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CRITICAL ISSUES
in aortic endografting 2012
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TIPS AND TRICKS FOR BRANCHED ILIAC

G Pratesi



Disclosures

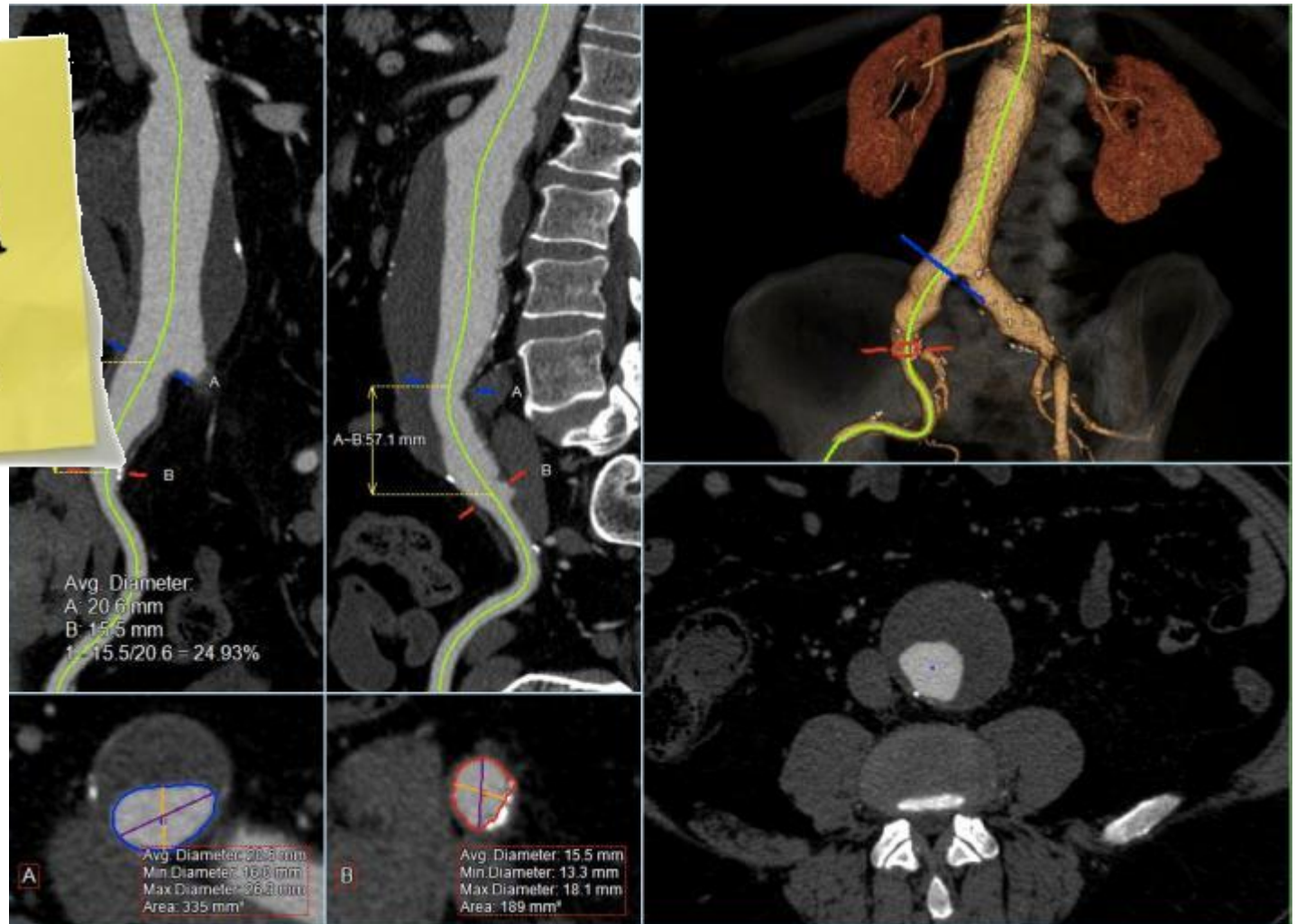
No disclosures

Branched iliac: standardized technique

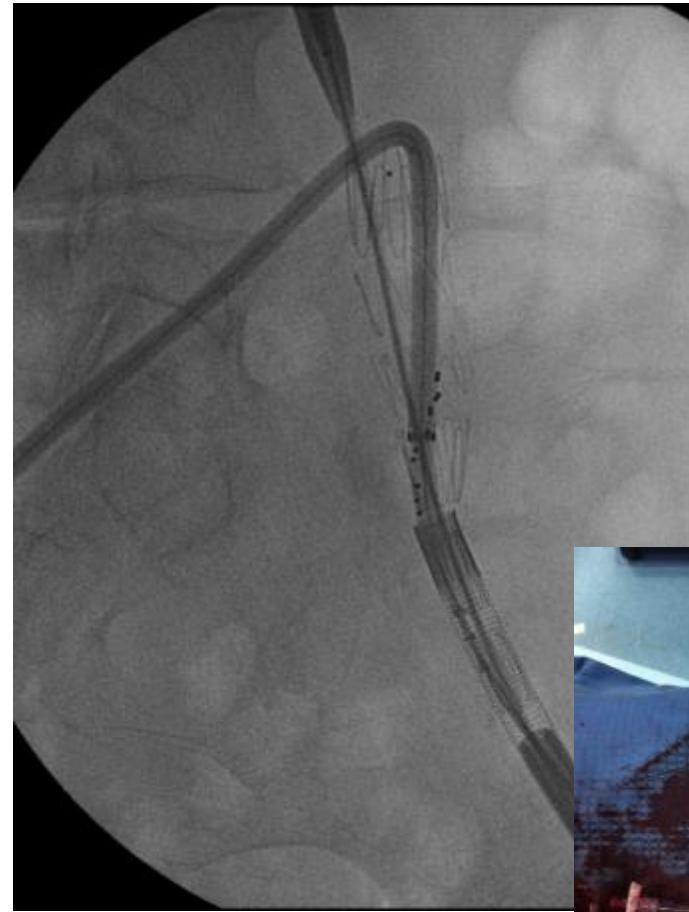
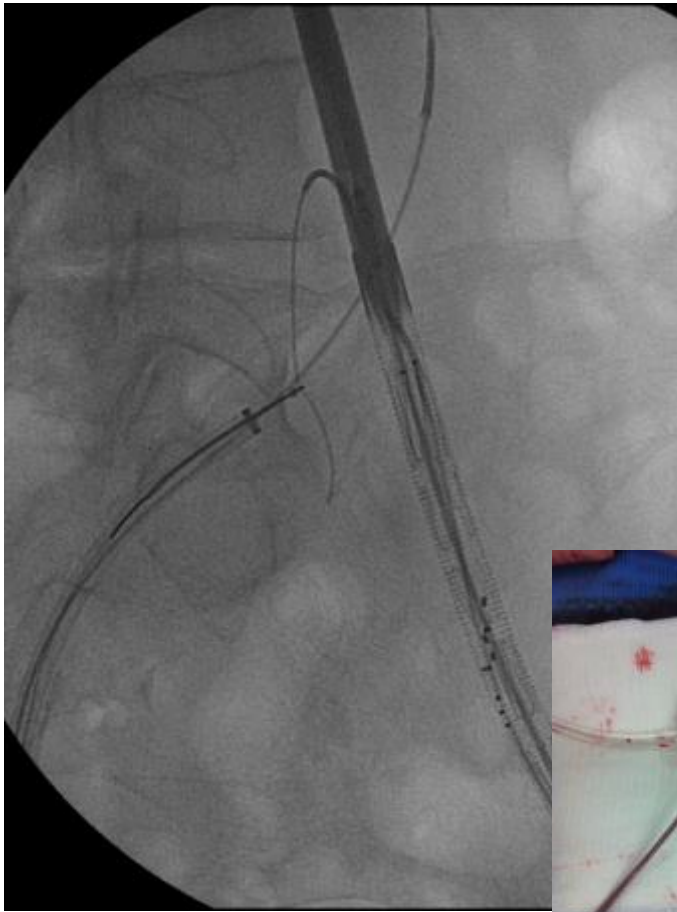


