

Disclosures	
	Cook Medical – Speaker fees W.L. Gore – Speaker fees Bentley Innomed GmbH – Consultant Artivion GmbH – Speaker fees



- Serial Dilation with dilators
- Iliac PTA + StentingThrough & Through Wire







Dislocated iliac stent over proximal part of Endograft





- Intravascular Lithotripsy (IVL)



- Based on lithotripsy for renal calculi
- Miniaturized lithotripsy emitters for localized lithotripsy of vascular calcium



# Intravascular Lithotripsy (IVL)

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- Improved limb graft patency?

- 69 YO Male Pt
- Pararenal AAA (Dmax: 9 cm)
- Pararenary
   Calcified Iliac Access
   deprovescular repair in other hospital
- Comorbidity – Renal Failure (Dialysis)
  - CAD





## Intravascular Lithotripsy (IVL)

- 0.014" wire
- 8 x 60mm ShockWave Balloor



### Postoperative

- Patent Iliac Arteries
- No residual Dissection



# IVL Example #2

- 83 YO Male Pt
- Pararenal AAA
   After EVAR (AUI)
- Comorbidity
   CAD
   COPD



## Preoperative CTA

• Severe calcified unilateral iliac access









- Graft Introduction not possible

   Despite PTAs and Through & Through wire
- Delivery Sheath damaged...after multiple introduction attempts



- 0.014" wire
- 8 x 60mm ShockWave Balloon



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- Successful Graft Introduction
- Easy Reorientation of the graft

   Catheterisation of RRA & SMA fens from above







• 20 pts, EVAR & F/BEVAR

- No need for additional Iliac Stenting

• 3 Groups of patients

## - Pts with no access issues:

Pts with <u>questionable access</u>: IVL ready to be used
 Pts with <u>definitely bad access</u>: Preemtive IVL

• Bad Access continues to be a challenge in some pts despite LP grafts

– IVL Important new tool

- Simple procedure
   Less need for stenting
- Enables graft introduction in some "no go" cases
   Facilitates re-orientation of fenestrated graft
   Improved iliac limb patency in the long-term?