MEET 2015



Ovation[™] Prime Stent Graft System can be used for challenging anatomy in EVAR cases

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Disclosure slide

Speaker name: Koen Keirse, MD

□ I have the following potential conflicts of interest to report:

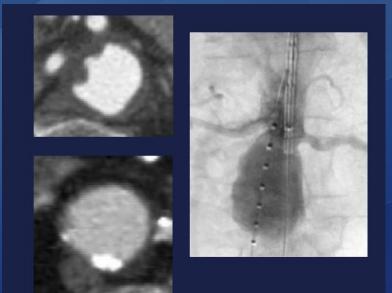
- □ Consulting
- Employment in industry
- □ Stockholder of a healthcare company
- □ Owner of a healthcare company
- \Box Other(s)
- VI do not have any potential conflict of interest

Problems with Commonly Used Stent Grafts for AAA

Narrow and tortuous iliac arteries preclude access to treatment area



Hostile necks, thrombus and calcium prevent an effective seal



OvationTM Prime Stent Graft System

 Appears to be a compelling therapy option for EVAR

The ultra low profile (14F OD) and novel sealing technology expands the treatable pool of patients on label

The pre-market clinical data (CE and FDA) are very encouraging

• But can excellent Clinical Trial Results be mirrored in our Clinical Practice

14F OD Ovation[™] Abdominal Stent Graft System

Suprarenal nitinol stent with integral anchors for fixation

Tri-modular design

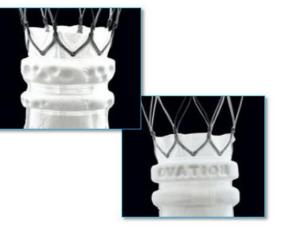
Low-viscosity, radiopaque, fill polymer

13-14F OD conformable iliac limbs



14F OD main body

Inflatable rings for optimal seal



Novel Design Paradigm

Robust and Conformable Seal

Other stent grafts use wire and fabric to create *points* of apposition

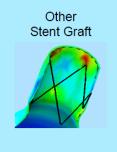
Ovation Prime's sealing ring provides *continuous* apposition, even in irregular and / or tapered anatomy 14Fr OD Ovation Prime Stent Graft

y eliminates stent / materia nificant reduction in profile lising durability sentation of a stent graft

Note: FEA simulations indicate elevated stress points in pink and red coloring

The Ovation Prim components deliv 1. Suprarenal

- secure the secure the
- 2. Biocompatil for a robust



Ovation Prime Sealing Rings



EU Postmarket OvationTM REGISTRY

ter

INCLUSION criteria

- Subject > 18 years
- Intention to electively implant the Ovation CC
- Treatment of AAA in accordance with IFU of Ovation SG
- Subject signs Informed Consent Form
- Subject has the willingness to comply with follow-up exams