Tips and tricks for branched iliac: accurate indication and planning

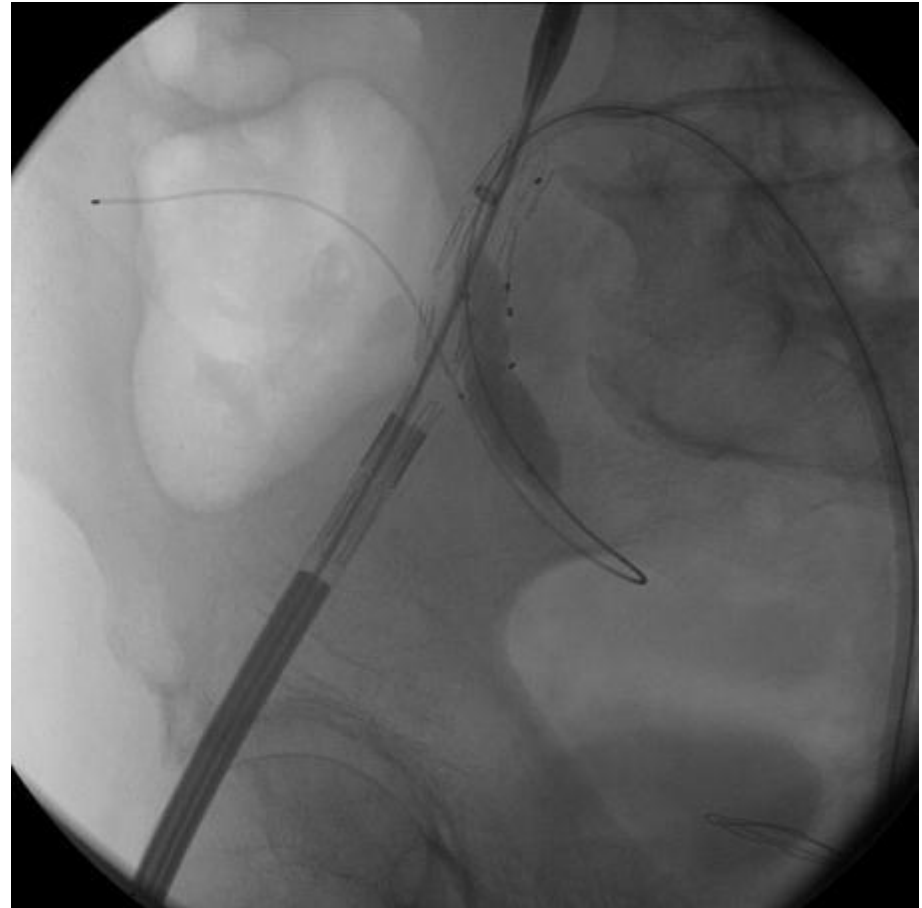
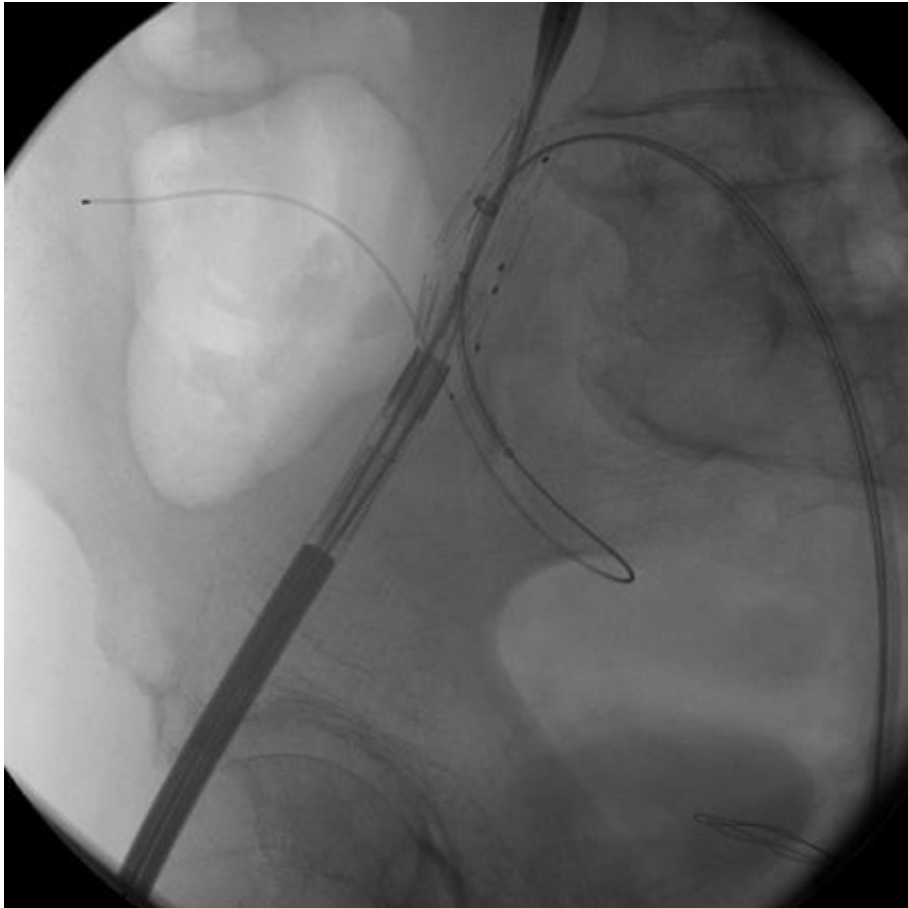
Helpful Tips



