



**LIVE** 2019  
Leading  
Innovative  
Vascular  
Education



Organized by:  
IVD  
VASCULAR  
Institute of Vascular  
Diseases (IVD), Greece

10<sup>th</sup>  
ANNIVERSARY

<http://www.live2019.gr>

In collaboration with:  
Hellenic Society of Vascular and Endovascular Surgery  
Stony Brook University Medical Center, New York, USA  
International Symposium on Endovascular Therapeutics  
IMAC Intervention Master Aortic Course

**May 9-11 2019**

**Larissa Imperial Hotel  
Larissa, GREECE**

## CHIMNEY EVAR: HOW WE DO IT

### ChEVAR logistics

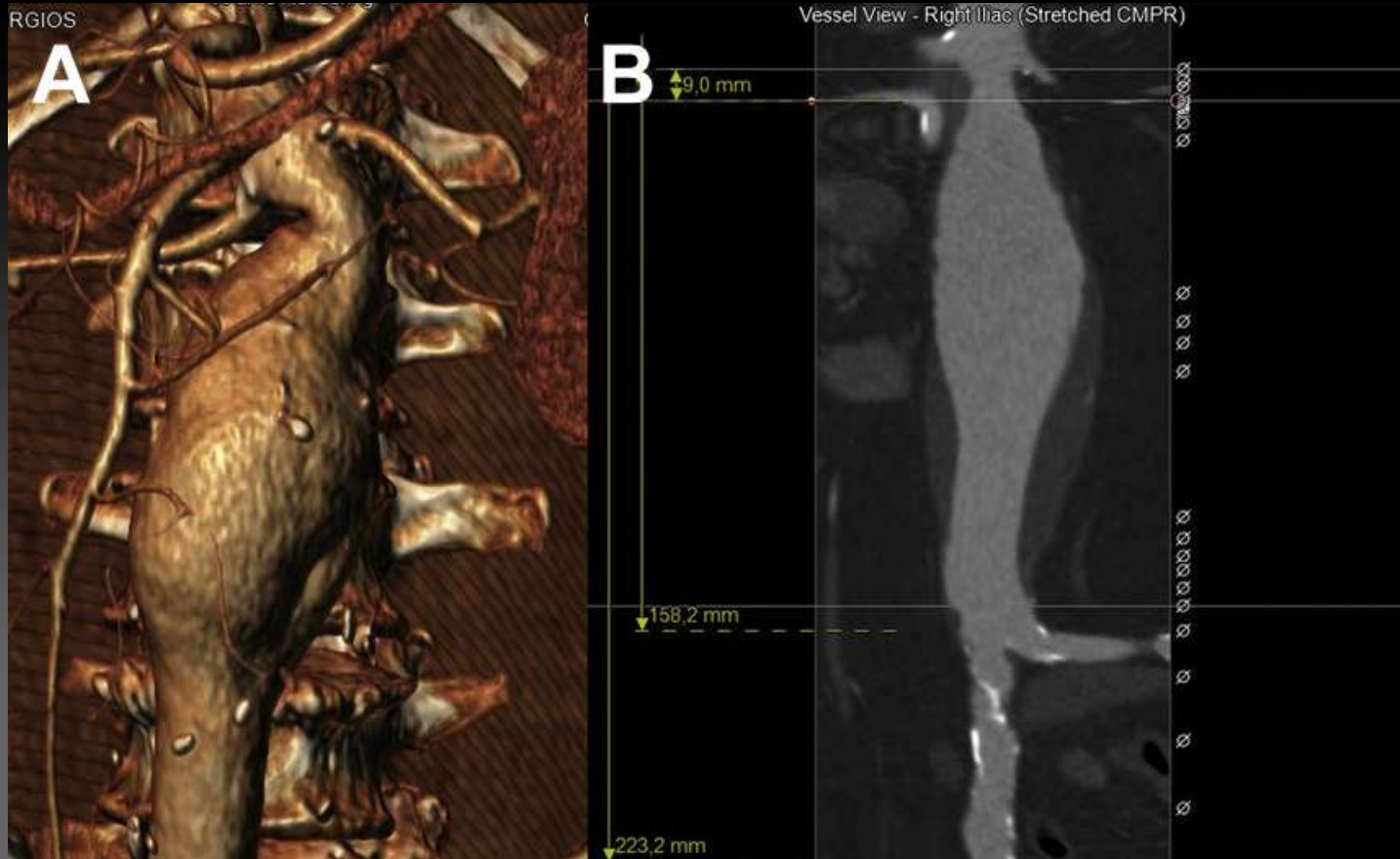
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*Professor of Vascular Surgery*