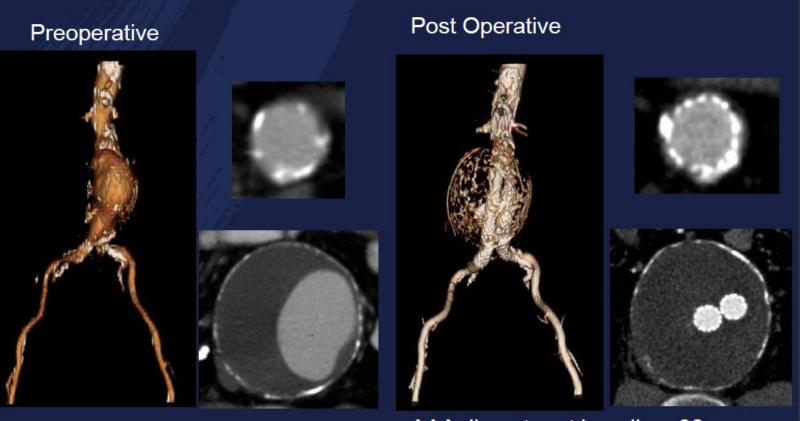
Two challenging



	E Becquemin	6
oatients at 30 sites	Bosiers	1
	Bresadola	6
	Castelli/Carrafiello	5
	Chiesa	7
	Chong	1
	Delle	3
	🚺 Fanelli	4
	E Giudice	8
	💳 Krankenberg	22
	Labarbera	2
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bő	Nano/Malacrida	12
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	E Scheinert	18
	🗮 Serracino Inglott	6
	📒 Sievert	4
	E Storck	17
	Taurino	6
	Tenholt	25
	Thompson	4
	Vermassen	4
	Volpe	8

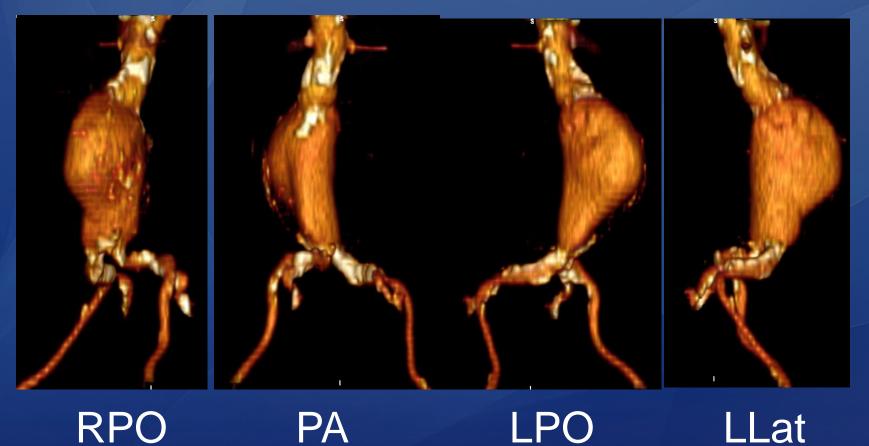
Ovation new to the registry patient in where operators echnology when enrolling first the of Jo 2/3 More than

Case 1 (#006 Registry)



AAA diameter at baseline: 90 mm

Preop aortic views

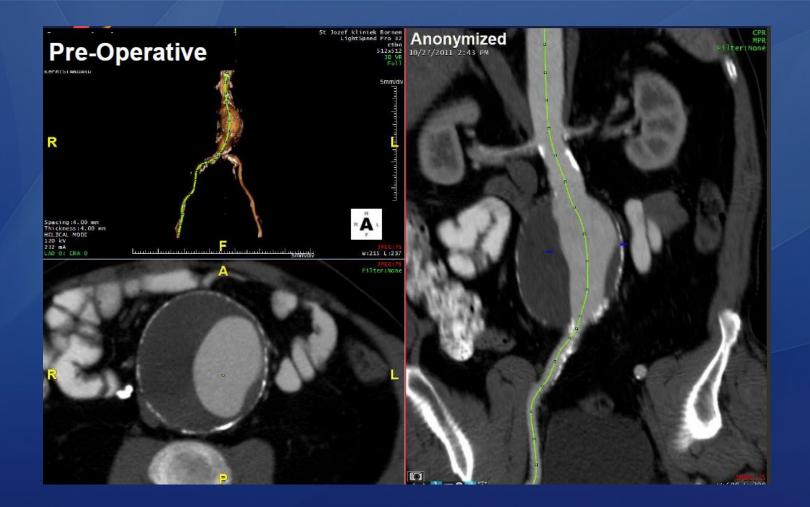


PA

LPO

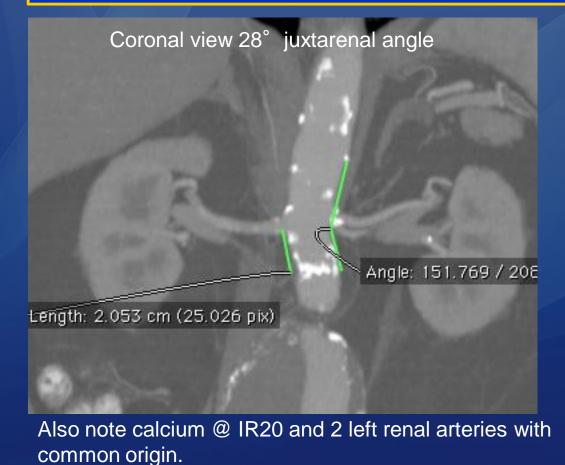
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Preop angio-CT



