The POT technique

European Bifurcation Club

EBC

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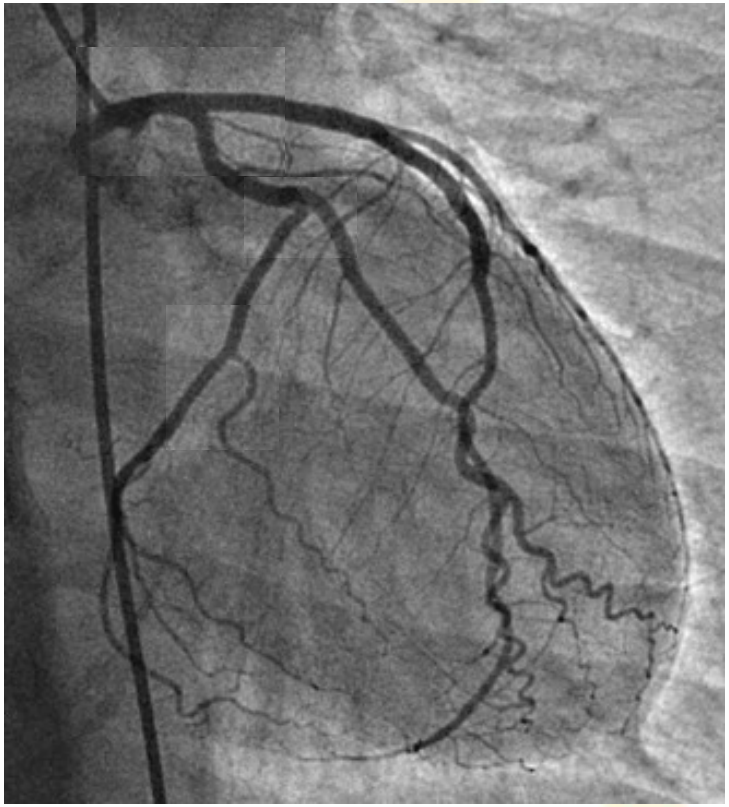
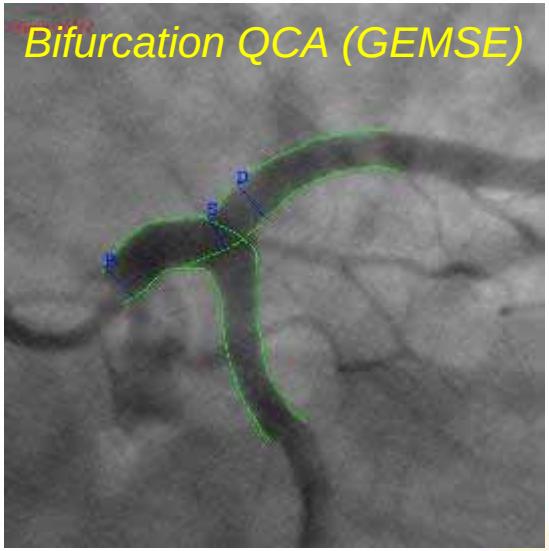
POT?

- P : Provisional
- P : Proximal
- T : technique??
- T : Tip or trick
- O : Optimization

Fractals and self-similarity of the coronary tree





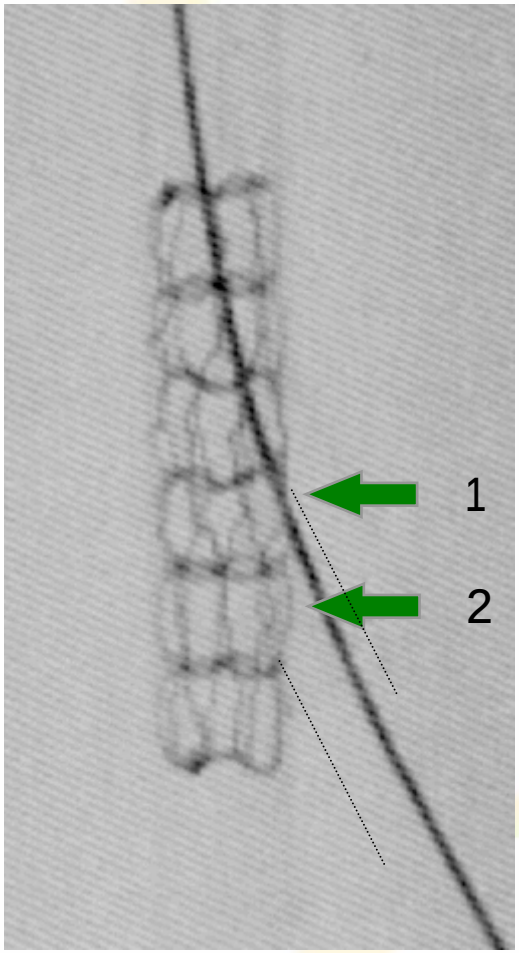
$$R = \frac{D_{mother}}{D_{daughter\ 1} + D_{daughter\ 2}}$$

