



Stellarex DCBs at 5 Years Data from the ILLUMENATE US And European RCTs

Sean P. Lyden, MD, FACS
Professor & Chairman
Vascular Surgery

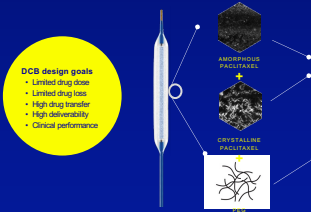



Disclosures

- Consultant: BD, Boston Scientific, Contego Medical, Cordis, Endologix, Inspire MD, Medtronic, Rapid Medical, Shockwave, Penumbra, Vivasure, Nectero, Reflow
- Stock options: Inspire MD and Centerline Biomedical, Reflow
- VIVA Physicians, Board Member
- Research Studies: Abbott, Endologix, Surmodics, W.L. Gore, Terumo Aortic, NIH, Boston Scientific, Merit, Contego Medical, Inspire MD, Reva Medical, Penumbra, Medalliance, Nectero






Stellarex DCB Design



- Prompt availability
- Optimized tissue residency with anti-proliferative effect
- More durability during handling, tracking, inflation
- Dissolves slowly to protect paclitaxel from loss prior to balloon inflation at target site
- Aids in keeping dose level low

DCB design goals



- Limited drug dose
- Limited drug loss
- High drug transfer
- High deliverability
- Clinical performance

Stellarex Clinical Program

- Stellarex DCB has been extensively evaluated in 7 SFA ATK studies
- ILLUMENATE trials consistently met their primary safety/efficacy endpoints
- >3000 patients treated with Stellarex in SFA DCB trials with independent CEC for AE adjudications

Trial	Type	ATK/STK	Enrollment	Site	Region	Status
ILLUMENATE FH	First In Man	ATK	60	3	Europe	Closed
ILLUMENATE PE	Pharmacologic	ATK	25	2	Europe	Closed
ILLUMENATE EU RCT	Pivotal	ATK	526	16	Europe	Closed
ILLUMENATE Pivotal	Pivotal	ATK	300	43	US/Europe	Closed
ILLUMENATE Global	First Market	ATK	371	37	Europe, AUS, NZ	Closed
ILLUMENATE Global IIR	Labeling Expansion	ATK	129	26	Europe, AUS, NZ	Closed
DAVIER	Real World Evidence	ATK/STK	1660	60	Europe	Closed






ILLUMENATE EU RCT & Pivotal

2 robust RCT's with ~600 patients
Primary endpoints met and published



Objective: Demonstrate safety and effectiveness of the Stellarex DCB vs. standard PTA for treatment of arterial disease in the SFA and/or popliteal arteries

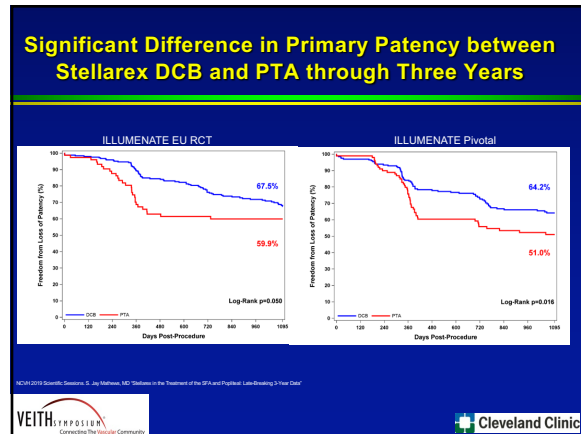
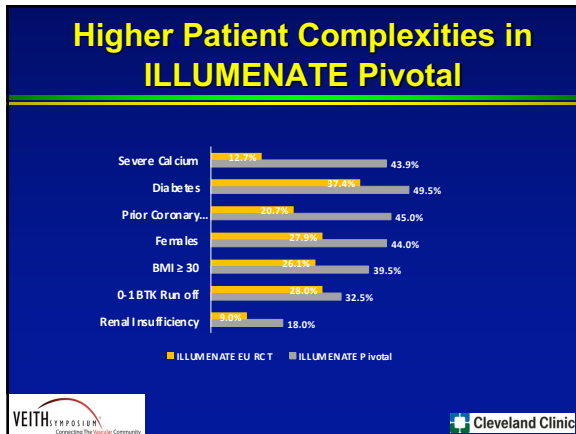
	ILLUMENATE Pivotal	ILLUMENATE EU RCT
N Patients	100	594
Majority (N sites)	43 (43 & 1)	18 (18)
Enrollment	June 2013 - July 2015	Dec 2012 - Apr 2015
Follow up	5 years (through PAA)	5 years
Randomization	1:1	1:1
Pre-identification		Mandatory
Drugs/Case mix	✓	✓
Regulatory Case mix	✓	✓
100% IR Monitoring	✓	✓
Clinical Event Monitoring	✓	✓
Data Safety Monitoring	✓	✓

