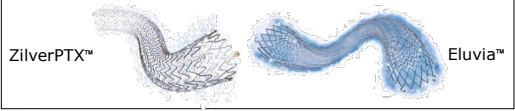



Updated 5-Year Results Of The IMPERIAL RCT Head To Head Comparison Of The Eluvia DES (Boston Scientific) With The Zilver PTX DES (Cook): Both Are Safe And Effective - What Are The Differences ?

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ZilverPTX™ **Eluvia™**



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Disclosure

Speaker name:
Prof. Dr. S. Müller-Hülbeck

I have the following potential conflicts of interest to report:

- Consulting: Terumo, Alvimedica, Eurocor
- Employment in industry
- Stockholder of a healthcare company: Roche, Novartis, Johnson&Johnson, Navarrodisk, Amgen, Chugai, Sanofi
- Owner of a healthcare company
- Other(s)
- I do not have any potential conflict of interest

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Zilver PTX Clinical Evidence - Key Studies

- Favorable 2-year outcomes** of the Zilver PTX randomized trial¹
- Durable superior 5-year primary patency** with polymer-free paclitaxel-coated stents (PF-DCS; Zilver PTX, Cook Corporation) compared with standard balloon angioplasty (lesion length: PF-DCS, 6.6 cm; standard balloon angioplasty, 6.3 cm)²
- Although the combination of scaffolding with antiproliferative treatment is assumed to be a good option, notably in long, occluded, and calcified lesions, a subsequent **multistudy model** of PF-DCS identified critical limb-threatening ischemia (CLTI), total occlusion, lesion length, prior intervention, and small reference vessel diameter as **predictors** of target lesion revascularization (TLR)³

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Eluvia Clinical Evidence - Key Studies

MAJESTIC (2017) ^{1,2}	IMPERIAL RCT (2018) ^{3,4}	EMINENT (2022) ⁵	Multiple Registries (2018-21) ⁶	SPORTS ⁷	ELEGANCE Registry
<ul style="list-style-type: none"> N = 57 Prospective, single arm First-in-human demonstration of Eluvia DES performance 	<ul style="list-style-type: none"> N = 465 RCT Eluvia vs Zilver PTX Eluvia demonstrated superior 1-year primary patency 5-year follow-up complete 	<ul style="list-style-type: none"> N = 775 RCT Eluvia vs BMS Eluvia demonstrated superior 1-year primary patency 	<ul style="list-style-type: none"> > 1600 patients Demonstrated consistent Eluvia effectiveness in real-world settings and complex patient populations 	<ul style="list-style-type: none"> Up to 222 patients Eluvia vs DCB vs BMS Enrollment complete (clinicaltrials.gov v NCT03332264) 	<ul style="list-style-type: none"> Up to 5000 patients Multicenter registry for RANGER DCB and Eluvia DES Real-world evidence focused on under-represented minorities and women

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Eluvia Clinical Evidence - Key Studies

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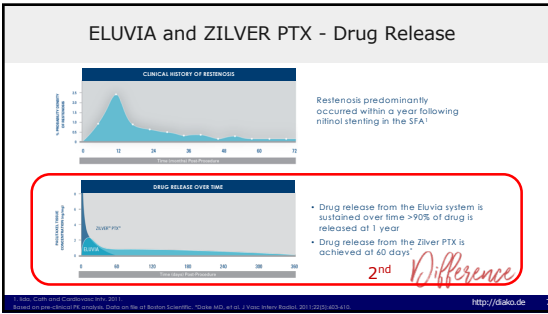
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IMPERIAL RCT - Study Devices

	Eluvia™ DES Boston Scientific	Zilver® PTX® Cook Medical
Stent Platform	Innova	Zilver Flex
Material	Nitinol	Nitinol
Planner	Biostable Fluorinated Polymer Matrix (PROMUS polymer)	None
Drug Dose Density	Paclitaxel 0.167µg/mm²	Paclitaxel 3 µg/mm ²
Deployment	Self-expanding	Self-expanding
Size	Diameter Length 6-7 mm 40-150 mm	Diameter Length 6-8 mm 40-120 mm

1st Difference

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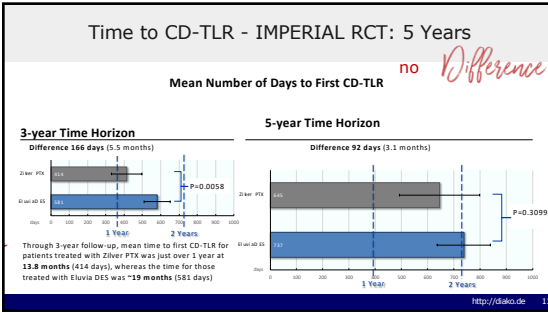
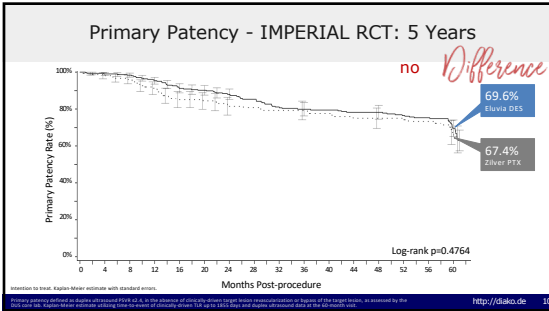
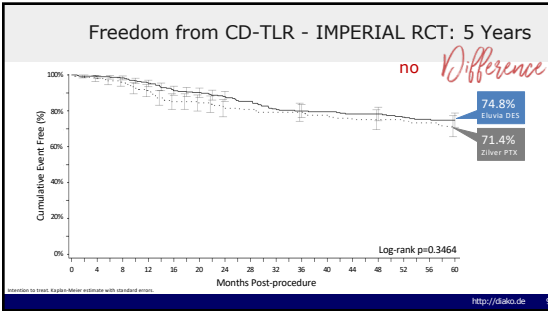
Safety - IMPERIAL RCT: 5 Years

