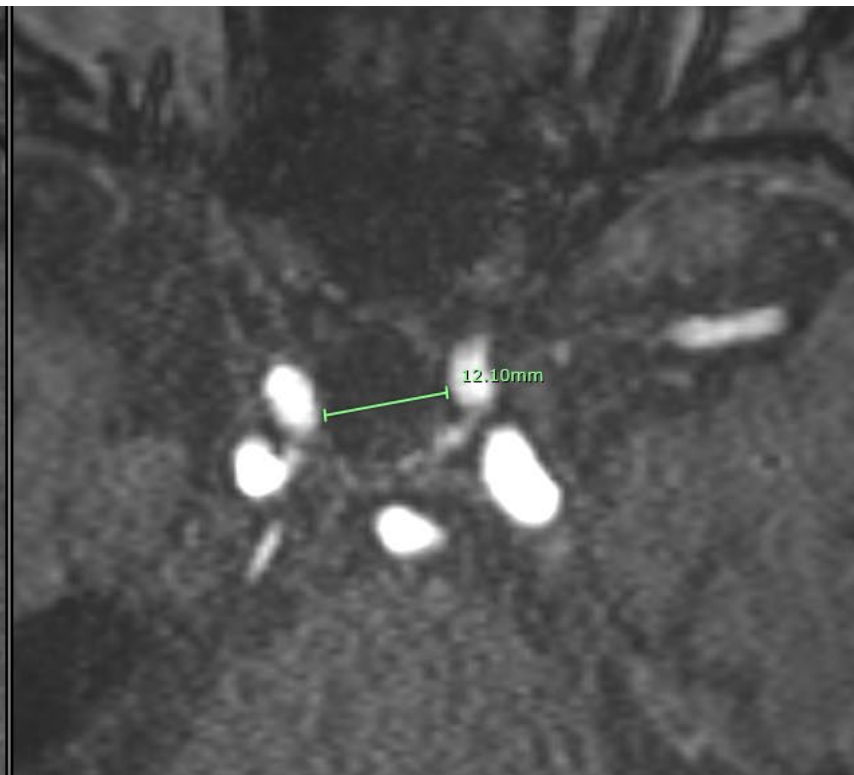
シリーズ番号 7  
画像番号 7

LAO 53  
CAU 15  
14 / 23

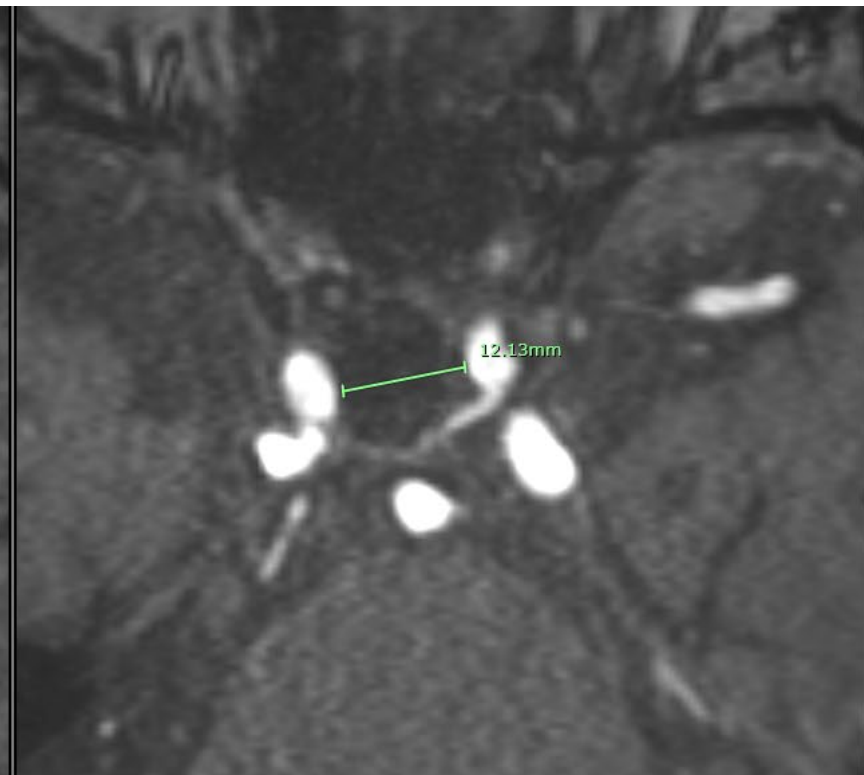
3<sup>rd</sup> IVR後21ヶ月