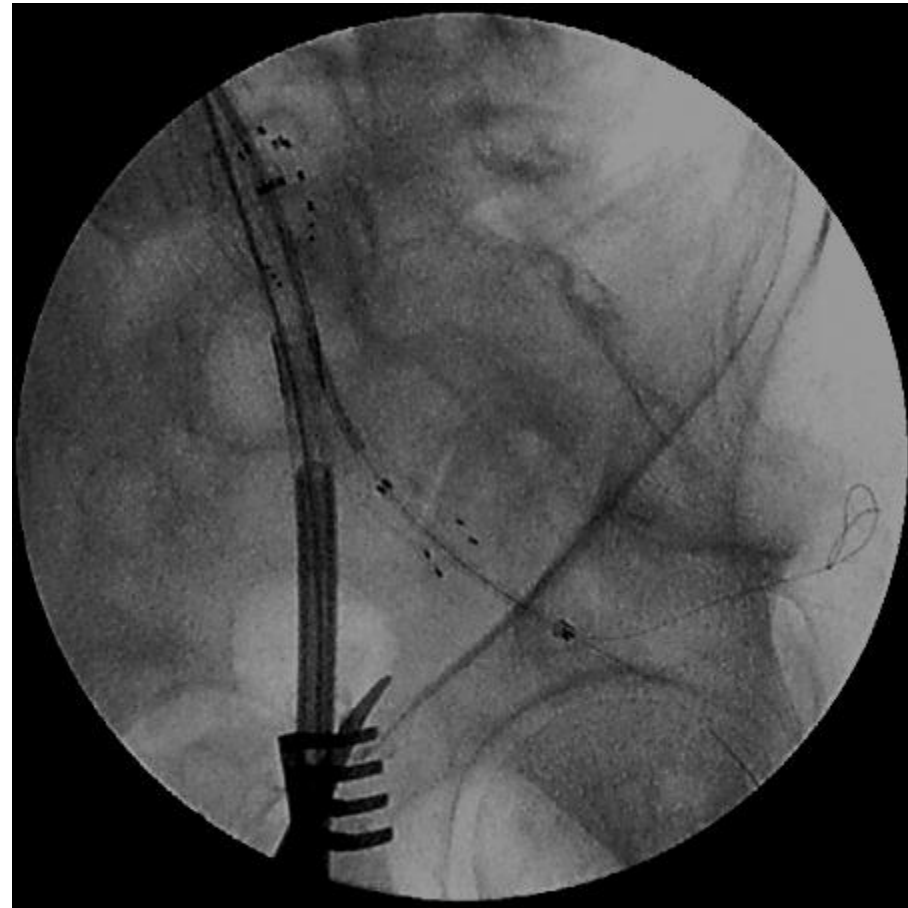
Tips and tricks for branched iliac: simplify the procedure



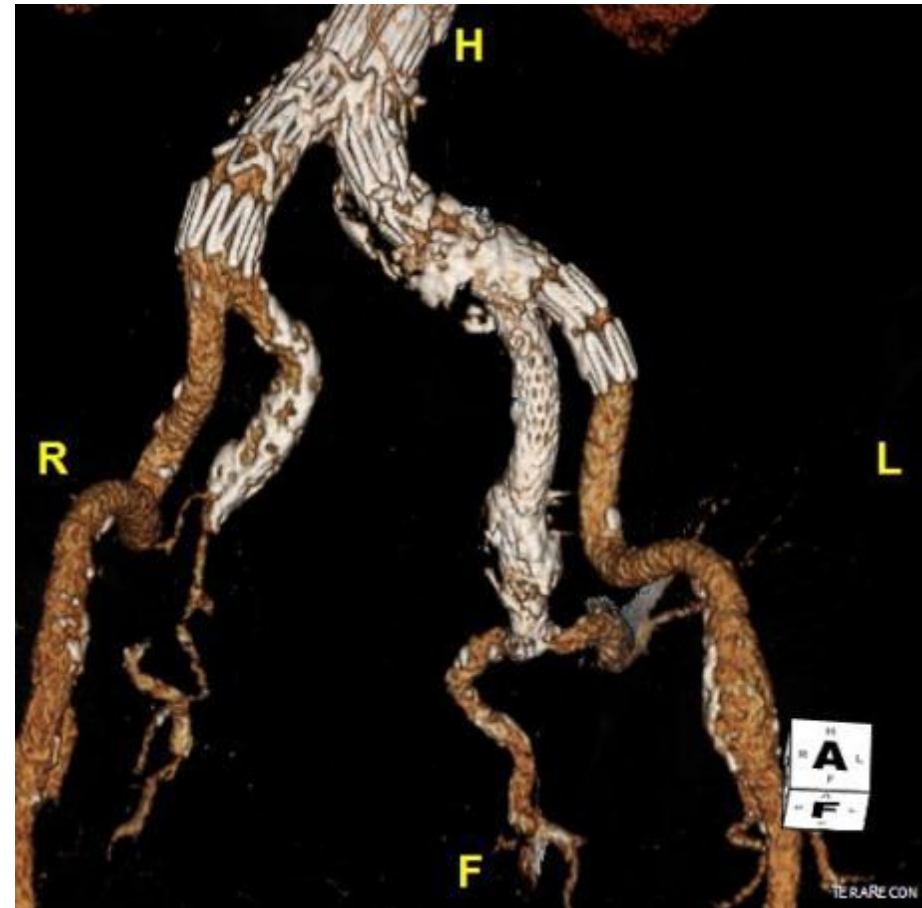
Tips and tricks for branched iliac: secure access to hypogastric artery



Tips and tricks for branched iliac: optimazing hypogastric landing



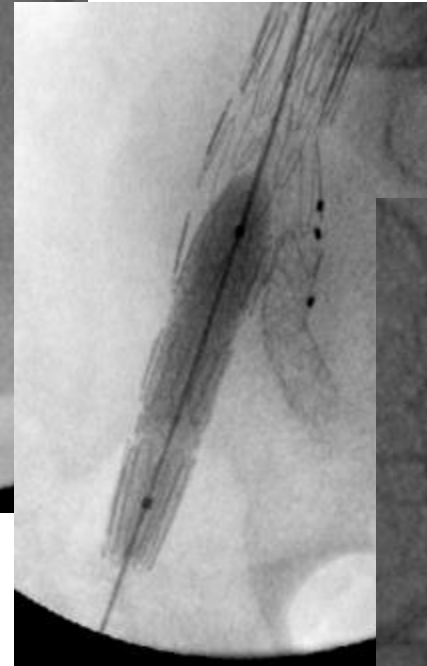
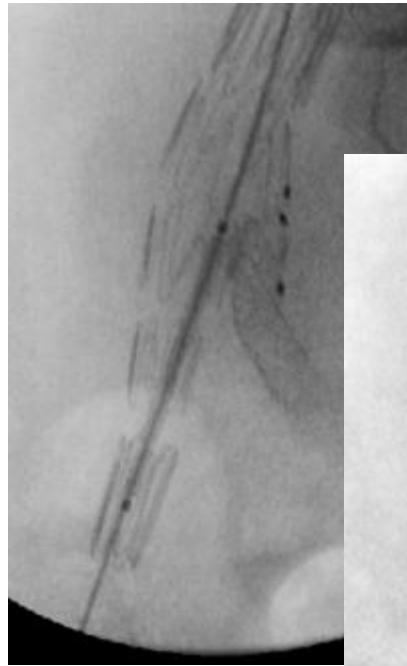
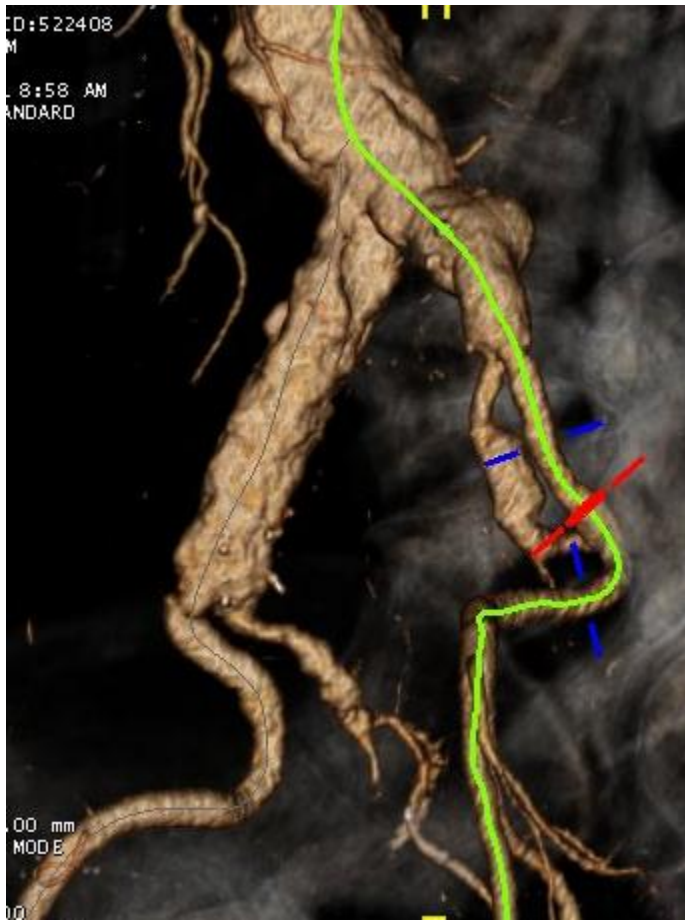
Tips and tricks for branched iliac: optimazing hypogastric landing