Proximal Neck

Calcium present in perirenal neck. At 15 minutes post mix time perform angio to evaluate proximal seal. Treat if necessary with compliant balloon.



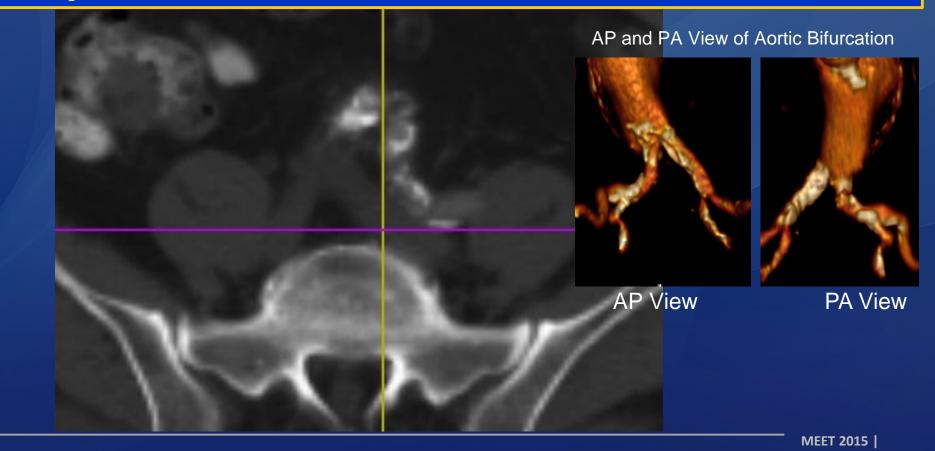
Right Lateral View of calcium in neck



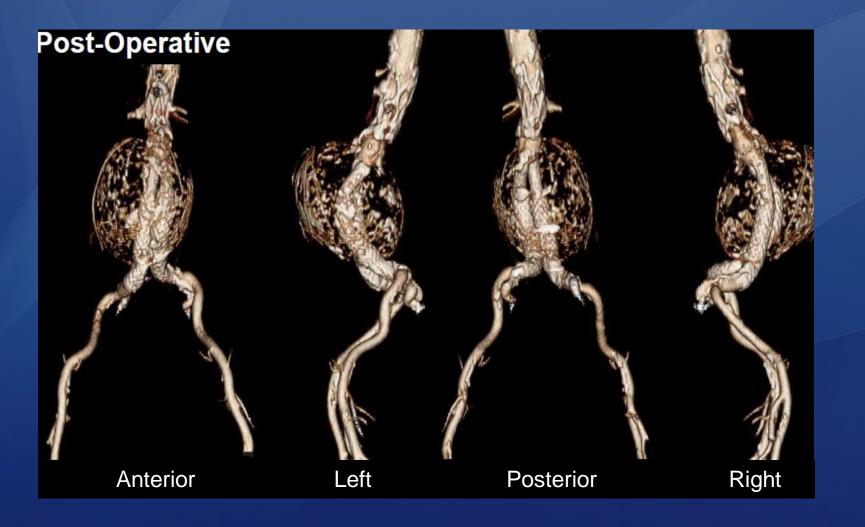
Landing Zone

Highly calcified bilateral common iliac arteries. Advancing a 14Fr dilator through commons to sac might help. Dilatation with PTA balloon may be necessary to allow delivery catheter to advance.