3<sup>rd</sup> IVR後33ヶ月



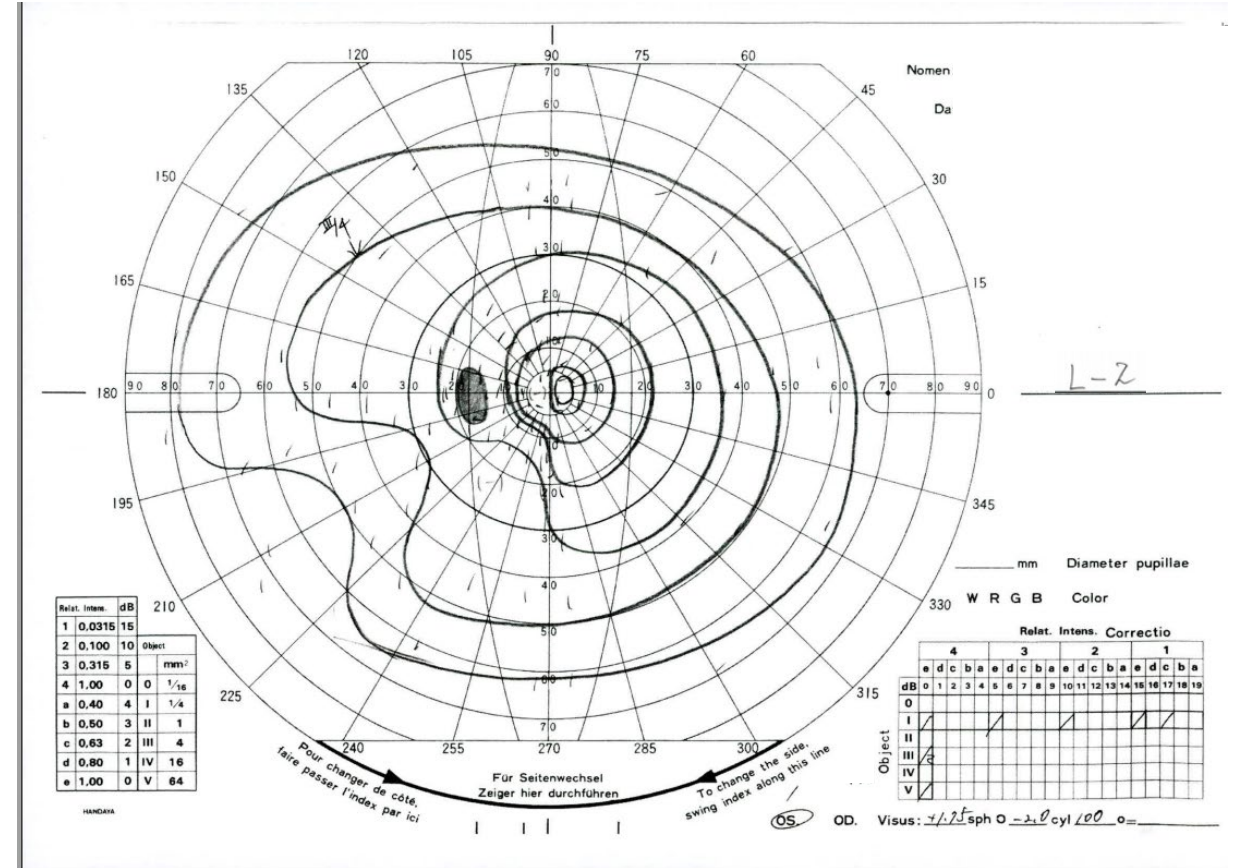
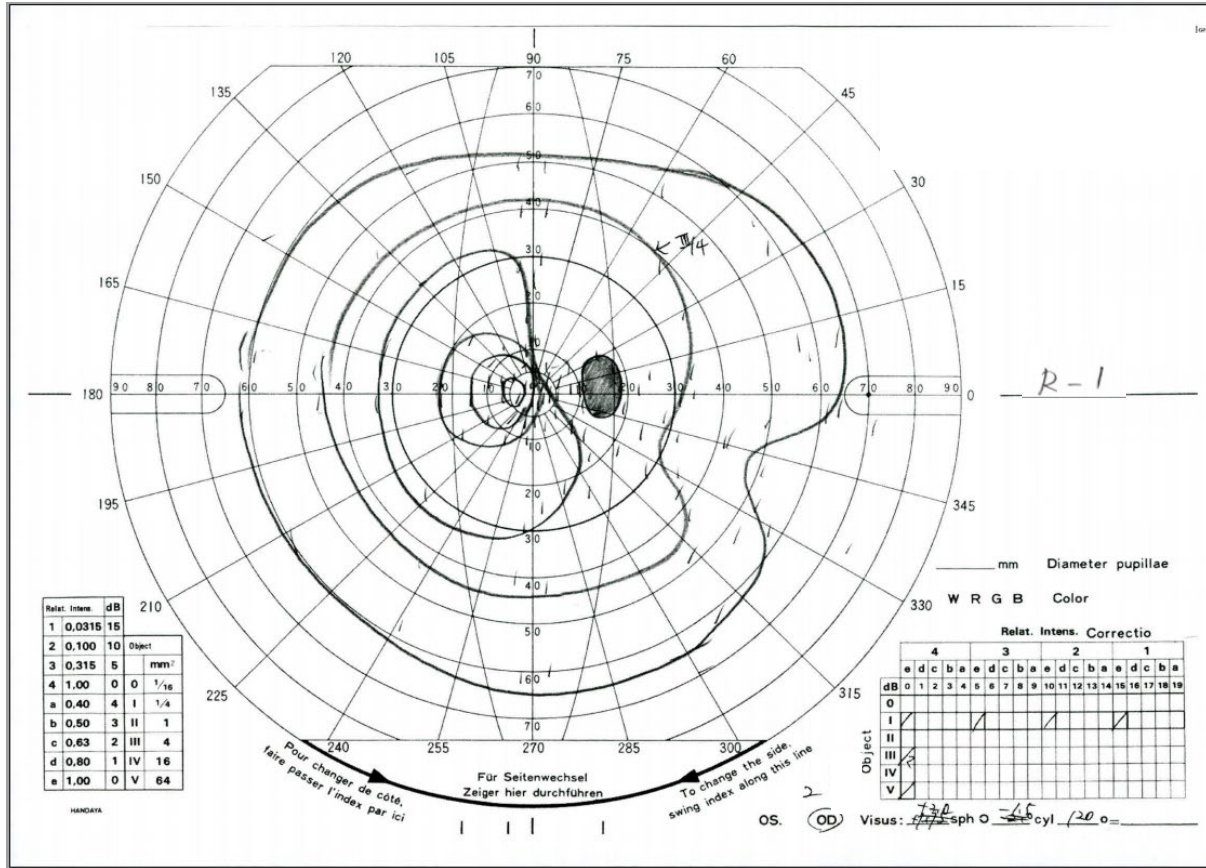
3<sup>rd</sup> IVR後45ヶ月