	Eluvia DES (N=309)	Zilver PTX (N=156)	P
All-cause Mortality ^a	18.8% (58/309)	17.9% (28/156)	0.8294
Target Limb Major Amputation	3.4% (8/232)	2.6% (3/114)	>0.99
Clinically-Driven TLR	29.3% (68/232)	34.2% (39/114)	0.3540

No significant differences in 5-year safety measures

no Difference

1. Study site including all vital status assessments regardless of CEC adaptation. <http://dx.doi.org/10.1161/CIRCULATIONAHA.111.222022>



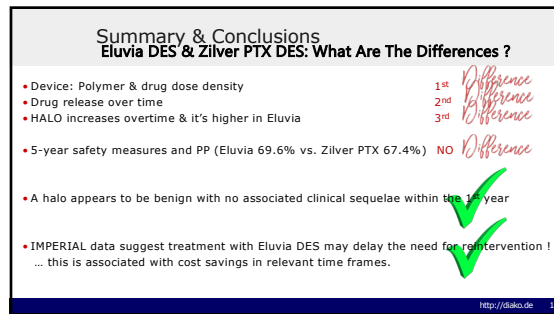
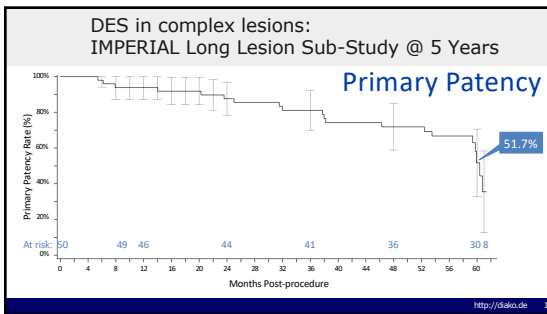
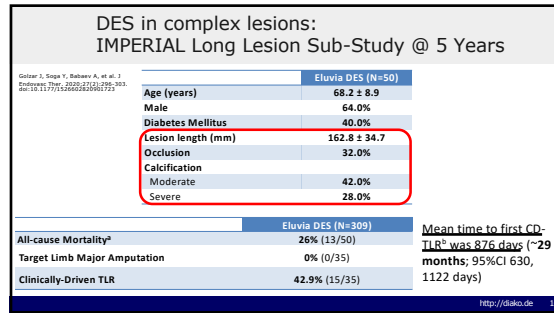
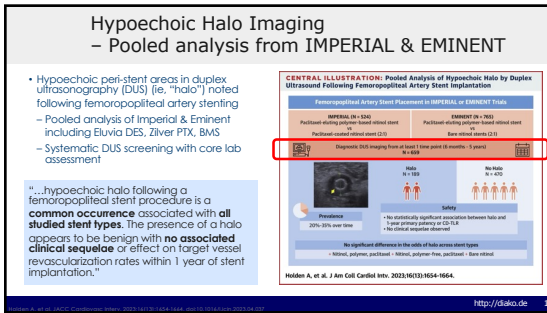
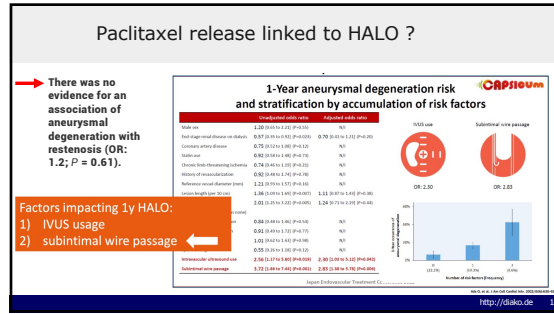
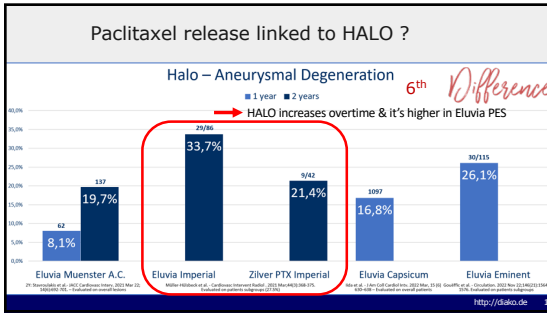
Polymer-based drug-eluting stent treatment extends the time to reintervention for patients with symptomatic femoropopliteal artery disease: clinical evidence and potential economic value

Journal of Comparative Effectiveness Research
J. Comp. Eff. Res. (2024) e240025




William A. Gray^{1,2*}, Naohitoo Soga³, Masahito Fujihara⁴, Osumi Ito⁵, Ameer Sabani⁶, Daisuke Kawasumi⁷, Thomas Zellmer⁸, David O'Connor⁹, Michael R. Jeff¹⁰, Arina M. Chavez¹¹ & Stefan Müller-Hübner¹²

- Simulated savings considering reinterventions occurring over 1 and 5 years following initial use of Eluvia over Zilver PTX were US \$1,395,635 and US \$1,531,795, respectively, when IMPERIAL CD-TLR rates were extrapolated to 1000 patients.
- Conclusion: IMPERIAL data suggest initial treatment with Eluvia extends the time patients spend without undergoing reintervention. **This extension may be associated with cost savings in relevant time frames.**

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