*Department of Vascular Surgery*

*University of Thessaly, Larissa, Greece*

# Juxta-renal Aneurysms





# EVAR using Parallel Grafts



# Parallel Graft Options



- Ch-EVAR (Enchant study)
- Ch-EVAS (Ascend registry)
- Previous studies (PERICLES / PROTAGORAS)





**LOGISTICS**



# Materials: what you need to perform a Chimney-EVAR

## STENT-GRAFT



Excluder (Gore)



Zenith (Cook)



Nellix (Endologix)



Incraft (Cordis)

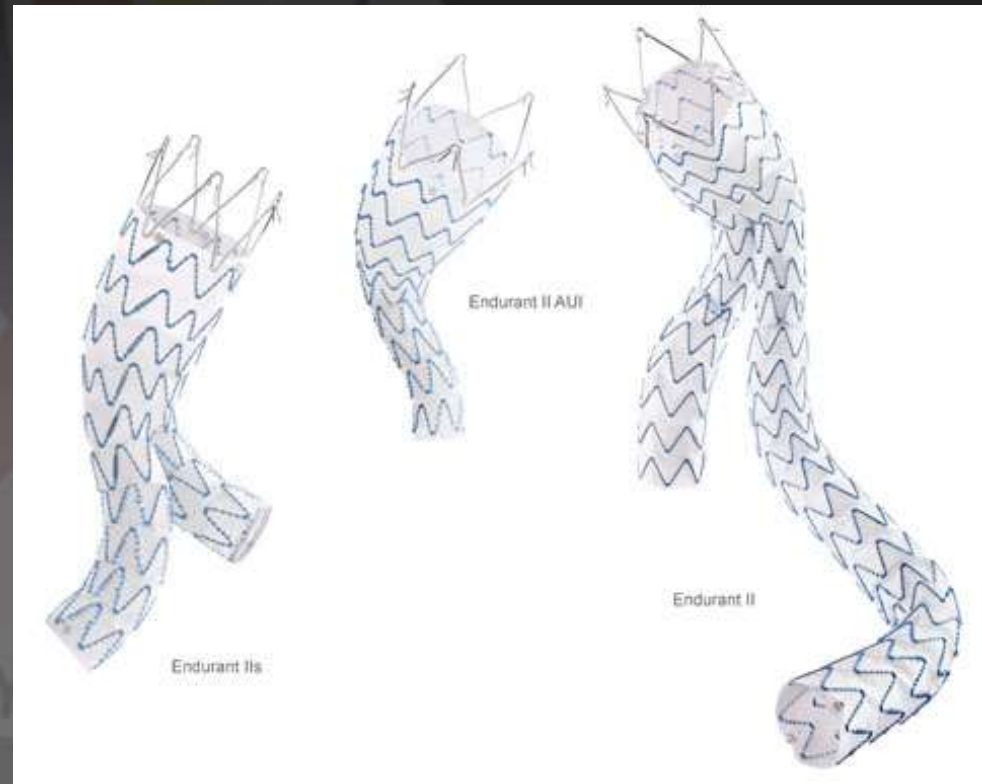


# Materials: what you need to perform a Chimney-EVAR

## STENT-GRAFT

### Endurant (Medtronic)

The **only** Stent-Graft system with **CE mark** for chimneys !!





