











AB	ABRE IDE Trial – Demographics		
Demographics Age (years) (Mean ± SD) Fernale BMI (kg/m?) (Mean ± SD) Medical History Previous history of VTE Known family history of DVT Pulmonary embolism Smoking (active) Thromboghilia Canare (mojoing or remission)	51.5±15.9 66.5% (133200) 29.5±7.1 52.0% (104/200) 12.0% (44/200) 12.0% (24/200) 11.0% (23/200) 11.0% (23/200)	Initial Clinical Presentation	8.0% Target Limb 92.0% • Left • Right
IVC filter present	5.0% (10/200)		VEITHSYMPOSIUM

ABRE IDE	: Trial – Pr	Procedural Data
Reference vessel diameter (mm) (Mean ± SD)*	15.0 ± 2.7	(34/95) had a complete venous occlusion
% Area stenosis (Mean ± SD) <sup>†</sup>	74.9 ± 16.8	committed by the core lab.
% Diameter stenosis (Mean ± SD)*	63 ± 28.6	
Lesion length (mm) (Mean ± SD)*	112.4 ± 66.1	CEV Stepted (p = 88)
Total stented length (mm) (Mean ± SD)*	134.3 ± 58.0	
Number of Abre stents implanted per subject	1.5 ± 0.6	
Stented vein <sup>‡</sup> Common iliac vein	96.0% (192/200)	0) 17.0% PTS
External.iliac.vein		QL.
Common femoral vein (CFV)	44.0% (88/200)	70.5% *80/1
Challenging population treated in the Al stents in 88 subjects (44%) extended be ligament.	BRE Study: low the inguinal	VEITH











Stent Fracture and Delayed Stent Migration				
An average of 1.5 stents w	vere implanted per subject.			
Secondary endpoint through 36 months				
Number of stents with fracture <sup>†</sup>	0.0% (0/215)			
Secondary endpoint through 36 months				
Delayed stent migration‡	0.0% (0/214)			
No stent fractures or delayed stent	migration reported through 36 months.			
or breakage of any portion of the steri. Determined by X-ray for the first 30 subjects at 30 days - damage of a venous steri observed with an imaging modality +1 cm from its original location at	and for all indepedia (inducing the first 30 subjects) at 12, 34, and the conclusion of the index procedure, as determined with regard to EVENTH 5 1 11 P 0 5 1 1			







### Patient History

#### Patient Profile Female in mid 30s

- Complains of LLE aching and heaviness, worse with standing, and swelling from knee down
- Compliant with compression, however, has difficulty working secondary to discomfort
- Relevant Medical History

  Knee surgery resulted in left lower extremity DVT and PE in 2015 Managed by Xarelto for 6 months DVT recurred 2 weeks after stopping anticoagulation
- Risk Factors
- Previous DVT (x2) and PE
- Negative Thrombophilia

# Baseline Physical Exam

- Left lower extremity fullness & edema without skin changes
- CEAP 3
- VCSS 8
- Edema 3, pain 3, inflammation 2



Baseline Imaging: US and CTV

Reflux ightarrow Bilateral femoral vein and GSV upper thigh only



# Diagnosis and Treatment Plan

#### Diagnosis

- Occluded left CIV and EIV, Post-thrombotic non-occlusive scarring in left CFV
- Treatment Plan
- Venogram / IVUS
- Venoplasty
- Venous stent placement

Procedural Imaging – Venography and IVUS



### Procedural Details: Venoplasty and Stent Placement

- Femoral vein access
- Occluded segments crossed
- Pre-Venoplasty:
- 14 x 60 mm and 16 x 60 mm Atlas<sup>\*\*</sup> balloons
- Venous stent placement:
- 14 x 150 mm (distal) and 16 x 150 mm (cranial) Abre stents
- Placed from iliac confluence to femoral profunda confluence
- Post-Venoplasty:
- 16 x 60 mm Atlas balloon



### Follow-Up Patient Care & Considerations

### Post-Treatment guidance

- Femoral Access closure with MYNX CONTROL<sup>\*\*</sup> VENOUS Vascular Closure Device followed by 5 minutes pressure and ACE wrap
- Lovenox in PACU and every 12 hours for 2 weeks followed by a transition to DOAC and Antiplatelet
- Anti-platelet 3 6 months
- · US at 2 weeks, 3 months, 6 months, then yearly

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### Conclusion and Key Learning Points

- The Abre venous stent demonstrates excellent performance even in the most challenging patient
  populations, those with post-thrombotic conditions.
- The ABRE Study data out to 36-months demonstrates stent integrity and durability with no stent fractures despite a high proportion of stents across the groin.
- Clinical success is now seen past 5-years in many patients even those who are post-thrombotic with stents extending into the groin.
- The 50-year durability tests indicate the likelihood of continued long-term integrity of the Abre venous stent.
- Ideally, with the younger and healthier patients generally treated with venous stents compared to their counterparts with arterial stents, 50-year durability testing will become the standard for venous stents coming to the market.

Thank You

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