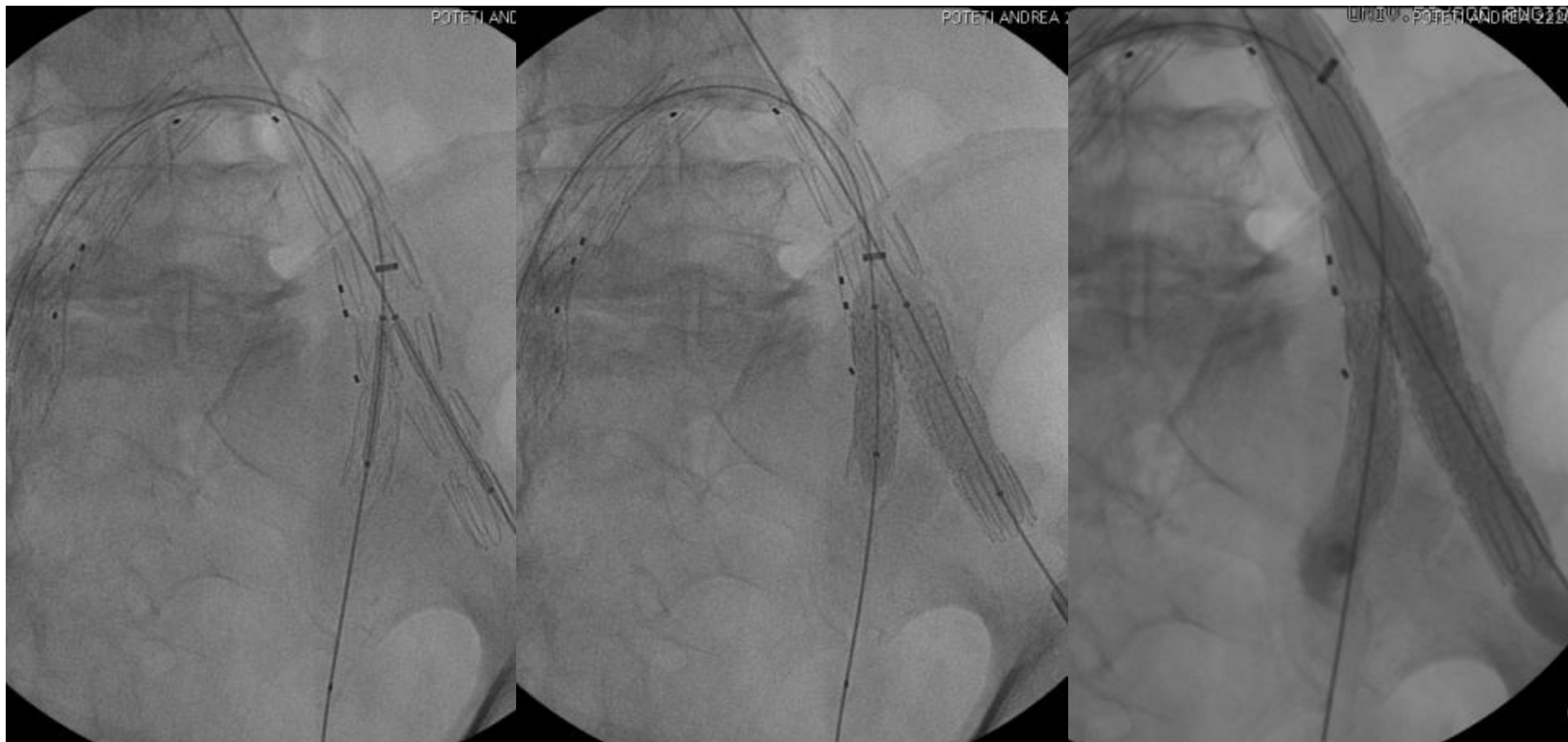
Tips and tricks for branched iliac: stabilize the branch



Tips and tricks for branched iliac: external segment stenting



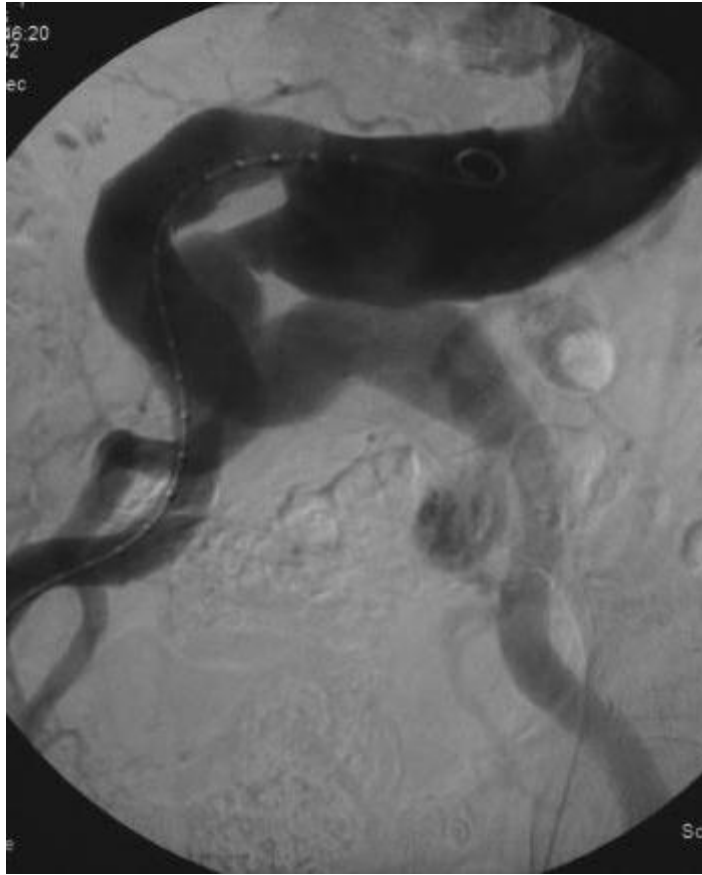
Tips and tricks for branched iliac: iliac branch kissing stenting