# Materials: what you need to perform a Chimney-EVAR

## ACCESS







# Materials: what you need to perform a Chimney-EVAR

## GUIDEWIRES

0.035 Standard



0.035 Hydrophilic



0.035 Extra-stiff



0.035 Super-stiff



0.035 special GW  
for visceral arteries





# Materials: what you need to perform a Chimney-EVAR

## SHEATHS FOR TARGET VESSELS



**7-8Fr**

Multipurpose (curved)  
or straight

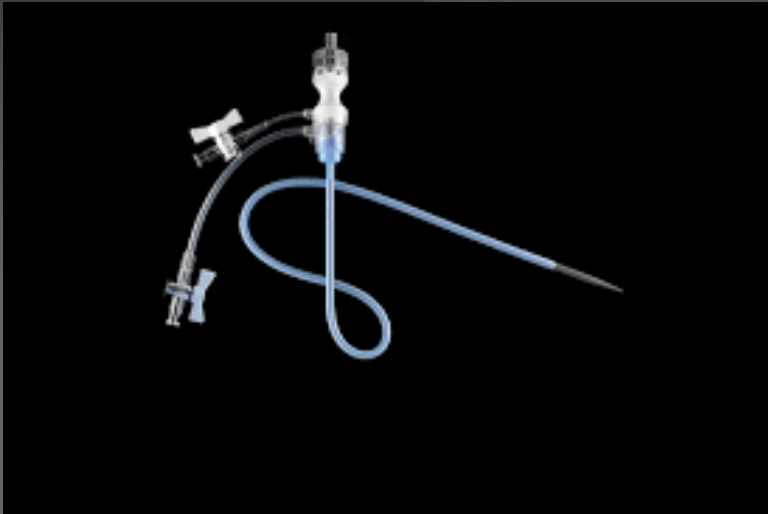
Always 70 or 90cm



# Materials: what you need to perform a Chimney-EVAR

## OTHER SHEATHS

**12-14Fr** sheath  
28-45 cm length  
(in case of trombone technique)

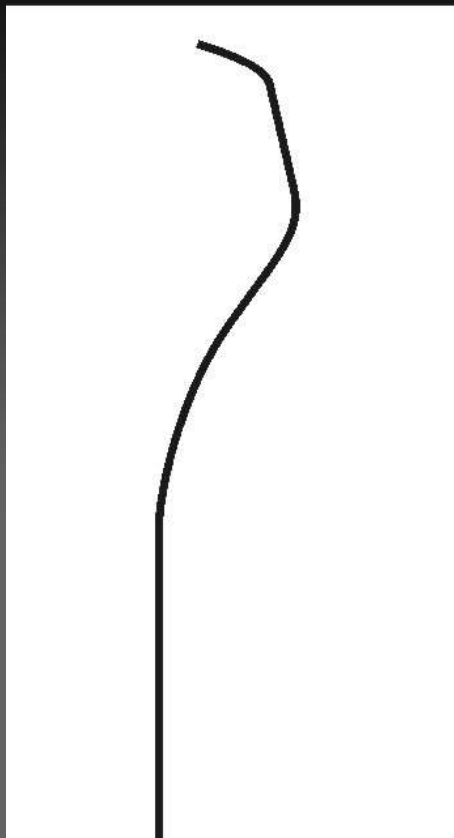




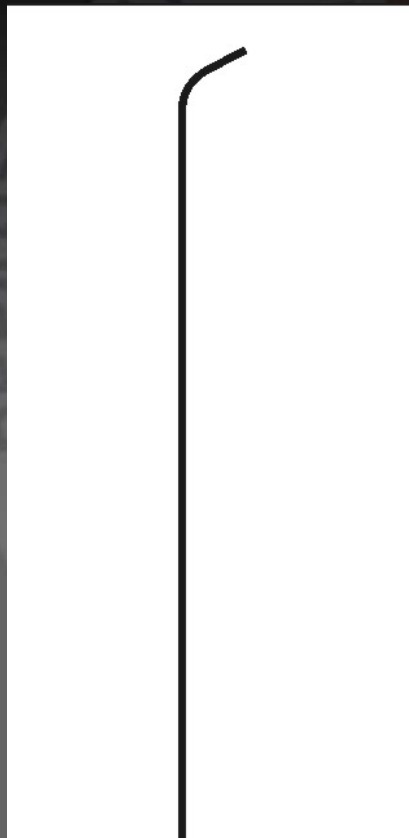
# Materials: what you need to perform a Chimney-EVAR

**CATHETERS (Long 100-110 cm)**

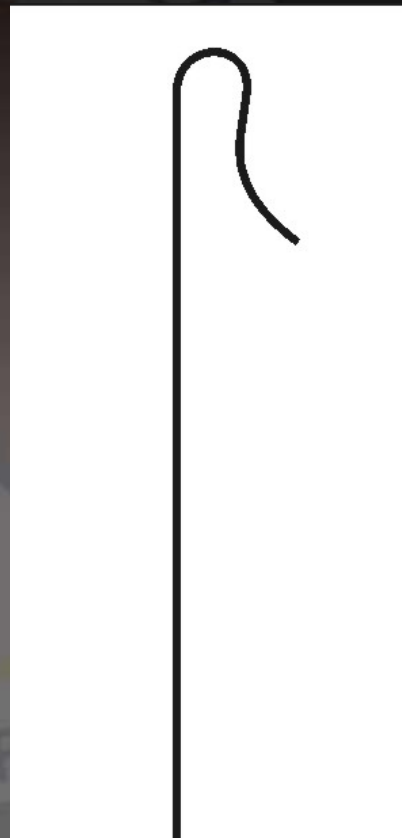
Headhunter



Vertebral



Simmons



Pigtail





# Materials: what you need to perform a Chimney-EVAR Bx covered Stents

Advanta V12 (Macquet)