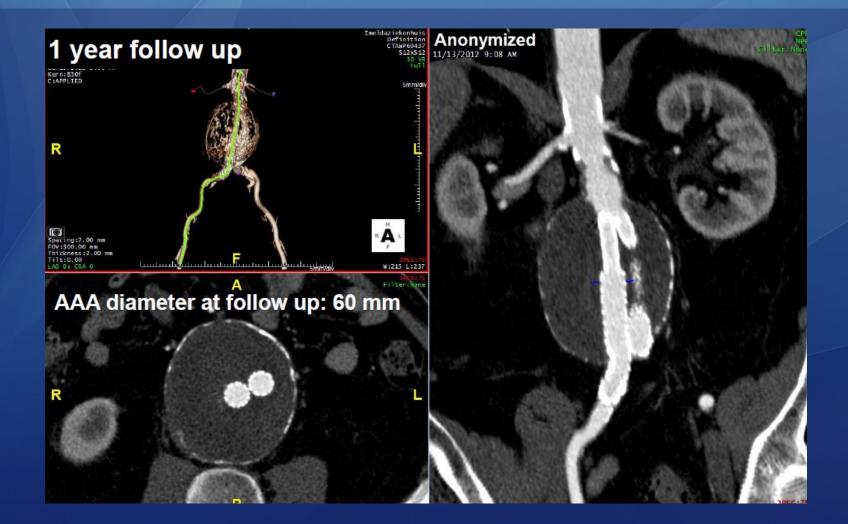
Prepare kissing post deployment 12x40 PTA from flow divider, through native bifurcation to end of grafts.



RESULT



RESULT



Case 2 (#320 Registry)



Anterior

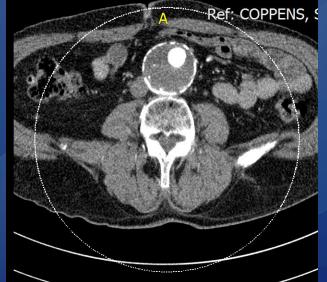
Left

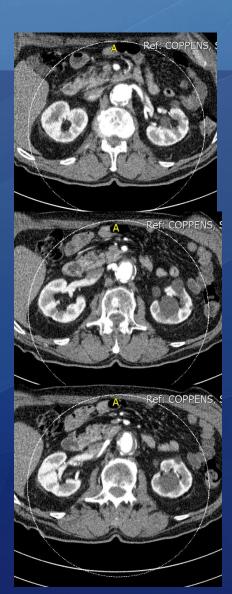
Posterior

Right









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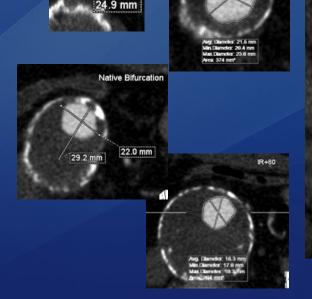
Proximal Neck

Thrombus present in perirenal neck. Pull stiff guidewire back during polymer fill. Ease tension on delivery catheter if present. Suggest angio at 15 minute mix time to assess seal. Treat with compliant balloon if needed.

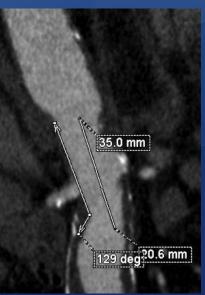
IR+13 seal ring

24.3 mm

- Heavy thrombus and circumferential calcium in the aortic neck down to the native bifurcation.
- Narrow flow lumen at IR+80 (~18.6mm in diameter).



Juxtarenal angulation of 51 degrees (apex @~IR+16).



Iliac Landing Zone

Suggest kissing balloons post deployment 12x40 PTA from Aortic Body overlap through native bifurcation .