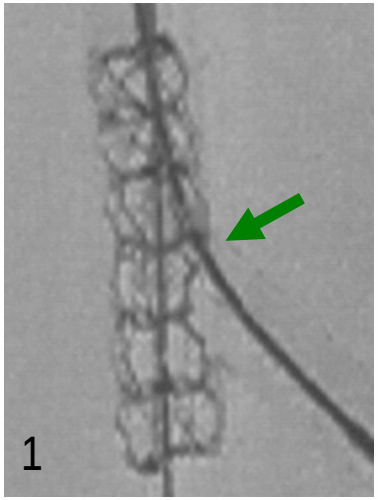
Ratio = 0.670

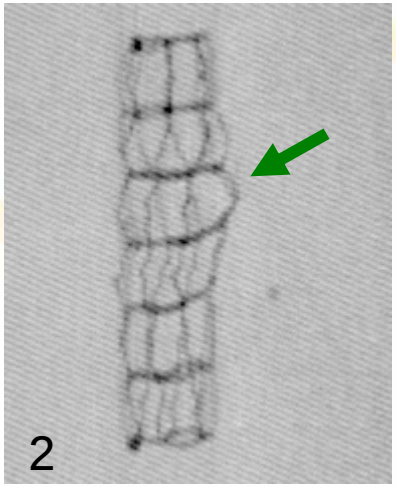
	D>4.5 mm	D [4.5-4.0]	D [4.0-3.5]	D [3.5-3.0]	D [3.0-2.5]	D<2.5 mm
Ratio	0.66	0.67	0.66	0.69	0.66	0.66