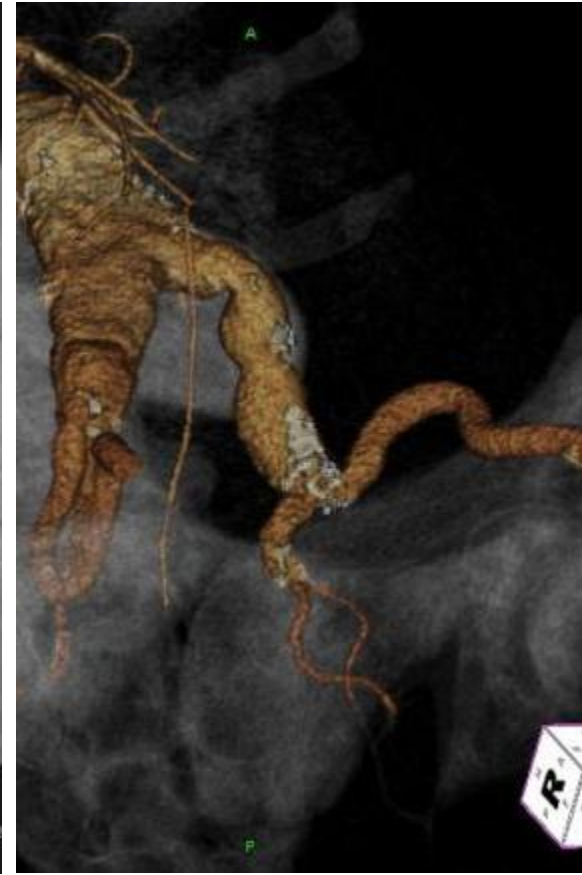
Tips and tricks for branched iliac: avoid extreme anatomies



Shape of aneurysm

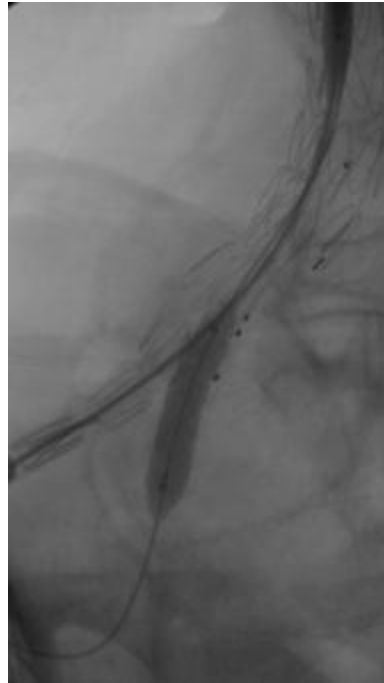
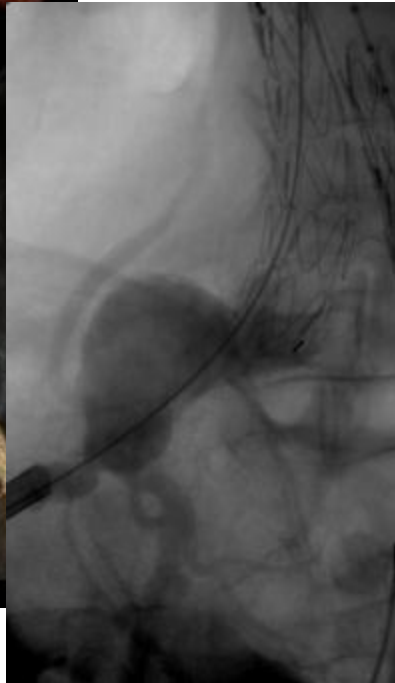


Tortuous Iliac Anatomy



Take-off angle

Tips and tricks for branched iliac: brachial access



Tips and tricks for branched iliac: tailored device selection

ZBIS



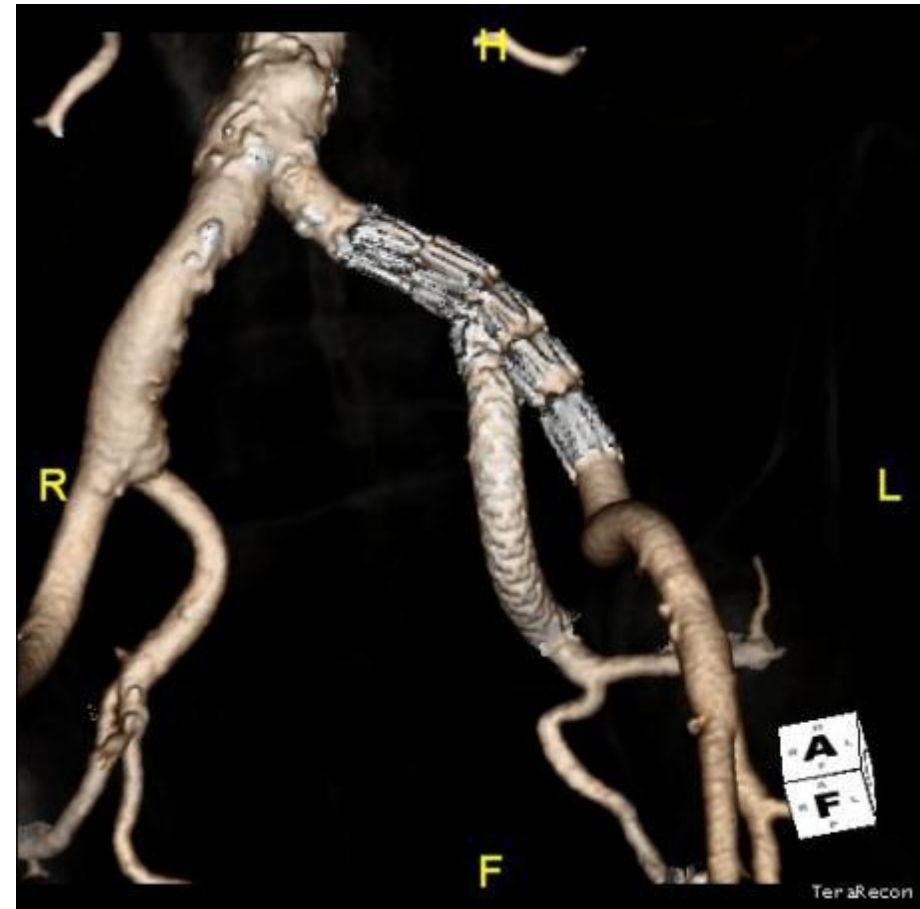
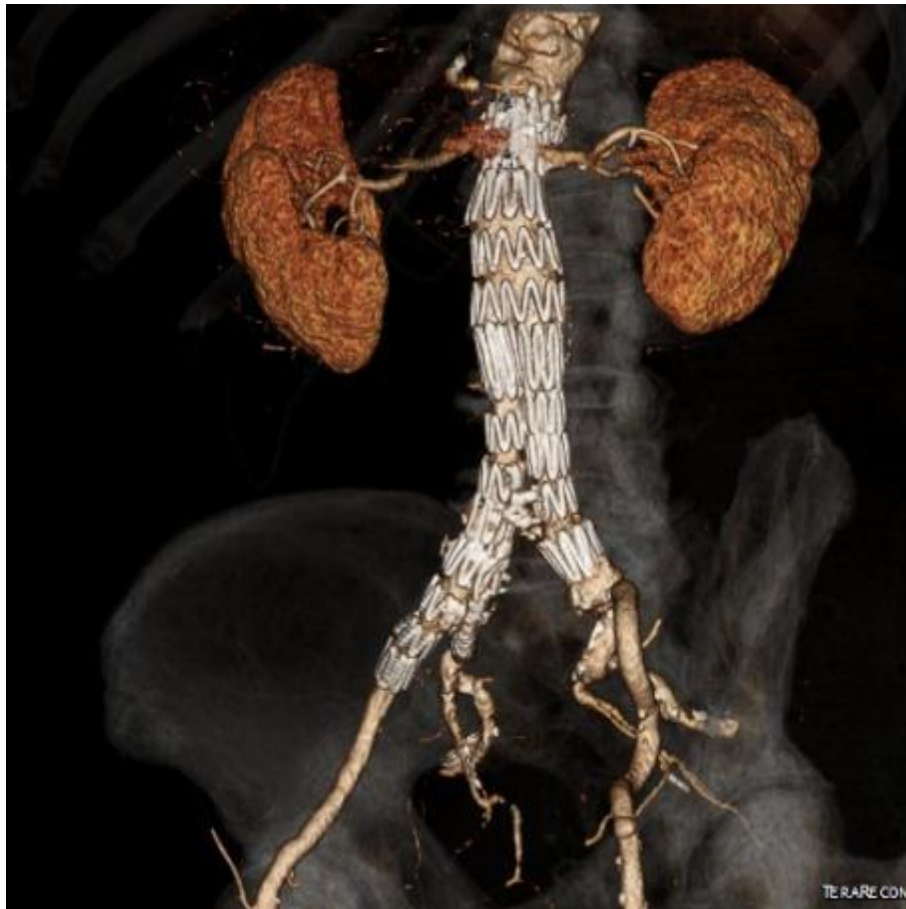
Helical