BeGraft (Bentley)



Viabahn VBX (Gore)



LifeStream (Bard)





## Sometimes size matters...



Expanded Stent Graft Diameter	Nominal Stent Graft Length	Introducer Sheath Size
5 mm	28 mm	7 F
	38 mm	
	58 mm	
6 mm	28 mm	7 F
	38 mm	
	58 mm	
7 mm	27 mm	7 F
	37 mm	
	57 mm	
8 mm	27 mm	7 F
	37 mm	
	57 mm	
9 mm	27 mm	8 F
	37 mm	
	57 mm	
10 mm	27 mm	8 F
	37 mm	
	57 mm	

When **>60-80mm** of needed length then a **Sx covered stent-graft** is **necessary**



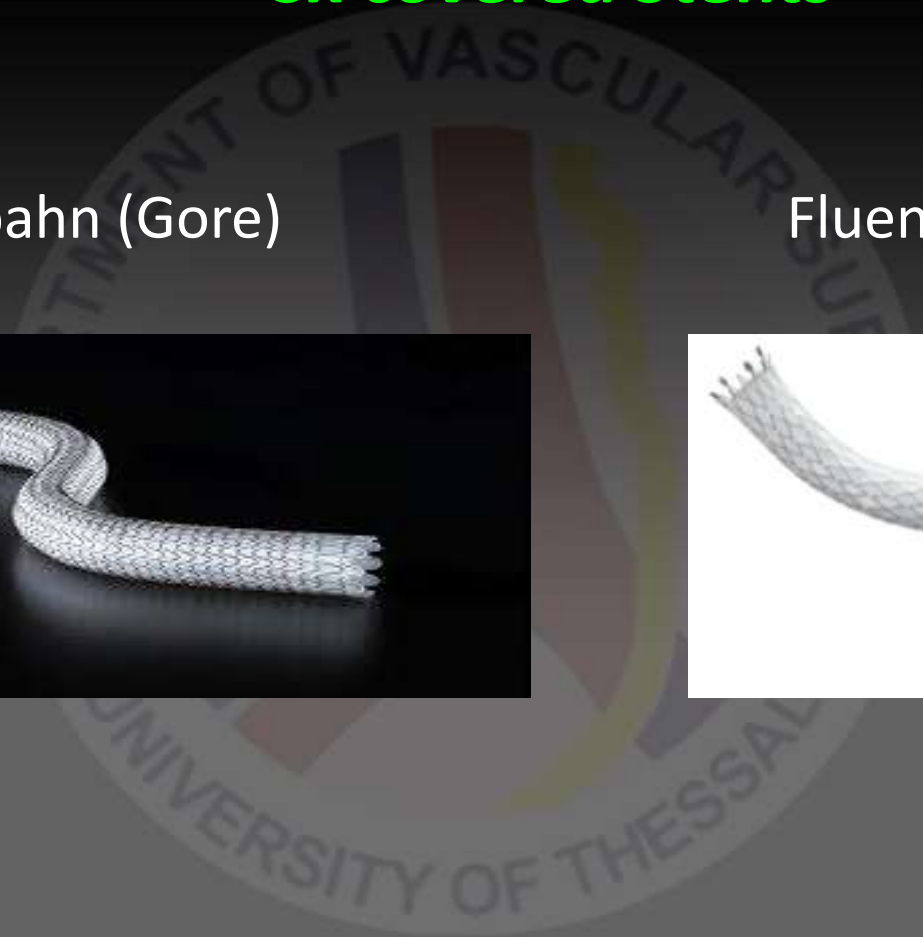
# Materials: what you need to perform a Chimney-EVAR

## Sx covered Stents

Viabahn (Gore)