引き続き経過観察の方針



# 3rd IVR後5年経った頃より右視力低下、ぼやけるという症状が出現



Craniograms

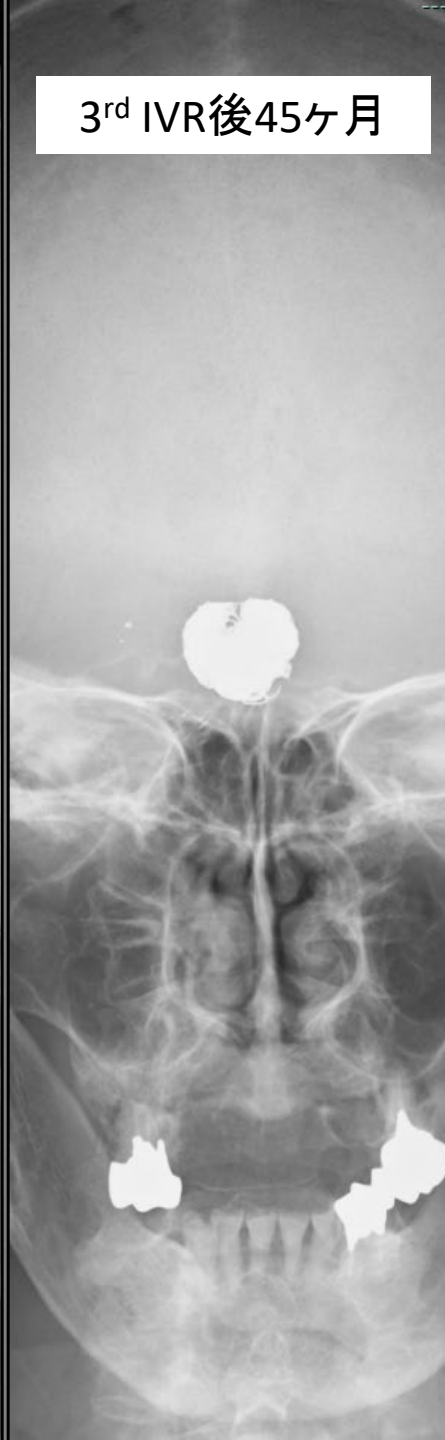
3<sup>rd</sup> IVR後6ヶ月



3<sup>rd</sup> IVR後33ヶ月



3<sup>rd</sup> IVR後45ヶ月



