Combined EVAR and a Covered Stent in the Iliac Veins for the Treatment of Right Common/Internal Iliac Artery Aneurysms with Arteriovenous Fistula to the Right Common Iliac Vein

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Disclosure

Speaker name:

I have the following potential conflicts of interest to report:

☐ Consulting
☐ Employment in industry
☐ Stockholder of a healthcare company
☐ Owner of a healthcare company
☐ Other(s)

☒ do not have any potential conflict of interest
A 91-year-old Thai male

- Presented with right leg swelling for 2 weeks
- BP 165/90 mmHg, Temp. 37.1 C
- Physical examination revealed a pulsatile abdominal mass at right lower quadrant with bruit
- Duplex ultrasound ➔ No DVT
Past medical history

- Hypertension
- Dyslipidemia
- Ex-smoker
CTA aorta
AVF between CIA/CIV or IIA/CIV?
Planning

- Embolization of the right internal iliac artery branches
- EVAR by landing right iliac limb into the right external iliac artery
Procedure

Pre-op aortogram

Final aortogram
Post op
Second Operation

- Try to embolization IIA from venous site
Second Operation

Access via both CFV
Second Operation

Snaring the wire from above
Second Operation

Ballooning

Wall stent 16*60, Spiral-Z 1616
Final angiogram
Post op CTA
Conclusion

- An AV fistula between iliac artery aneurysm and iliac vein is unusual presentation (1-3%)\(^1\)
- Endovascular treatment of iliac artery aneurysm with AV fistula should be seen as a safe and viable form of treatment but may have some challenging situations

Thank you for your attention
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