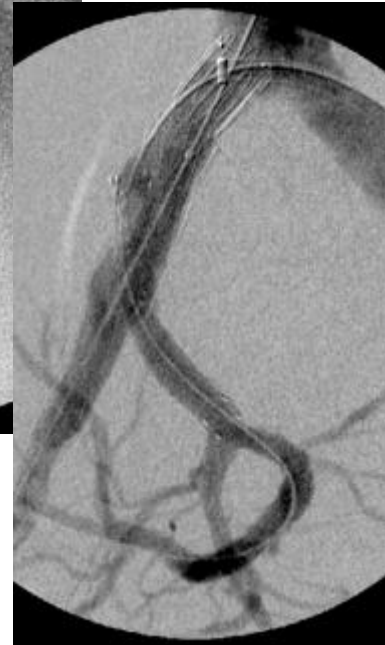
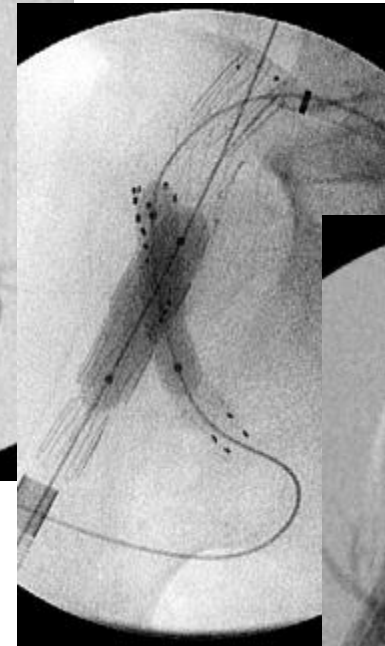
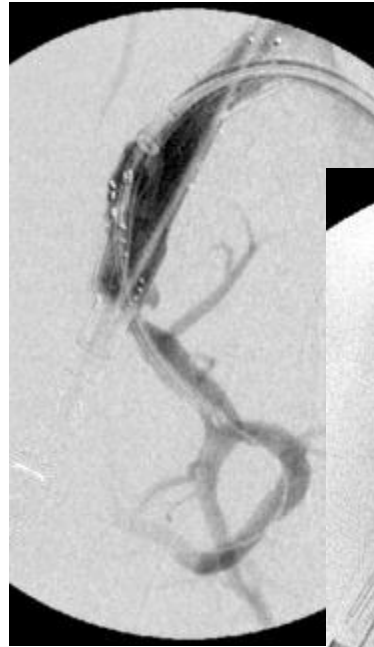
Bif-bif



Tailored device selection: straight branch (ZBIS)



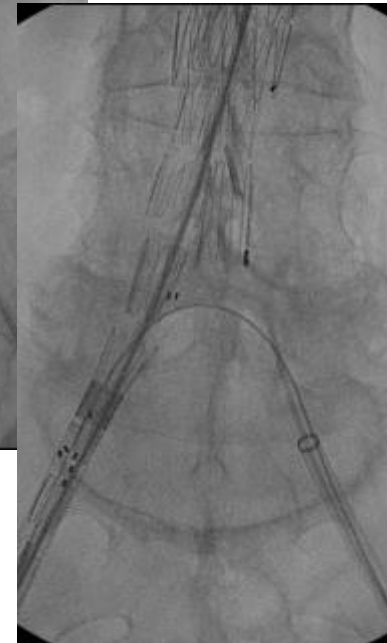
Tailored device selection: helical branch