3<sup>rd</sup> IVR後63ヶ月



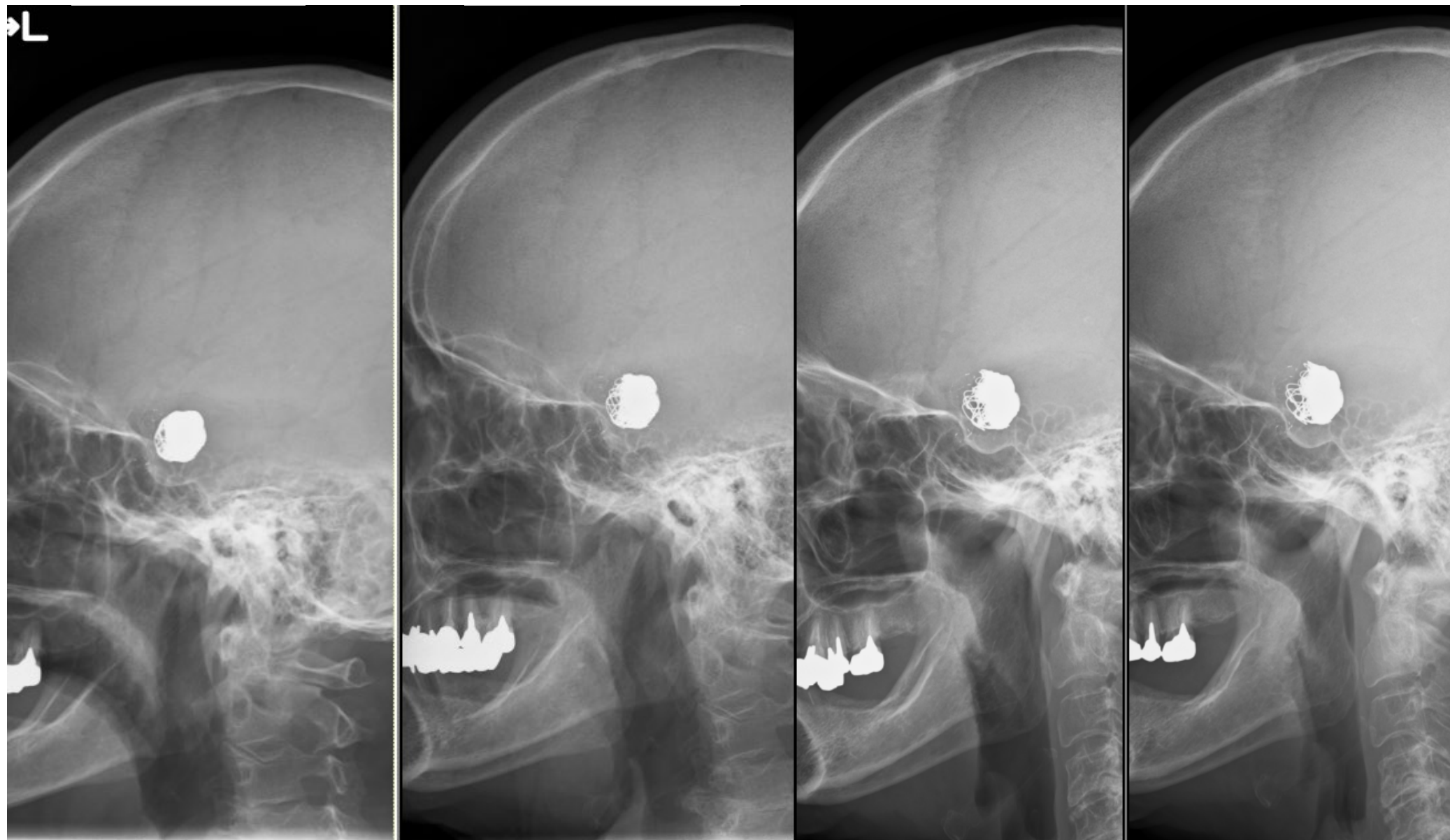
Craniograms

3<sup>rd</sup> IVR後6ヶ月

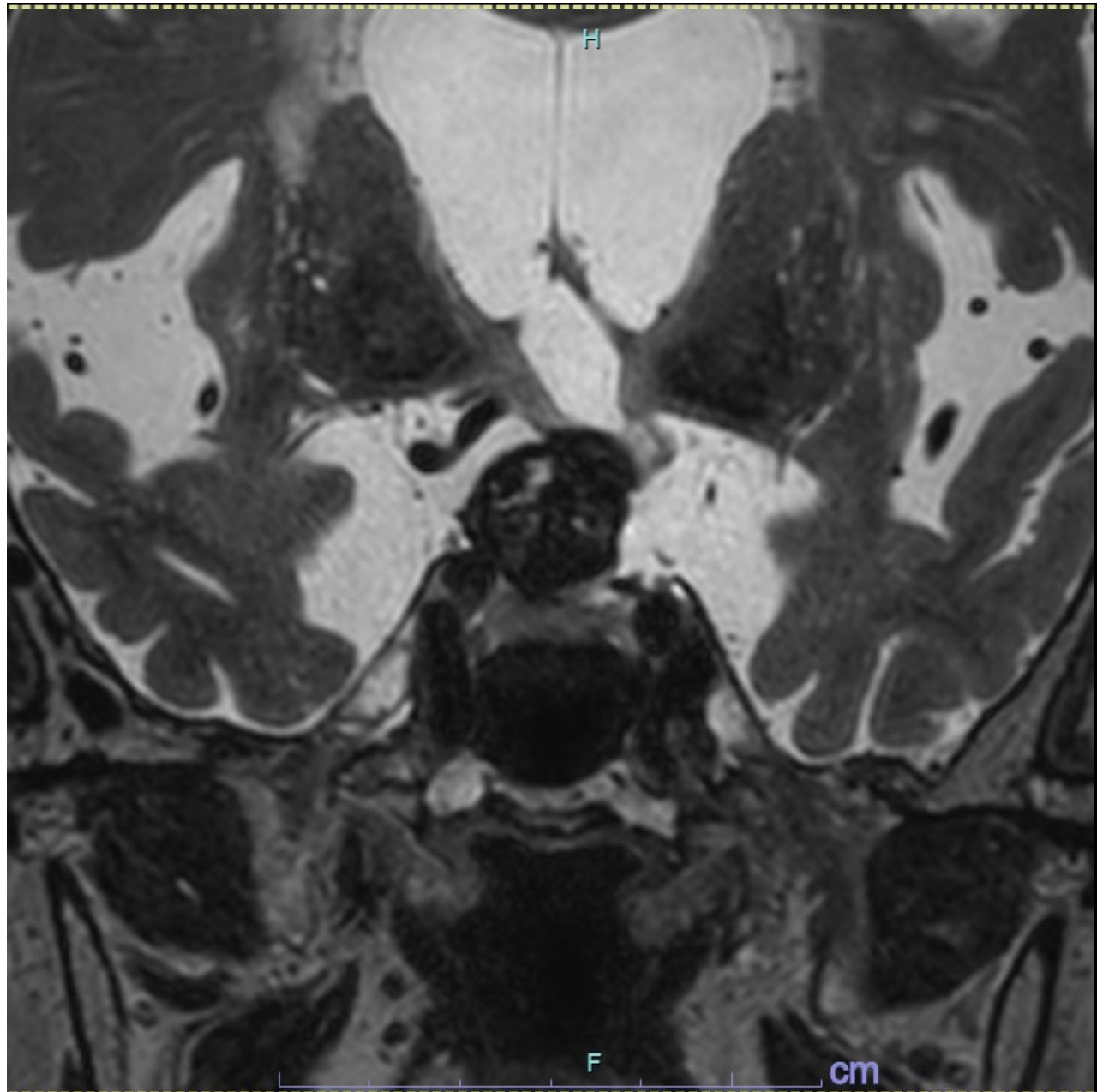
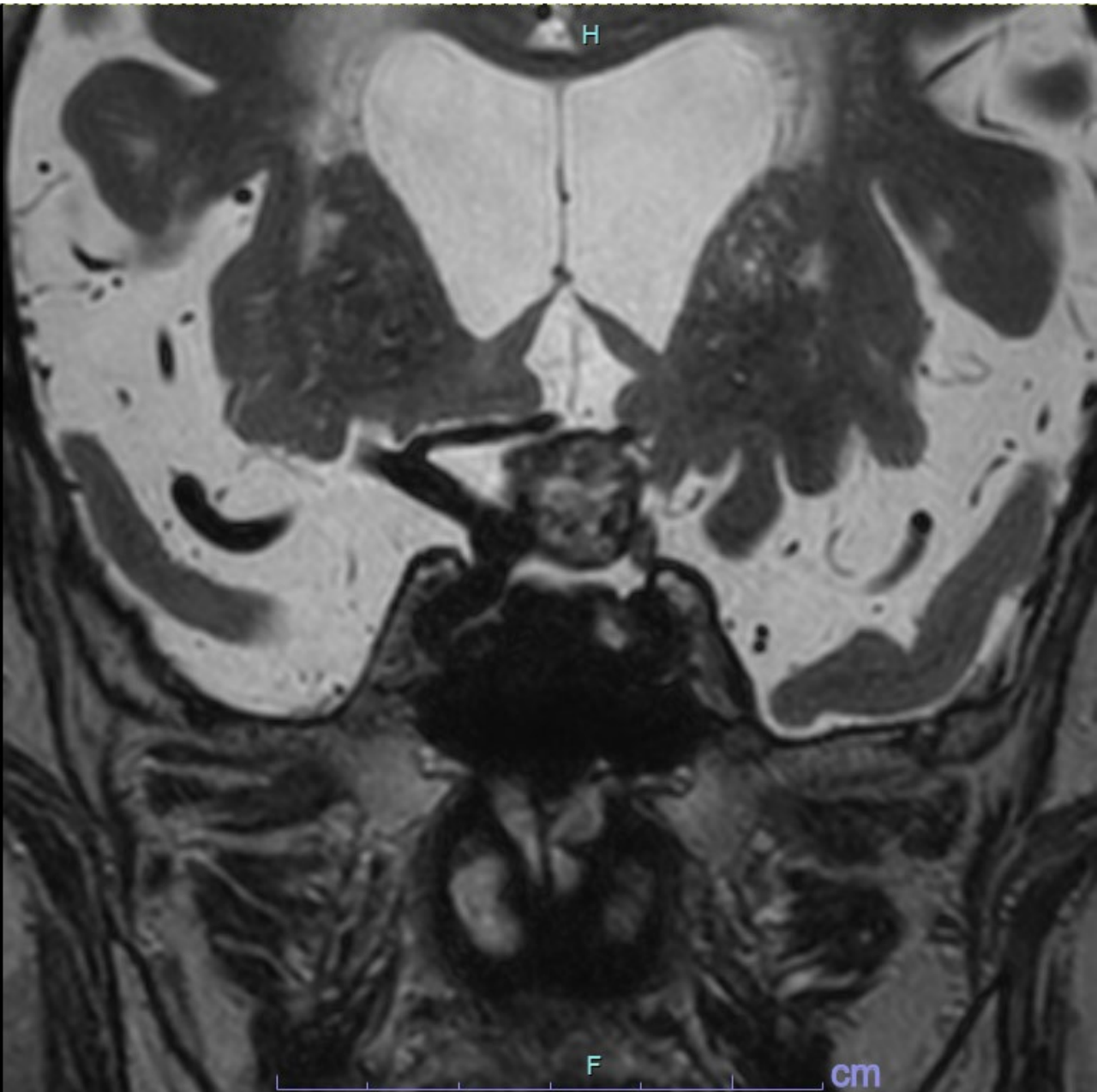
3<sup>rd</sup> IVR後33ヶ月

