EX-PAD-01 step-by-step Auryon™
(formerly B-Laser™)

Prof. Marianne Brodmann on behalf of Prof. Kuczmik, Katowice, Poland
I have the following potential conflicts of interest to report:
- [ ] Consulting
- [ ] Employment in industry
- [ ] Stockholder of a healthcare company
- [ ] Owner of a healthcare company
- [ ] Other(s)

☐ I do not have any potential conflict of interest
Step-by-step procedure- technique and when to be used

• The step-by-step (SBS) technique is used for lesions that cannot be initially crossed by a GW.

• In the SBS technique, the GW & Auryon™ are being advanced to the CTO's proximal cap, such that the GW’s tip is inside the catheter and do not exceed the catheter’s tip.

• The laser is then activated, and while keeping the GW stationary, the catheter is being advanced few only mm ahead into the occlusion and being stopped.

• Then the GW is being advanced through the route that was formed by the laser in the occlusion and is being advanced few mm ahead of catheter’s tip, till the next uncrossable point in the occlusion, and then the GW is retrieved back into the Auryon™, and the Auryon™ is activated again to form the channel for the GW by ablation.

• The described sequence is then repeated along all the occlusion’s total length, if deemed necessary until it is fully crossed or until the GW can intraluminally cross the rest of the lesion.
Initial step-by-step procedures with Auryon™ - summary

- 7 successful cases (with 8 lesions) in Poland in May and Dec 2019, with Auryon™ using SBS technique, in all types of challenging lesions, including severely calcified.
- All 4 Auryon™ catheter sizes (0.9mm, 1.5mm, 2.0mm, 2.35mm) were successfully used in the SBS technique.
- Total lasing duration was 2:42 minutes in average and ranged between 0.66 minutes to 8:20* minutes, according to the occlusion’s length and complexity.
- In 6/8 the SBS was used throughout the entire lesions.

No device complications whatsoever were noted during any of the procedures.

*In one of IDE’s OBLs, the physician worked more than 3 hours with all the available commercial tool-kit and still was not able to cross a popliteal occlusion.
Sample case- 10 cm severely calcified CTO

Baseline fluoroscopic angiogram with opacities in all TL length indicating severe calcification radially and intraluminally

Baseline CT angio shows the massive severe calcification in SFA
BASELINE image TL - extremely calcified mid-distal SFA

**Step-by-Step LASING with 1.5mm Auryon™ catheter** Sequential advancements along the tortuous and extremely calcified TL.

Showing attempts to cross with GW with the SBS approach. The attempt failed and SBS is resumed until full lesion completion crossing and athereectomized.

Fully crossing the entire mid-distal SFA CTO with Auryon™ 1.5mm catheter!

Imaging post lasing with Auryon™ 1.5mm catheter.
THANK YOU!
EX-PAD-01 step-by-step Auryon™ (formerly B-Laser™)

Prof. Marianne Brodmann on behalf of Prof. Kuczmik, Katowice, Poland