G. Finet et al., EuroInterv 2007,3:490-498

The good deformation of tubular stents

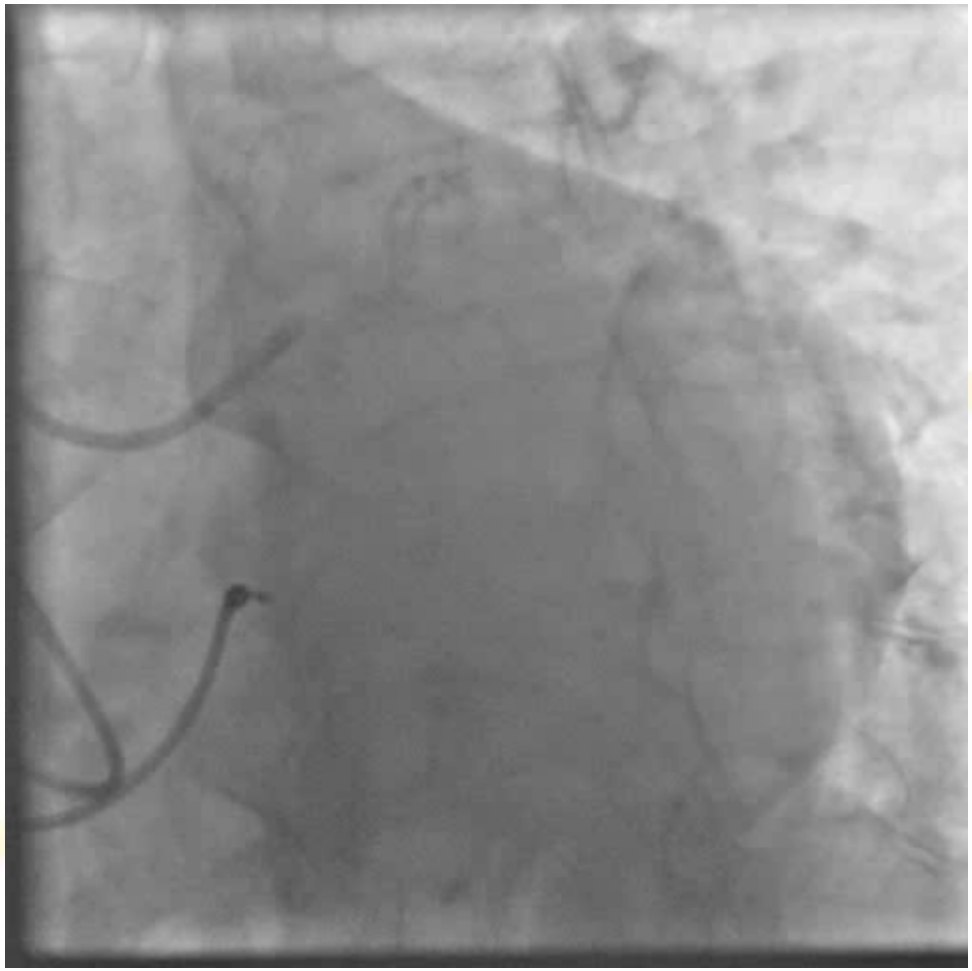






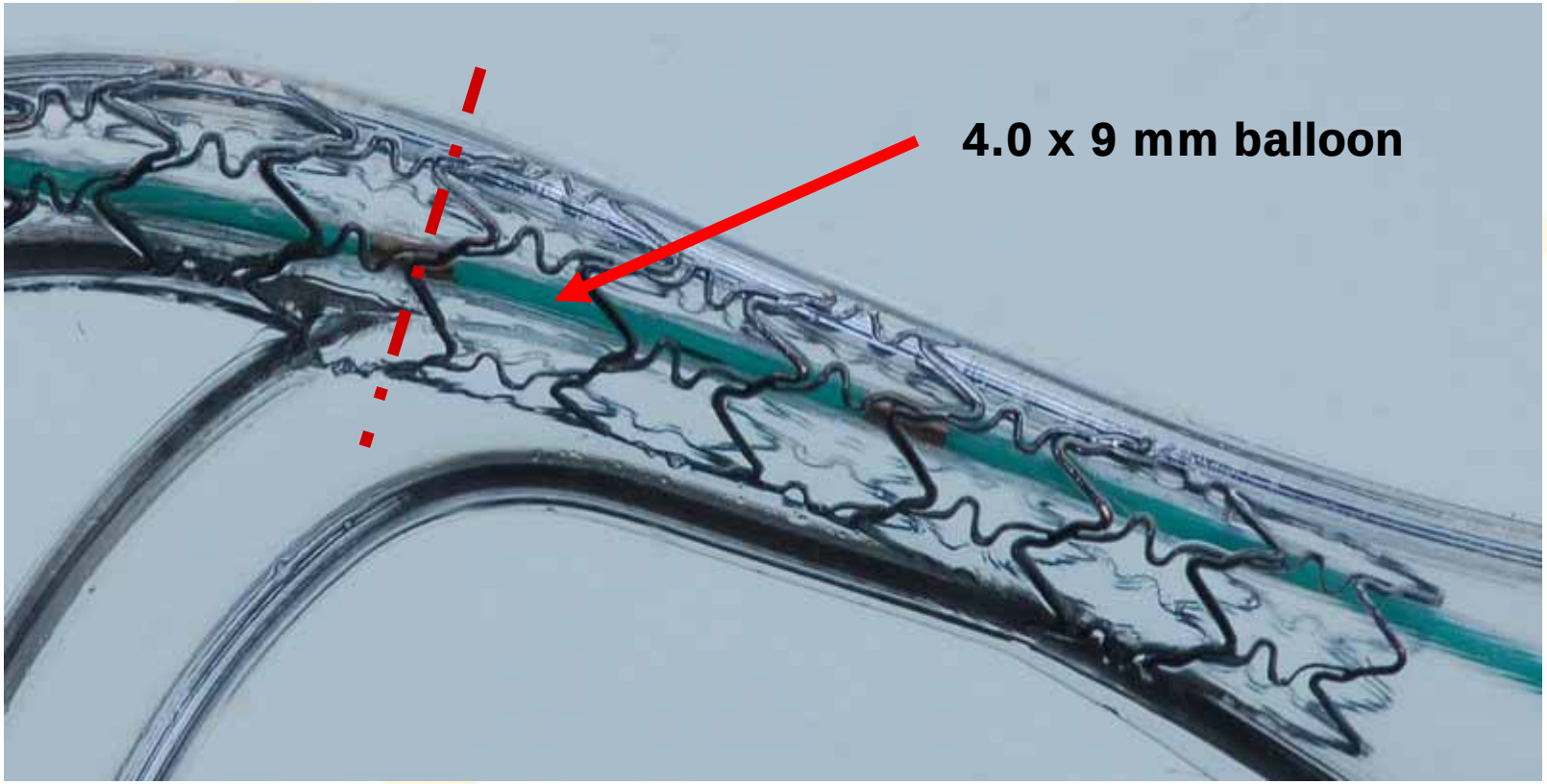