3<sup>rd</sup> IVR後45ヶ月

3<sup>rd</sup> IVR後63ヶ月

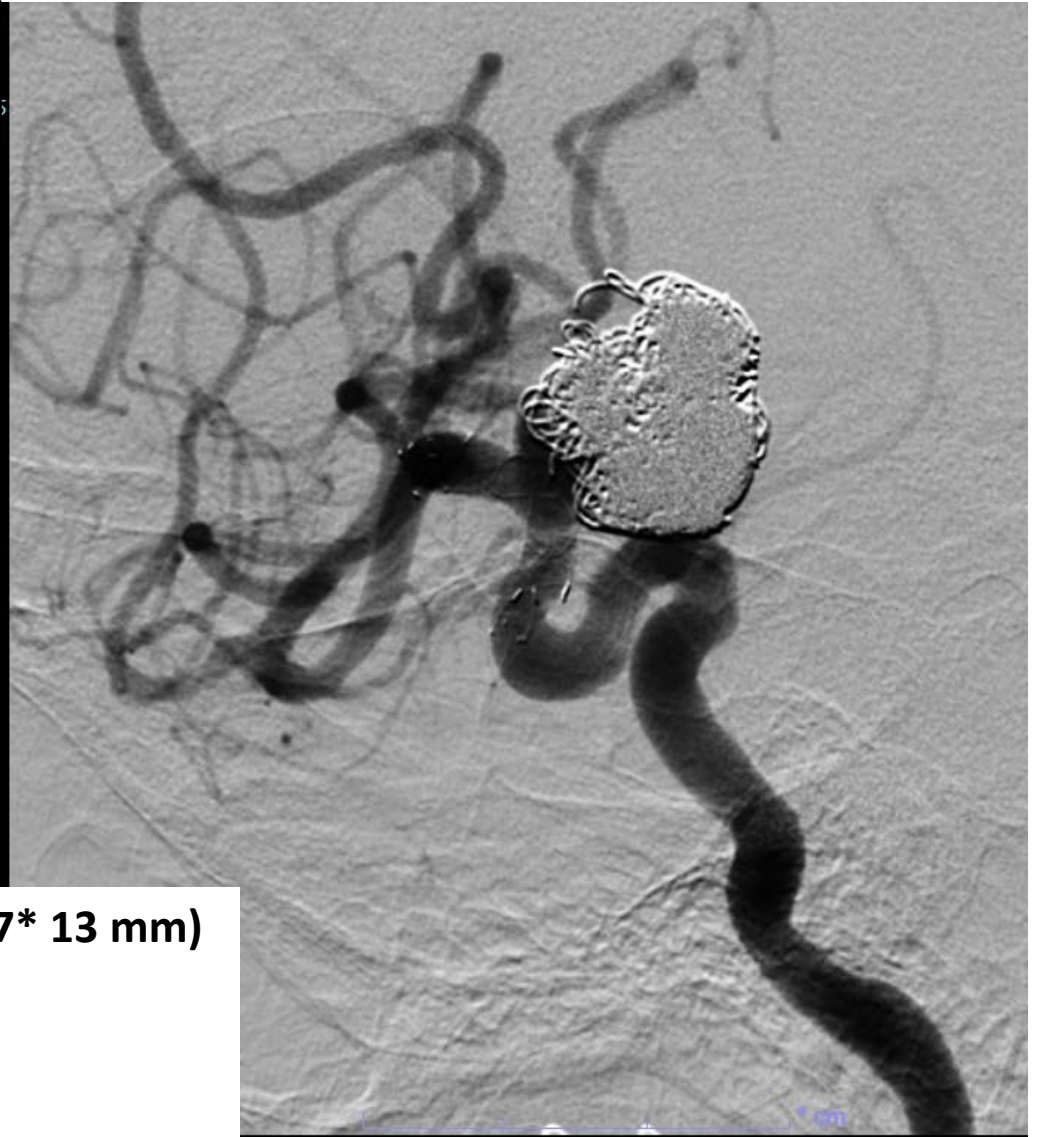
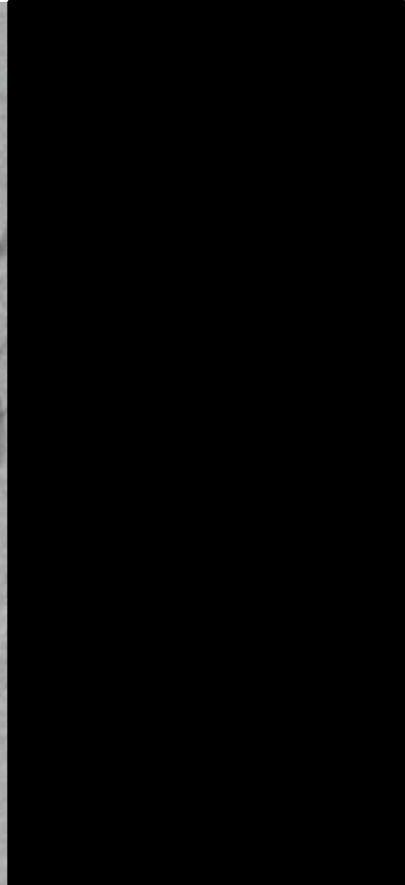


MRI (coronal T2)



