Curative Treatment Of Challenging Scalp, Ear And Mandible AVMs

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- 4 cases of challenging AVMs with ethanol embolization report
- 2 cases scalp AVMs, 1 case auricular AVM and 1 case mandibular AVMs
- Embolization procedure recorded in video

Disclosure

Neither I, nor my spouse or domestic partner, have at present and/or have had within the past 12 months a relevant financial relationship with a commercial interest

Case Report

- 25 years old Male Pulsatile mass in left scalp and had 3 embolization before and partial resection.
- Necrosis happened after the last Em in Oct.2015 and several episodes of serious bleeding occurred and need pressure dressing to stop
- This bandage last 2 months

Procedure of Open Bandage
Intraoperative Procedure

2.2F microcatheter angiography confirmed the lesion.

Point of Ethanol Injection

Flow decrease after release of coils

2 weeks later

Case Report

- 47 years old, Male
- Present at birth, evolving from a birthmark to gradually swelling mass
- Grossly dilated draining veins creating a cosmetic deformity of scalp
- Tinnitus, headache
- 1 session ethanol embolization with 50 ml and coils help
- Surgical removal of coils after 1 year later
CTA AVMs of Scalp

Embolization Procedure

Injection of Ethanol

Post-Embolization

Outcomes of Post-Em

Pre-OP 2 months later 3 years later

Outcomes of Post-Em

Pre-OP 2 months later 3 years later
Conclusion

- Hemostasis is important before Em, suture.
- Heart occluder can help when coils can not be placed.
- Coils improved efficiency of ethanol Em. The coils should be placed as distal as possible with microcatheter in the AVMs of mandible.

Thank you for your attention.