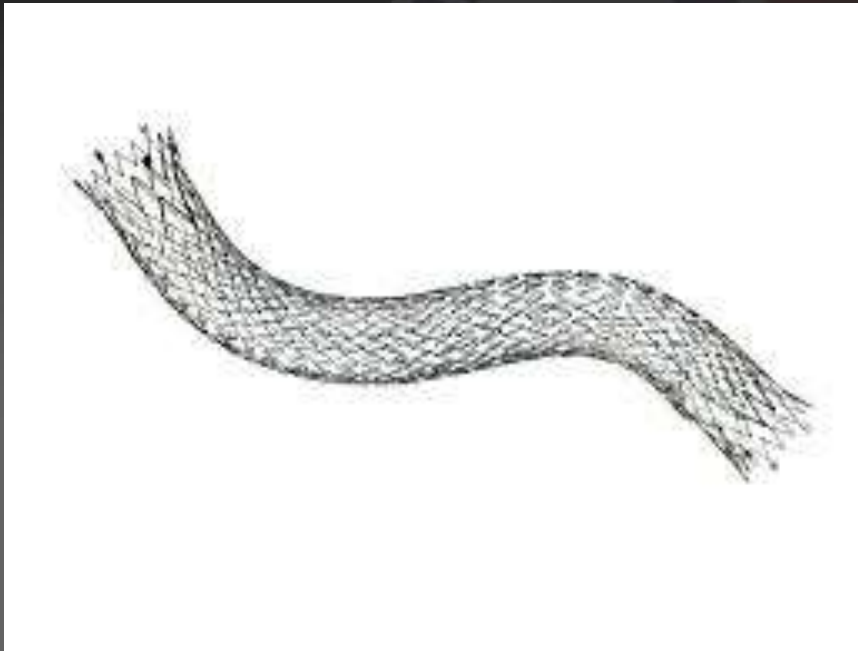
Fluency (Bard)





# Materials: what you need to perform a Chimney-EVAR

**Self expandable stents  
in case of re-lining**



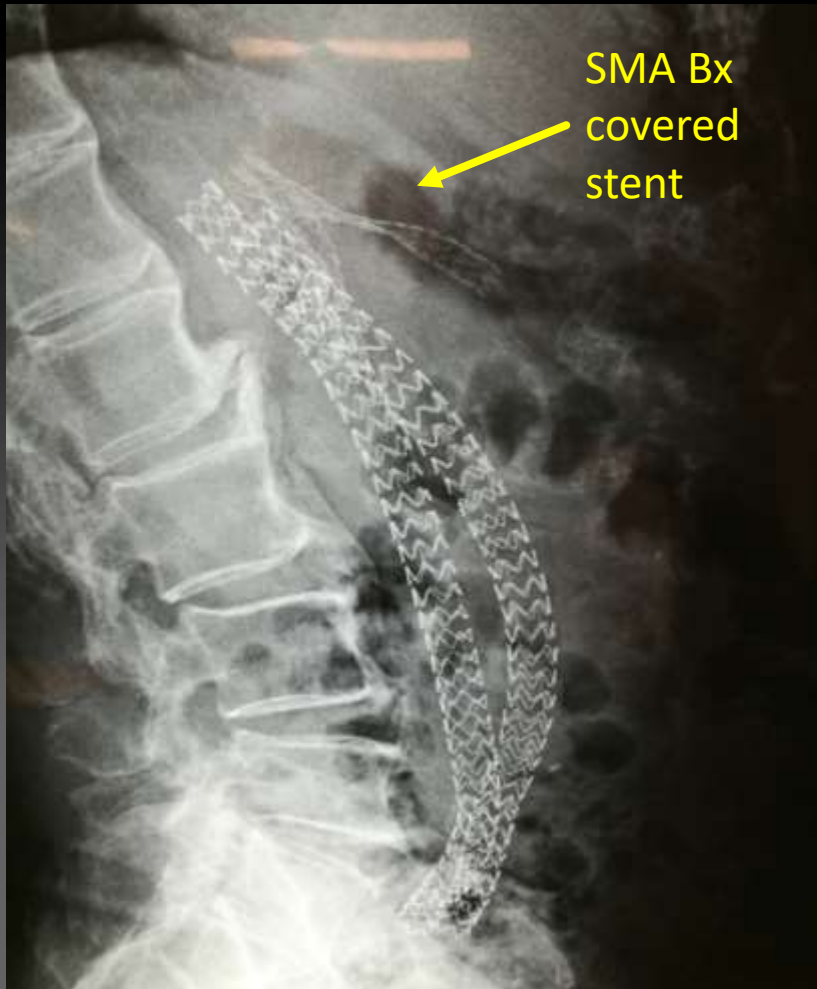
**+1mm diameter**  
than covered  
stent-graft

**Same or longer**  
length





## Target vessel patency



We usually reline  
with a **Sx stent**



# Materials: what you need to perform a Chimney-EVAR

## Additional materials

Snare



Balloons





Institute  
of Vascular Diseases (IVD),  
Greece

**LIVE** Larissa  
May 14-16  
2020

**SEMINAR** edition <sup>NEW</sup>