Courtesy of T Lefèvre

- 80 years old male
- Diabetes, HBP
- ACS, ST-
- 1,1,1 LM stenoses

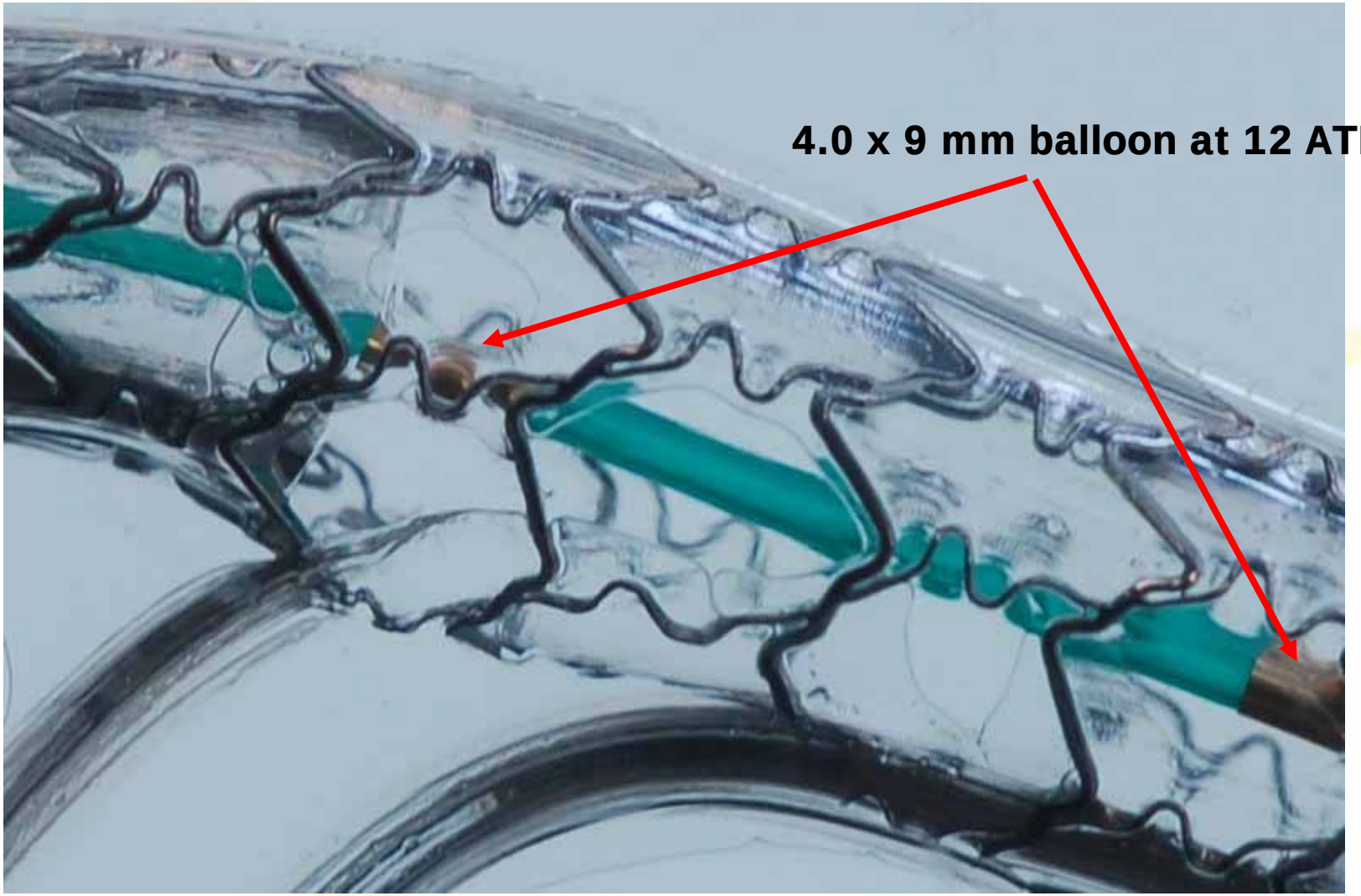


Left main diameter?
Strategy?

