Balloon Optimized Molding For Better Deployment And Sealing Of Ovation Alto Low Profile Endografts For EVAR: How To Do It And How It Helps Prevent Endoleaks and Migration

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#### **Disclosures**

None



### **Polymer Sealing Technology**

### **Advantages**

- "Injectable Architecture" reduces profile while increasing conformability
- · Long-term cushion effect on proximal aortic neck



### **Disadvantages**

- · Sensitivity to Oversizing (and Undersizing)
- Short Length of Sealing Rings
- Potential for Polymer Leaks

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**Wouldn't Polymers Be Less Sensitive to Oversizing?** 

# **Infolding of Oversized Annular Balloon**



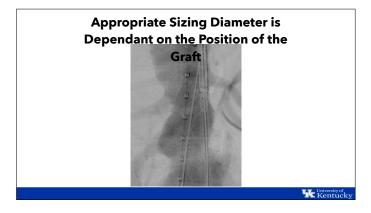
## **Perfectly Sized**



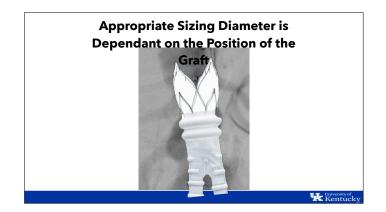
### Oversized

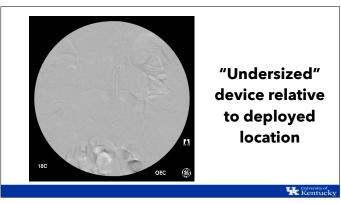




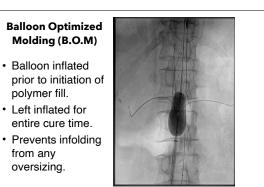




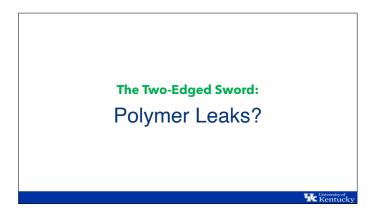


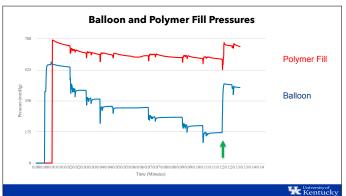






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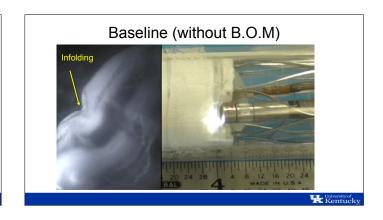


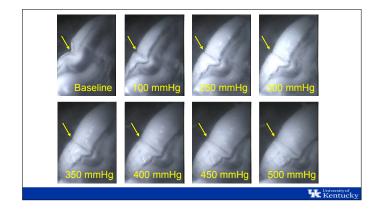


### **Key Safety Tips**

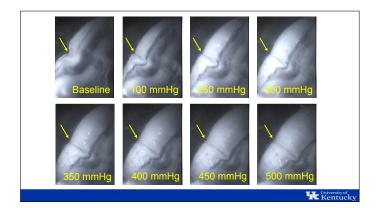
- Inflate Balloon PRIOR to Polymer Fill
- OK to Deflate Balloon (Full or Partial) During Cure Time
- NEVER Inflate Balloon During Cure Time

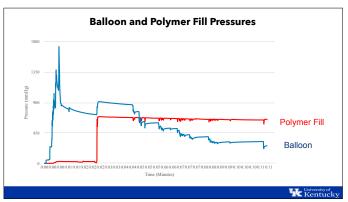
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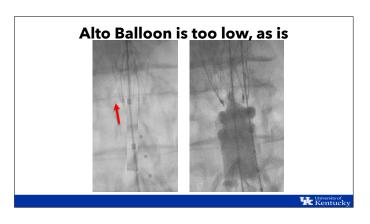


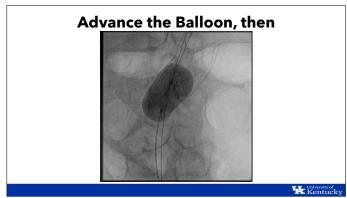












### **Summary:**

- Balloon Optimized Molding (B.O.M.) can correct infolding and improve seal in hostile anatomy.
- Potential for a "one size fits all" option.
- Rupture device?