**3rd IVR後63ヶ月時 Angio**

## Rt. ICAG Working angles



**Residual space (app. 9\*7\* 13 mm)**

**Neck 5.1mm**

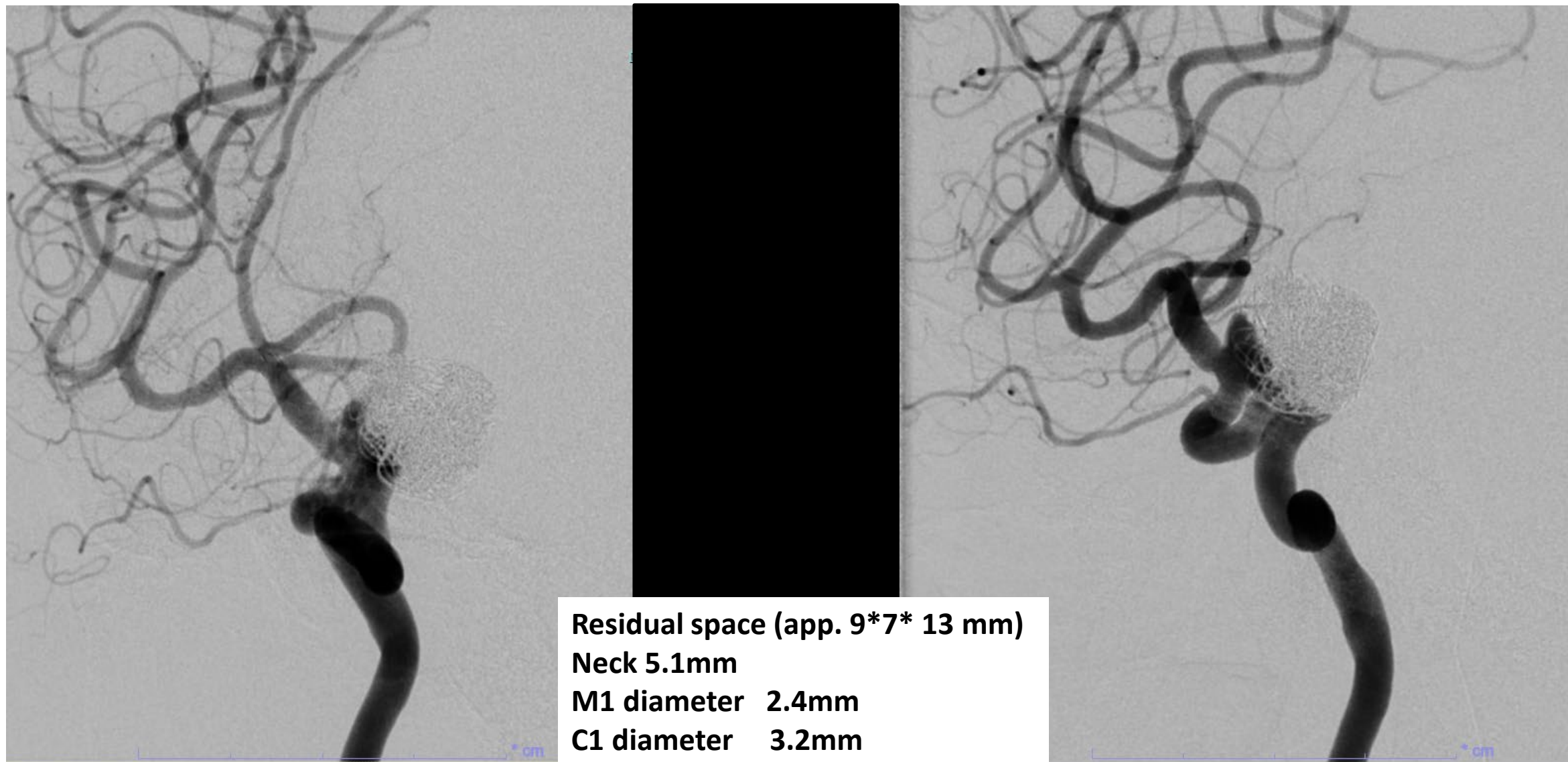