Proximal Optimization Technique
Cypher Select 3.5 x 23mm



Cypher Select 3.5 x 23mm



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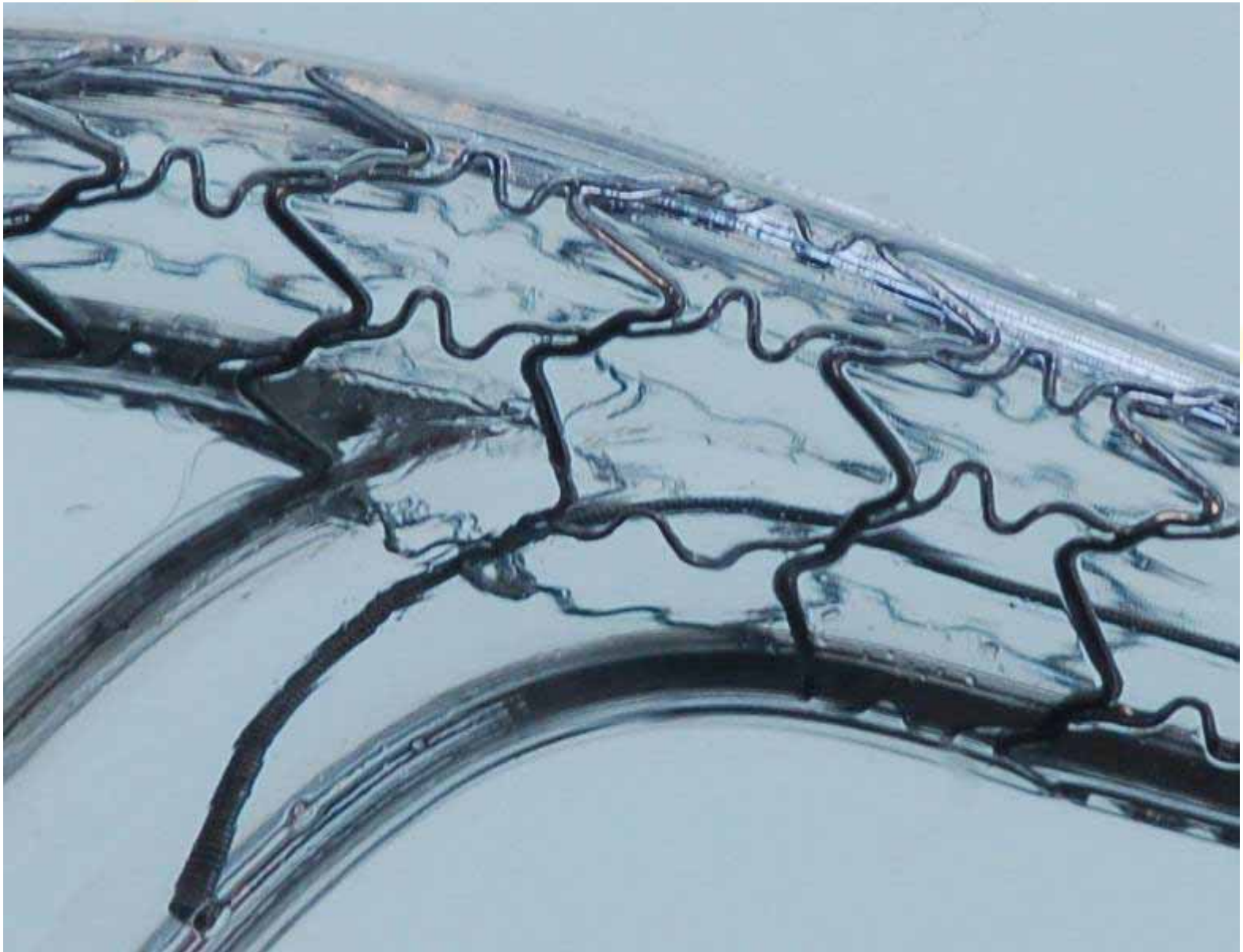
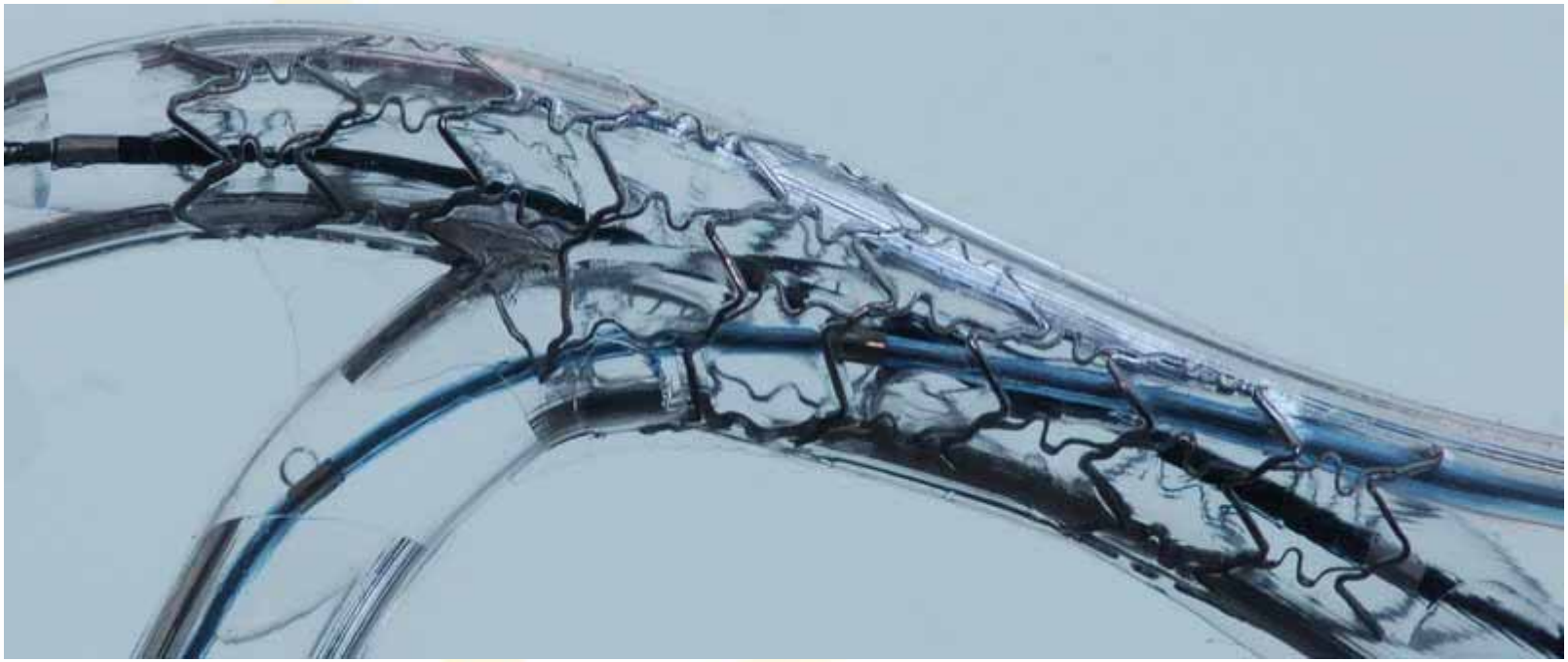
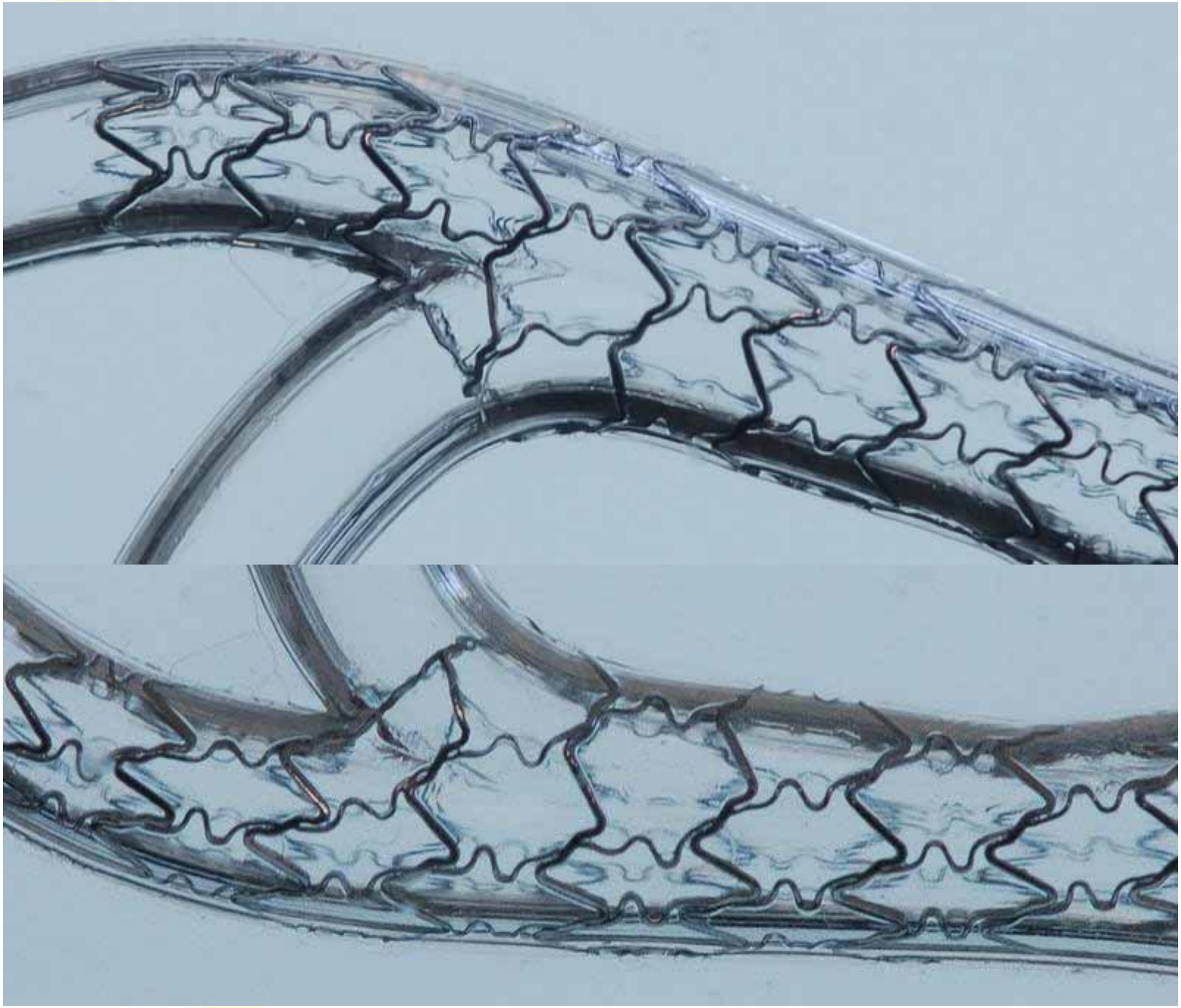