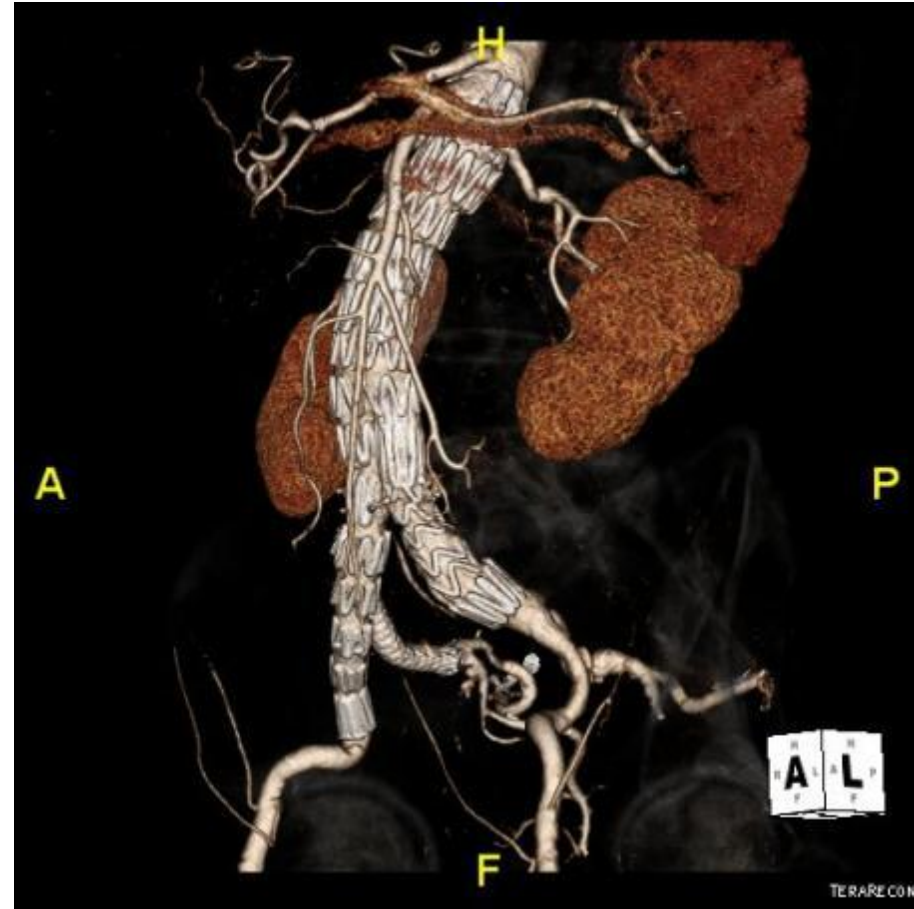
Tailored device selection: helical branch



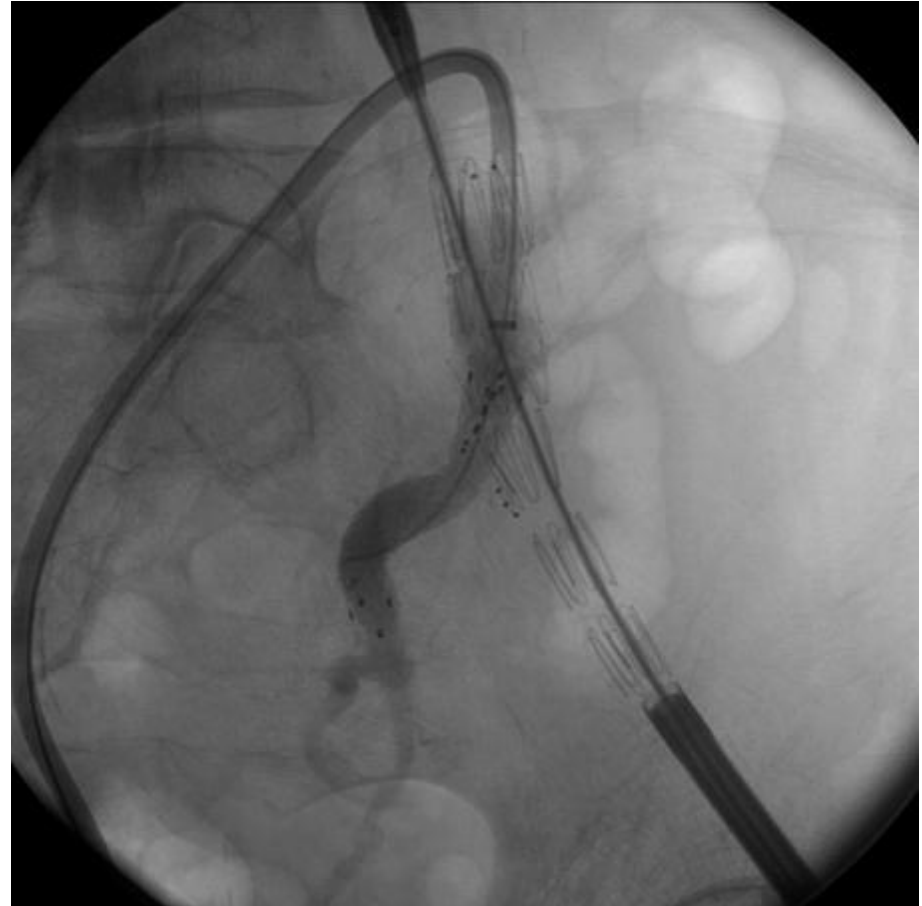
Tailored device selection: bifurcated-bifurcated branch



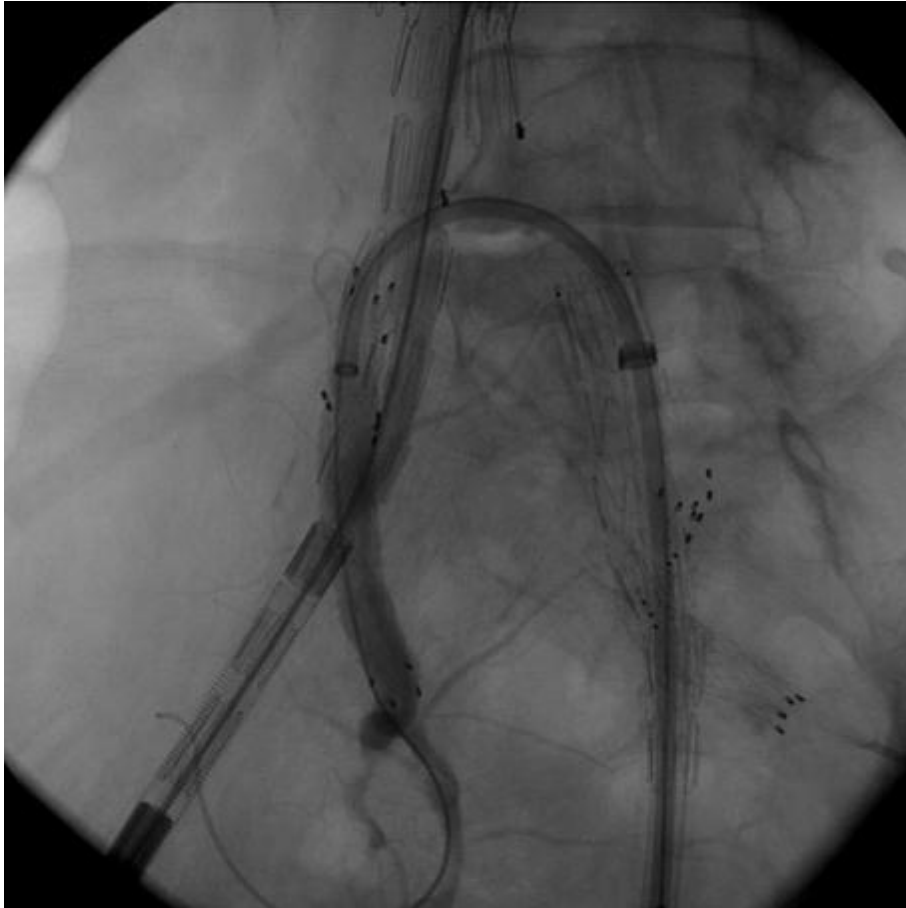
Tailored device selection: bifurcated-bifurcated branch