**M1 diameter 2.4mm**

**C1 diameter 3.2mm**

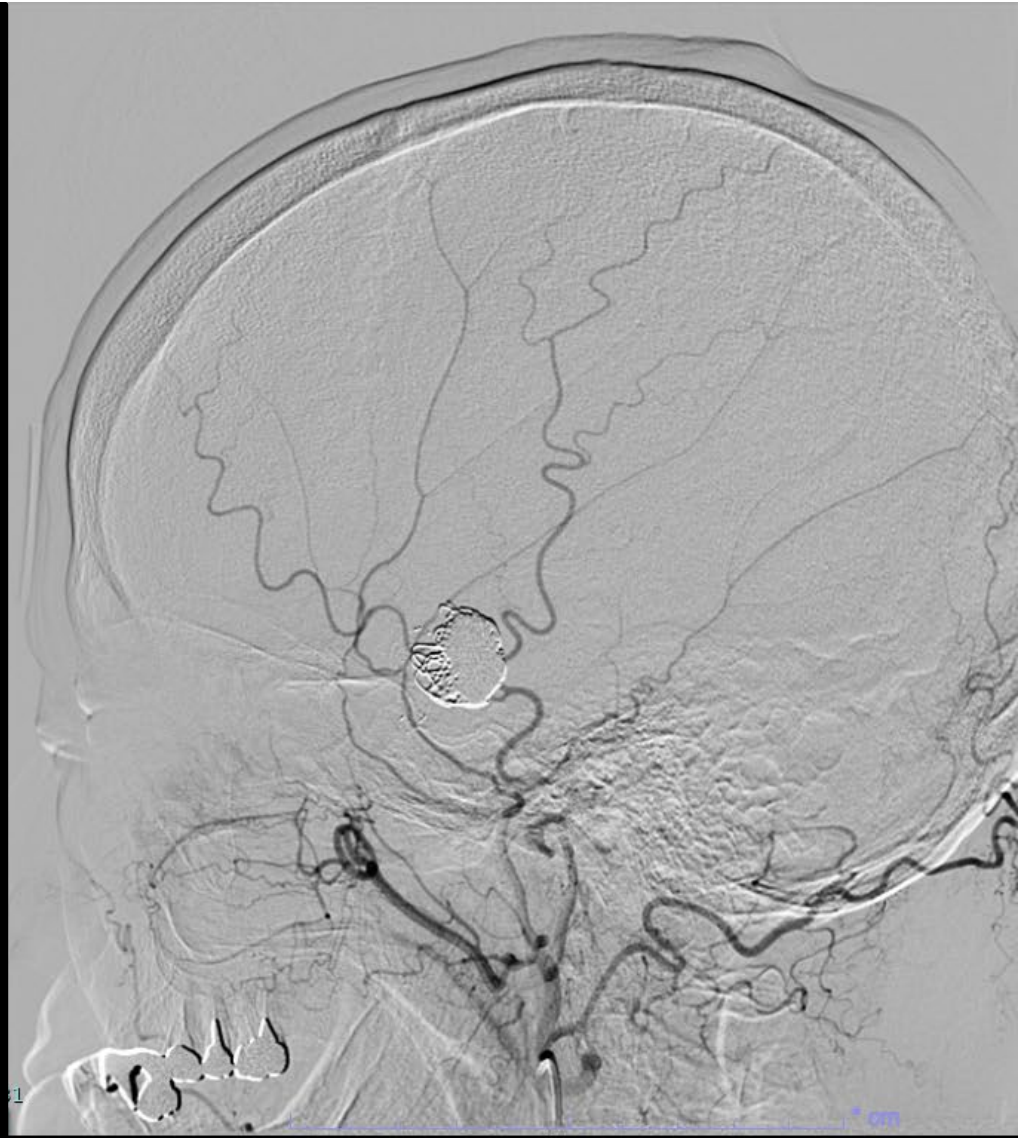
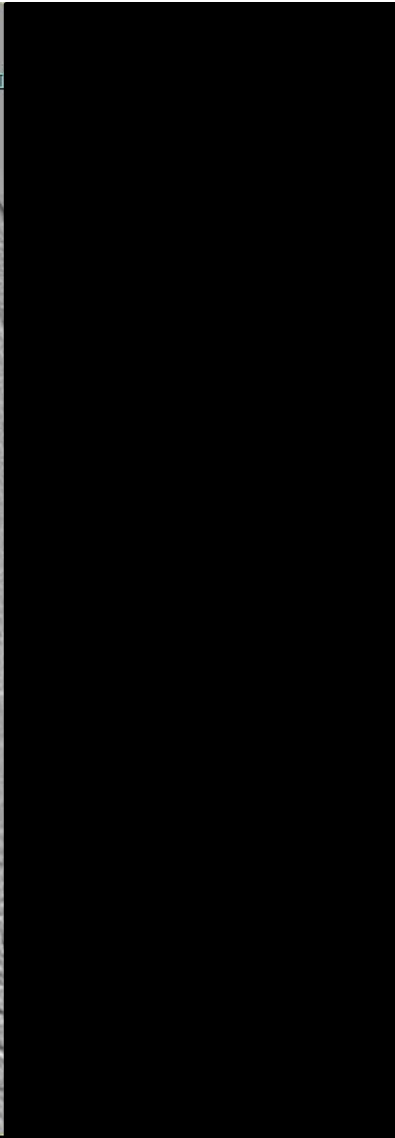
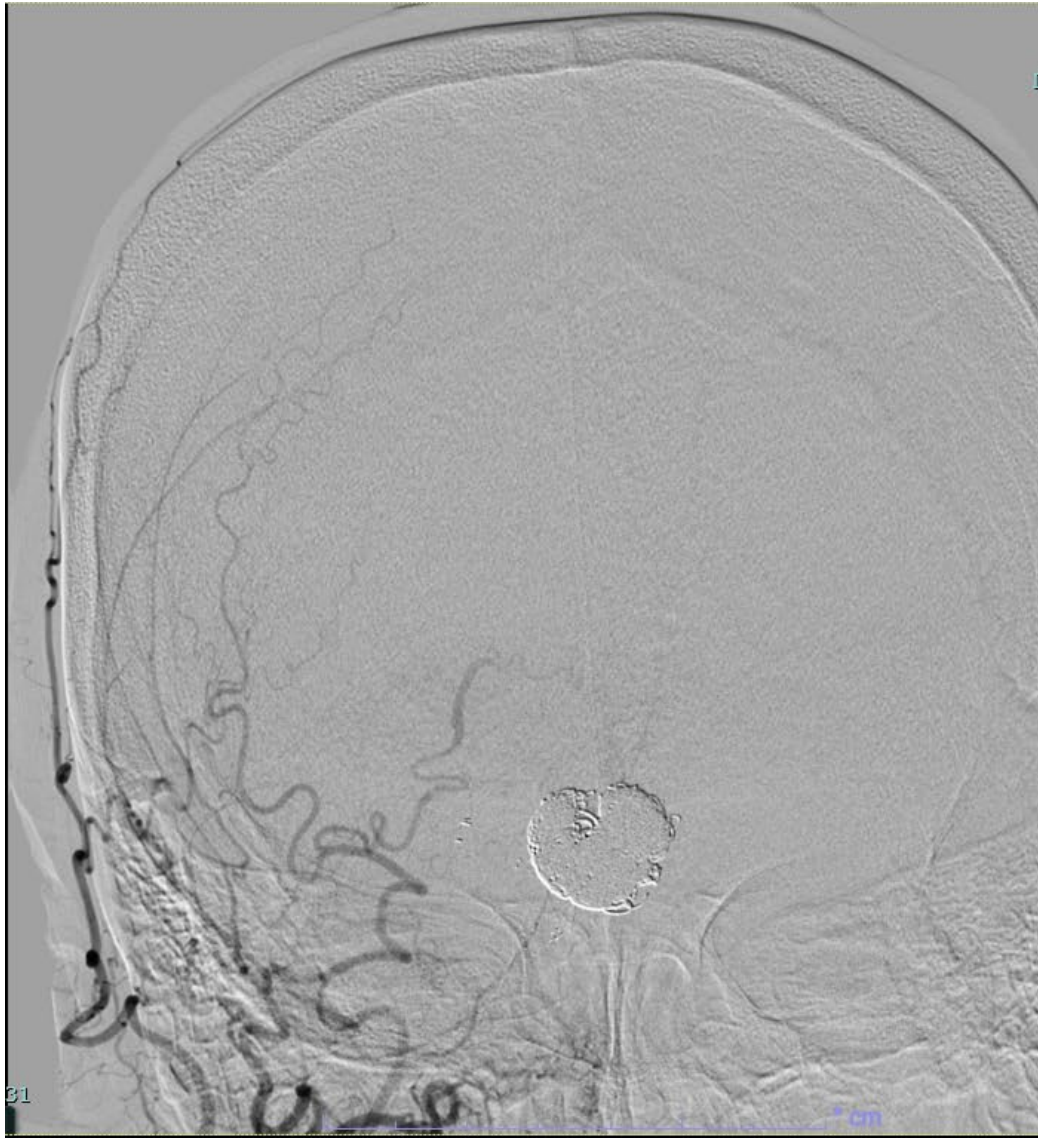
**C2 diameter 2.8mm**