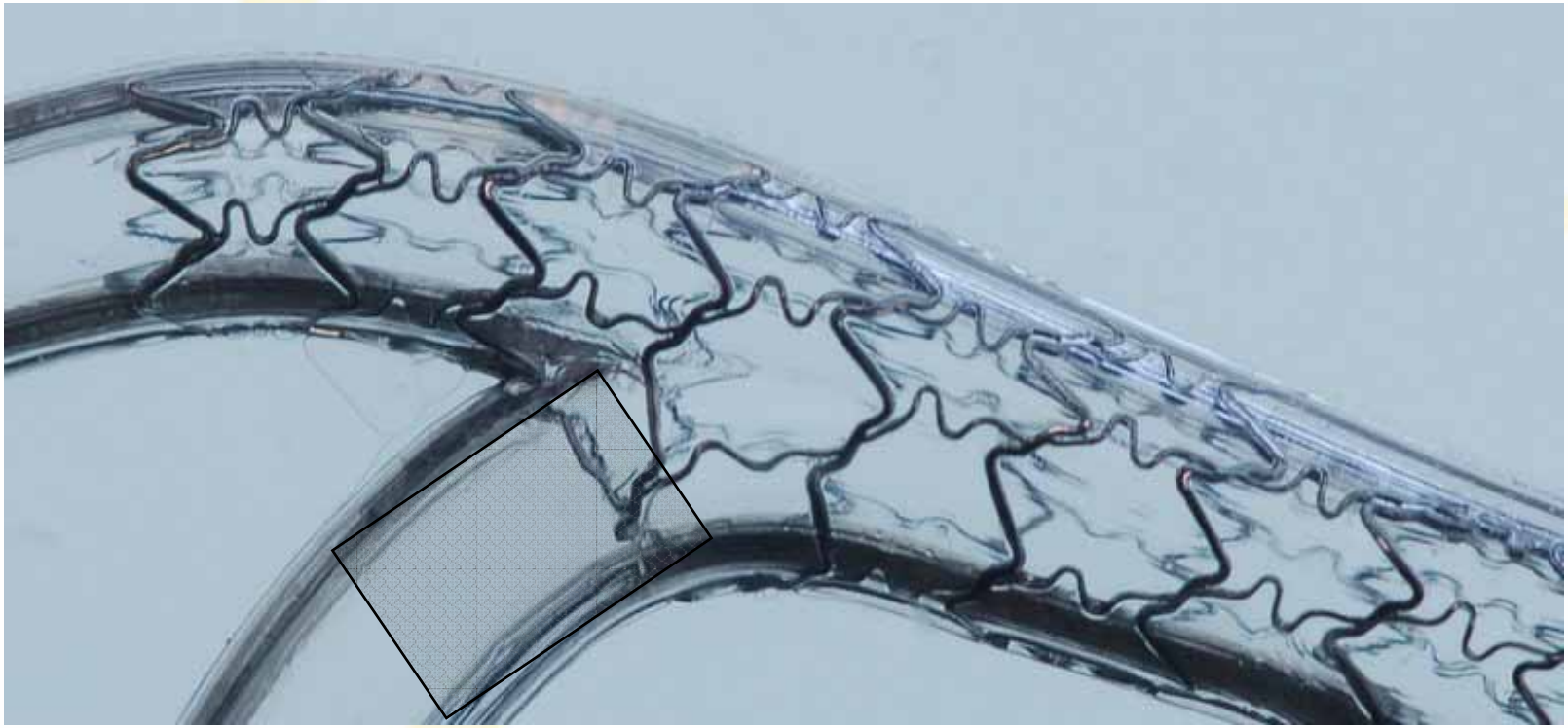
Cypher Select 3.5 x 23mm



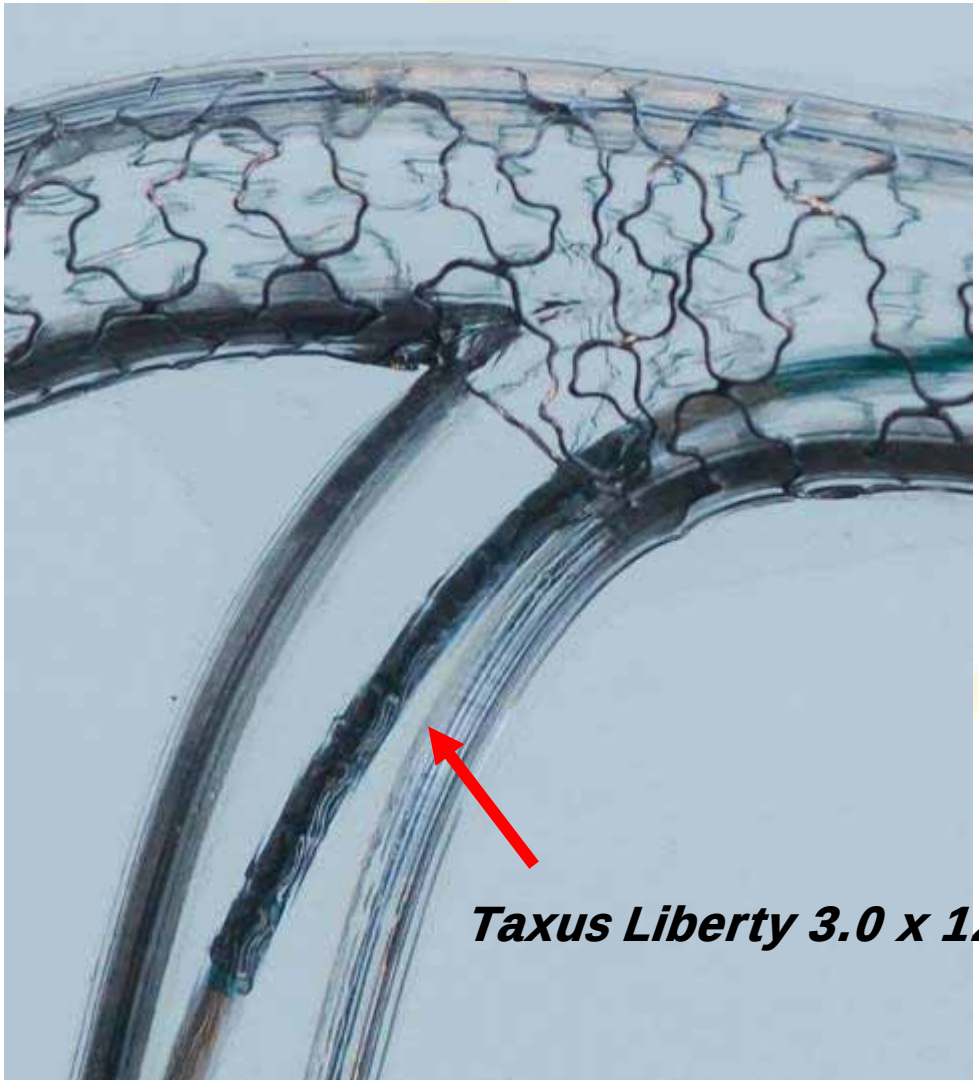
Kissing balloon inflation 3.5 x 23 mm and 3.5 x 10 mm