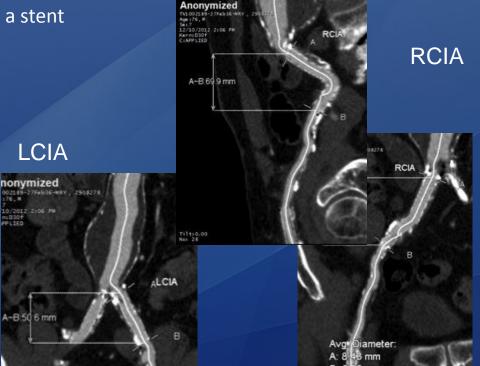
-R 6

Bilateral stents in common iliacs as well as a stent ulletin the right external iliac.

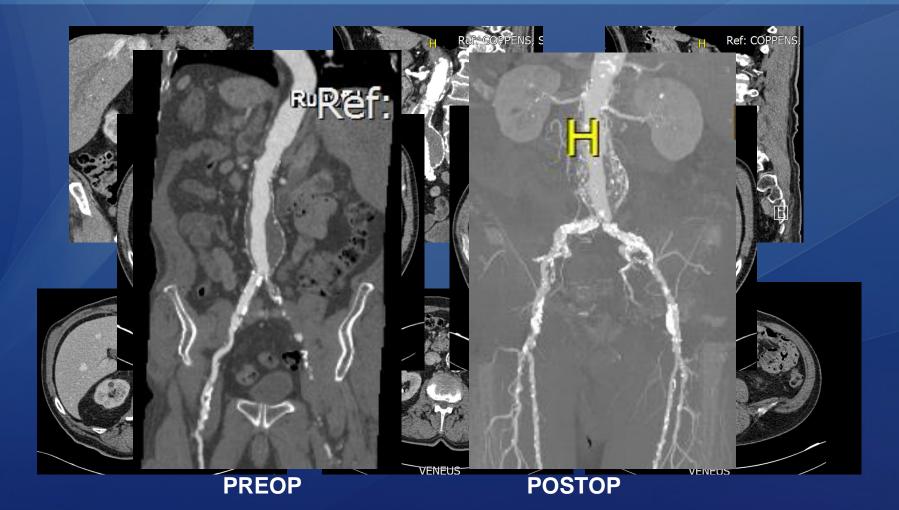
REIA





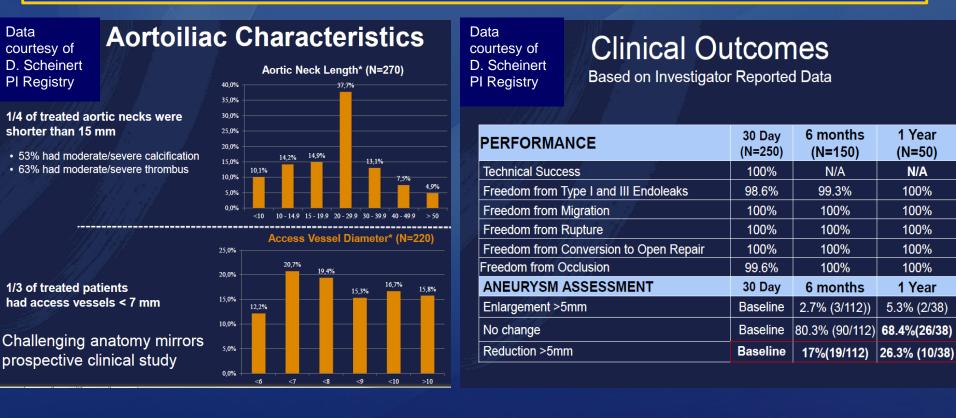


RESULT



EU Post Market Registry

Ovation Stent Graft continues to show excellent results in the treatment of AAA. The unmatched low profile delivery system offers reliable options also in patients with challenging anatomies.



SUMMARY

- 14F OD has enabled or simplified treatment of patients with narrow and calcified vessel
- The polymer filled sealing rings increased confidence in patients with calcified or thrombus filled necks
- Expanded our ability to treat more challenging anatomies on-label (IFU)
- Encouring results from the tightly controlled clinical study appear to be confirmed in broader use in the context of a post market registry
- Additional follow-up will be evaluated to confirm these early results