Tailored device selection: helical+bifurcated-bifurcated branch



Tailored device selection: helical+bifurcated-bifurcated branch



565 EVAR: 74 branch graft (13.1%)

(September 2007 – March 2012)

74 IBDs in 70 patients

70 male; mean age: 77,2 y (range 63-87)

AAA + unilateral CIAA	30 (42.8%)
AAA + bilateral CIAA	26 (37.1%)
Unilateral CIAA+ ectatic aorta	6 (8.5%)
Bilateral CIAA+ ectatic aorta	4 (5.7%)
Isolated CIAA	3 (4.2%)
Distal type I EL in previous EVAR	1 (1.4%)

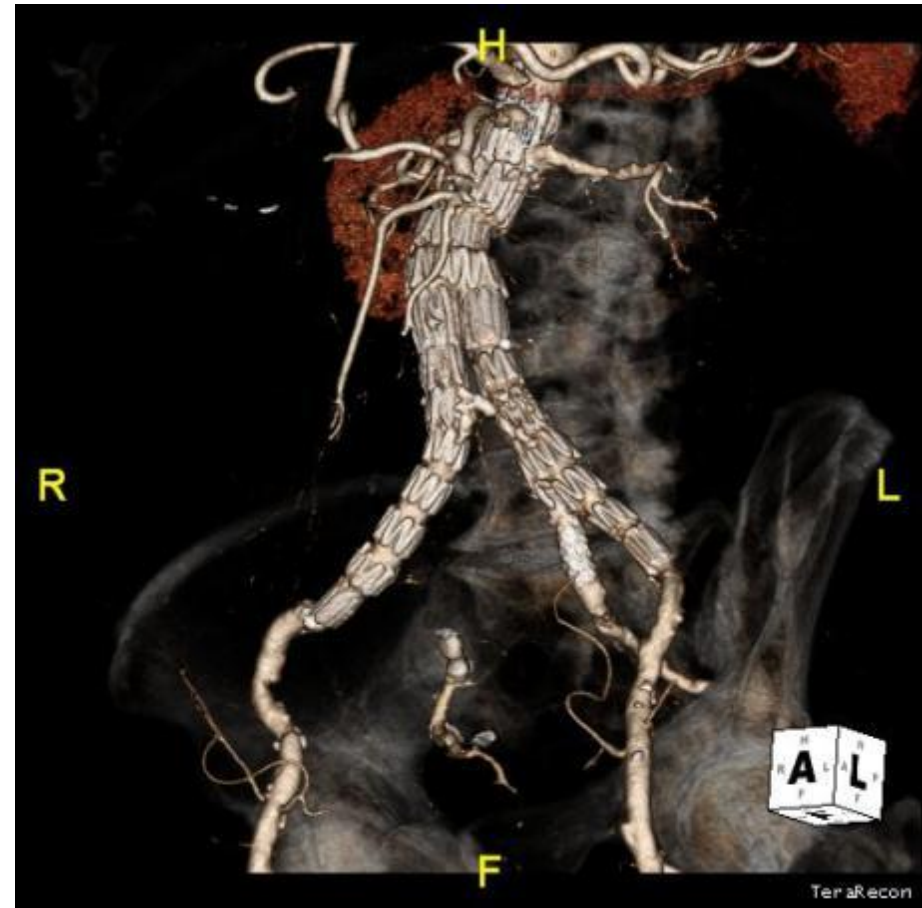
Early results

	N	%
Technical success	74	100
Branch occlusion	-	
Iliac endoleak*	2	2.7
Reintervention	1	1.3
Limb occlusion	1	1.3
Buttock claudication**	7	9.4
Mortality	-	

* 1 pts with hypogastric exclusion without embolization

** Omolateral to hypogastric exclusion in patients with bilateral CIAA

Mean hospitalization: 3.6 d (range 2-7)

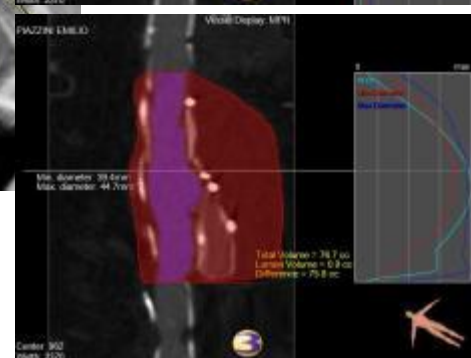
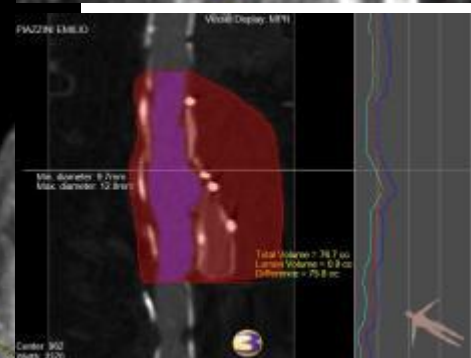
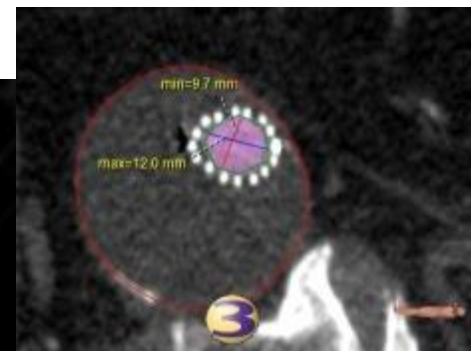
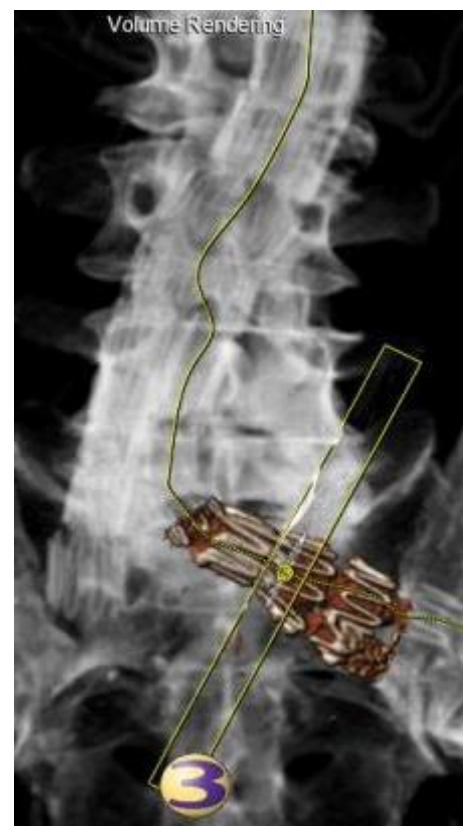


Mid-term results

	N	%
Branch occlusion	1	1.3
Iliac endoleak	1	1.3
CIAA shrinkage	24	32.4
Reinterventions	1	1.3
Limb occlusion	-	
Buttock claudication*	5	6.7
Mortality	5	6.7

* Omolateral to hypogastric exclusion in patients with bilateral CIAA

Mean follow-up duration: 18.4 months (range 1-54)



Conclusions

- Respect some key points to expand applicability without increasing the complexity of the procedure and compromising outcomes