**C3/4 diameter 4.1mm**

## Rt. ICAG Working angles

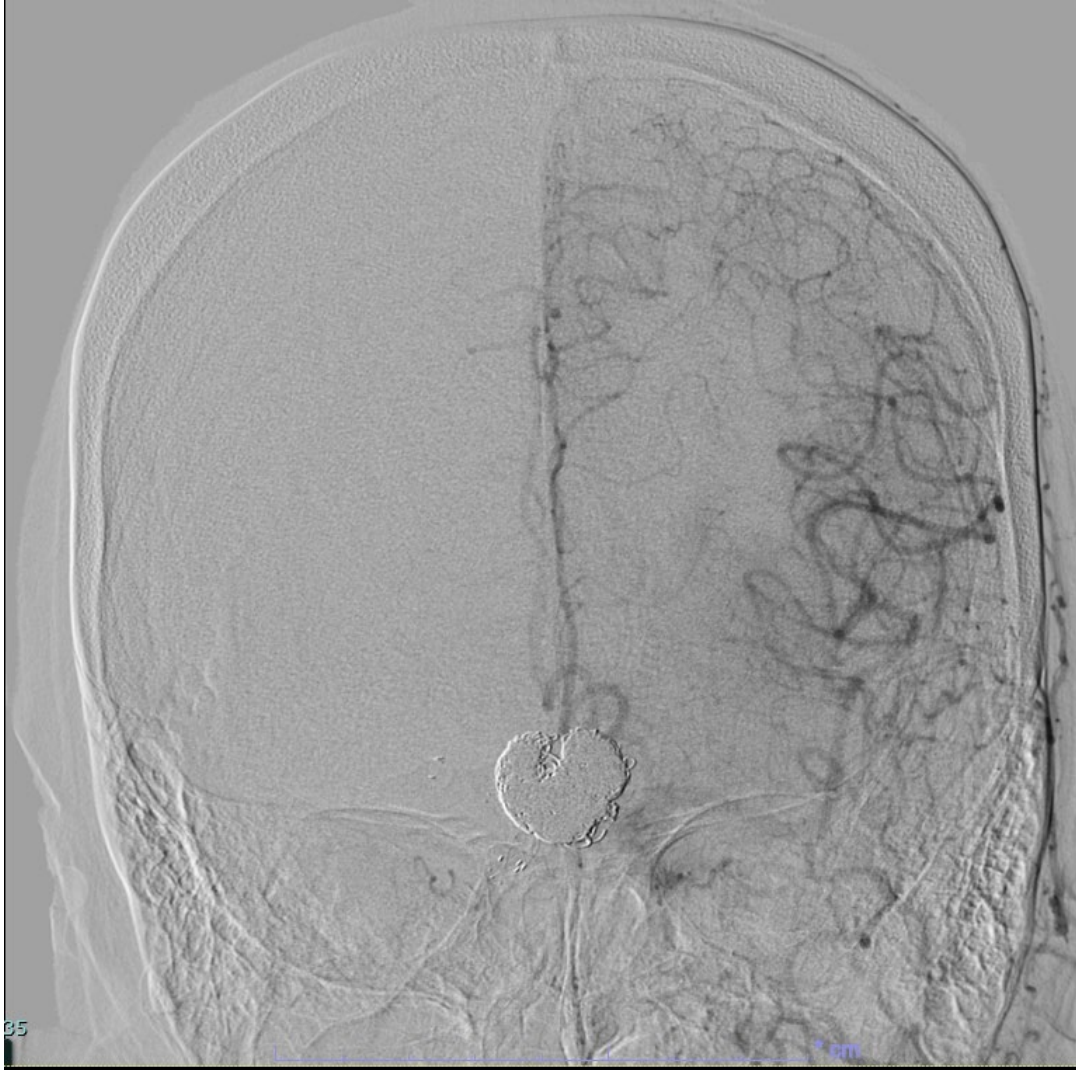


# Rt. ECAG





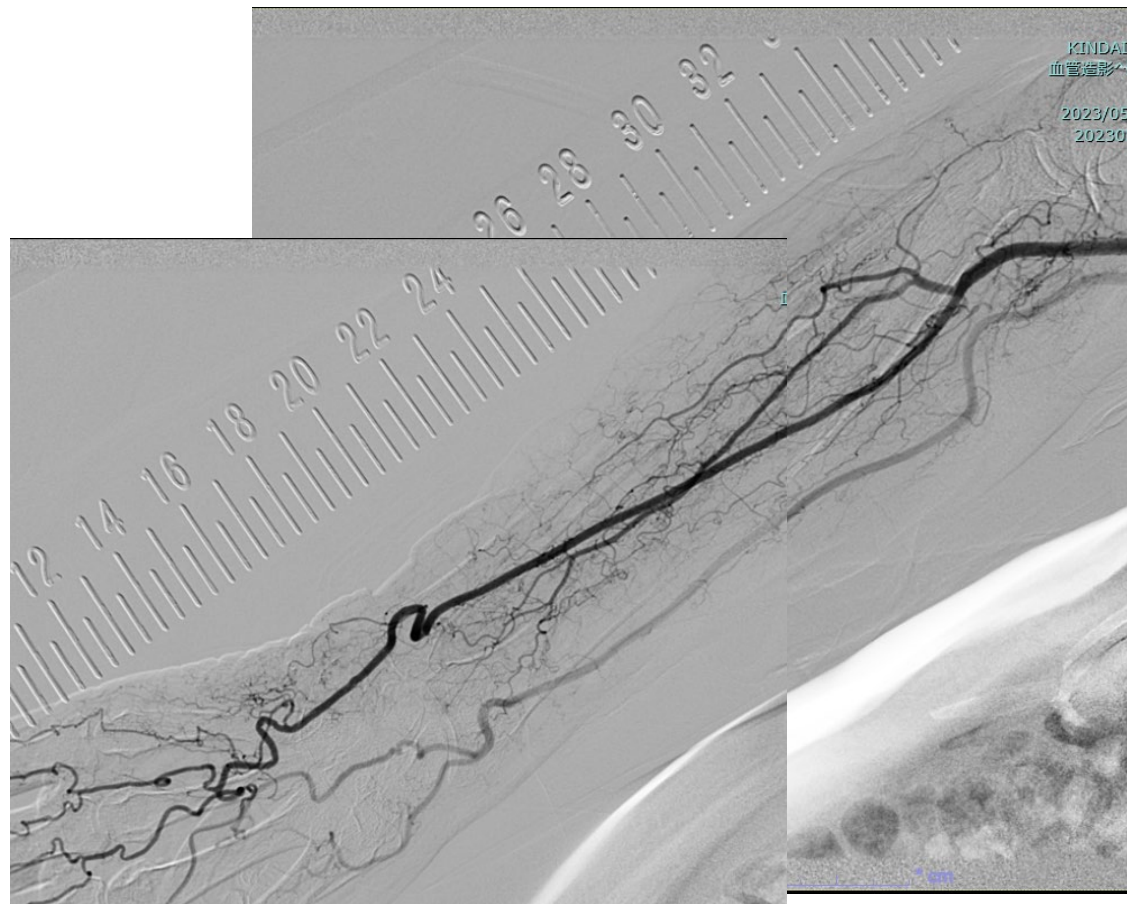
**Lt. ICAG**  
**(A-P, Rt. CCA compression)**



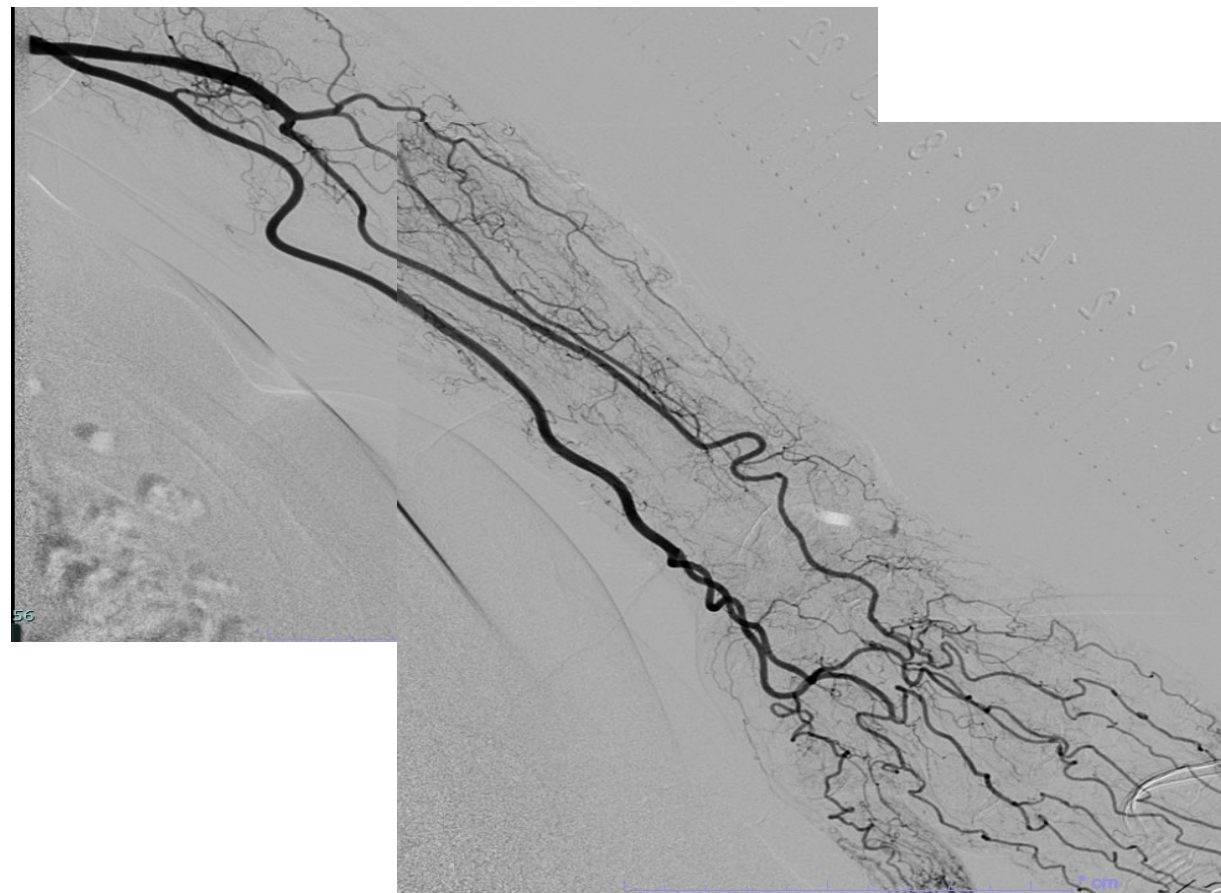
**Lt. VG**  
**(Lat. , Rt. CCA compression)**



**Rt. BrAG**



**Lt. BrAG**



## Case 1 summary

- ✓ 未破裂paraclinoid動脈瘤、3回の血管内治療を行ったが再発
- ✓ 瘤は増大しており症候性(急速な視力低下、視野狭窄の進行)

## To be discussed...

- ✓ 治療は？ 直達手術？ 血管内治療？ Hybrid?
- ✓ 血管内治療の場合
  - ①Coilの追加 ②Stent-assisted coiling ③Flow diverter (+coil)
  - ④母血管閉塞 ⑤その他