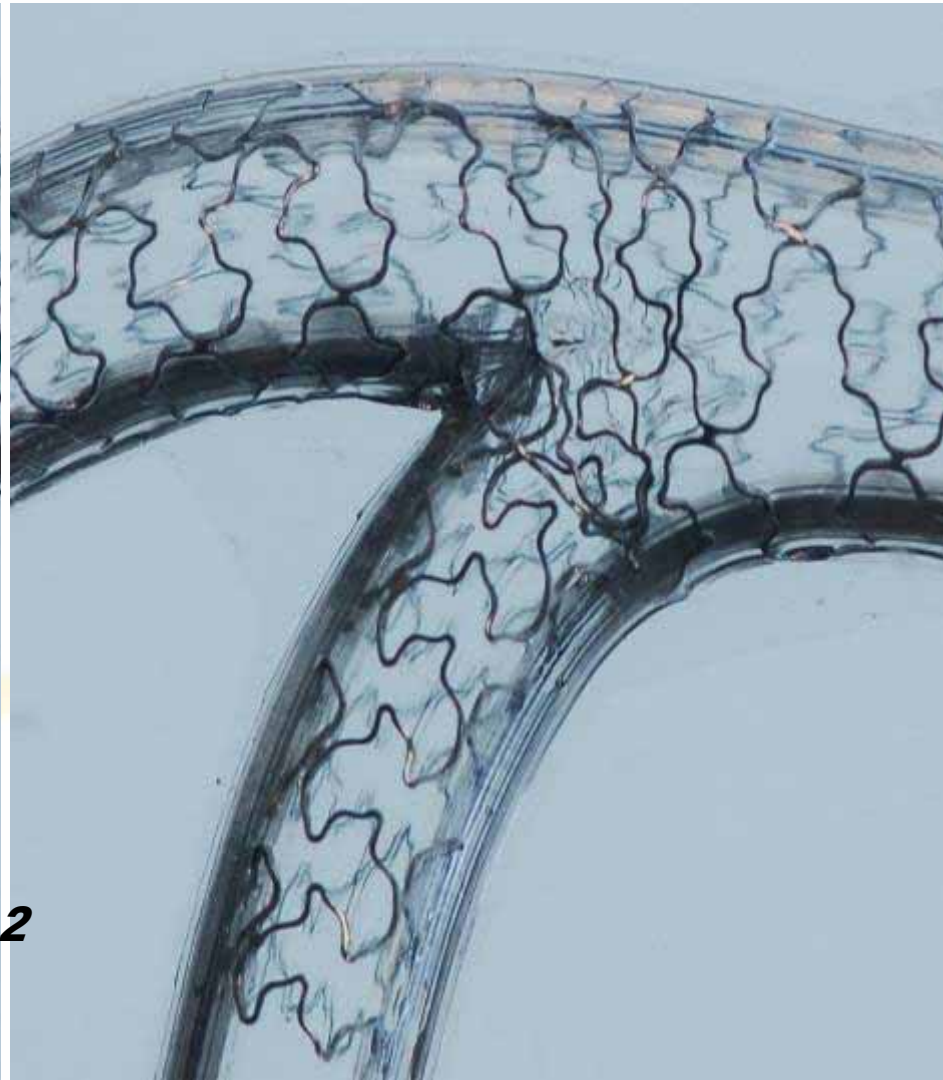


T Stenting



Taxus Liberty 3.5 x 24 mm





Conclusion

- The proximal segment of a bifurcation is ALWAYS bigger than the distal main vessel segment
- Proximal optimization : very simple
  - May avoid inadequate stent apposition in the proximal segment of a bifurcation
  - Avoid « under stent » rewiring
  - Help to distal strut rewiring
  - Allow a good ostial side branch scafolding with the new DES platforms