Baseline Characteristics

ILLUMENATE EU RCT Data Set*				ILLUMENATE Pivotal Data Set**			
Age (years)	69.5 (9.2 (20))	69.5 (9.2 (20))	0.979	69.5 (9.2 (20))	69.5 (9.2 (20))	0.979	0.979
Female	27.0% (10/22)	27.0% (10/22)	0.979	27.0% (10/22)	27.0% (10/22)	0.979	0.979
Subtotal Clinical Category			0.979			0.979	0.979
1	15.4% (4/21)	21.1% (10/21)	0.325	31.0% (10/22)	22.0% (10/22)	0.325	0.325
2	82.6% (18/22)	77.5% (10/21)	0.325	64.5% (10/22)	63.0% (10/22)	0.325	0.325
3	1.8% (0/21)	1.4% (1/21)	0.325	4.5% (0/22)	5.0% (1/22)	0.325	0.325
ABI	0.72 (0.21 (0.12))	0.43 (0.28 (0.21))	0.259	0.72 (0.21 (0.12))	0.74 (0.21 (0.12))	0.979	0.979
ABI	77.0% (10/22)	63.0% (10/21)	0.325	82.0% (10/22)	84.0% (10/22)	0.979	0.979
Hypertension	61.0% (10/22)	68.0% (10/21)	0.325	61.0% (10/22)	61.0% (10/22)	0.979	0.979
Previous or Current Smoker	89.0% (10/22)	83.0% (10/21)	0.325	89.0% (10/22)	83.0% (10/22)	0.979	0.979
Diabetes	37.0% (10/22)	26.0% (10/21)	0.325	44.0% (10/22)	52.0% (10/22)	0.325	0.325
Stroke/Transient Ischemic Attack	9.0% (0/22)	8.0% (0/21)	0.861	18.0% (10/22)	18.0% (10/22)	0.861	0.861
Lesion Characteristics							
Lesion Length (mm)	7.2 (4.2 (3.0))	7.1 (4.2 (3.0))	0.873	7.2 (4.2 (3.0))	7.2 (4.2 (3.0))	0.873	0.873
Total Occlusion	19.0% (4/22)	19.0% (4/21)	0.867	19.0% (4/22)	19.0% (4/22)	0.867	0.867
Stenosis	7.0% (2/22)	10.0% (2/21)	0.539	7.0% (2/22)	10.0% (2/22)	0.539	0.539
Severe Calcification	12.0% (3/22)	10.0% (2/21)	0.531	12.0% (3/22)	10.0% (2/22)	0.531	0.531
Stenosis Diameter/ Stenosis (%)	79.0% (2/21)	83.0% (1/1)	0.207	79.0% (2/21)	74.0% (1/1)	0.673	0.673



Two Stellarex RCTs with No Difference in All-Cause Mortality through Five Years

ILLUMENATE EU RCT ¹				ILLUMENATE Pivotal ¹			
Vital Status Compliance: 93.2%				Vital Status Compliance: 94.3%			
All Cause Mortality	DCB	PTA	P Value	All Cause Mortality	DCB	PTA	P value
12 months	2.8% (6/215)	1.5% (1/66)	1.000	12 months	3.0% (6/199)	2.0% (2/100)	0.723
24 months	7.5% (16/214)	4.6% (3/65)	0.578	24 months	7.0% (14/199)	8.1% (8/99)	0.745
36 months	11.3% (24/212)	9.2% (6/65)	0.707	36 months	10.2% (20/197)	10.4% (10/96)	0.944
48 months	17.7% (36/203)	14.1% (8/64)	0.494	48 months	15.7% (31/197)	14.9% (14/94)	0.853
60 months	19.3% (40/207)	19.4% (13/67)	0.989	60 months	20.6% (39/189)	20.2% (19/94)	0.934

ILLUMENATE EU RCT & Pivotal: Post hoc analysis
1. J Soc Cardiovasc Angiol Interv. 2023 Jul 12;24(6):100634

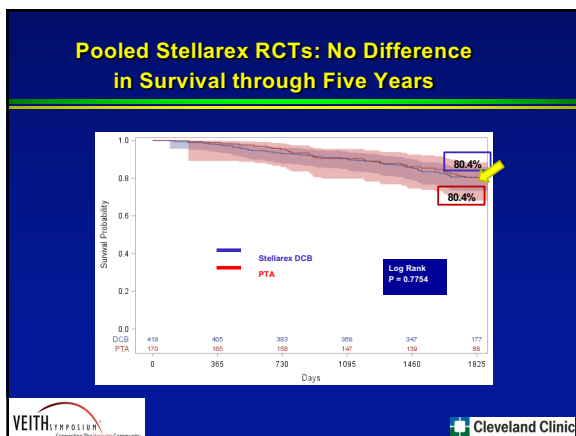
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Pooled Stellarex RCTs: No Difference in Crude All-Cause Mortality through Five Years

All Cause Mortality	DCB	PTA	P Value
12 months	2.2% (9/405)	1.2% (2/165)	0.5240
24 months	7.6% (29/383)	5.0% (8/159)	0.3516
36 months	10.8% (40/370)	10.9% (16/147)	>0.9999
48 months	17.0% (59/348)	16.4% (23/140)	>0.9999
60 months	25.2% (80/317)	24.8% (32/129)	>0.9999

ILLUMENATE EU RCT & Pivotal: Post hoc analysis

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- ### Conclusions
- ILLUMENATE Pivotal and EU RCT all-cause mortality rates between Stellarex DCB and PTA continue to be similar out to five years
 - Two Stellarex RCTs consistently show no statistically significant difference in long-term, all-cause mortality rates at each annual follow-up out to five years
 - ILLUMENATE RCT data show favorable overall safety and efficacy of the Stellarex low-dose paclitaxel DCB, even within an extensive complex patient cohort
 - Stellarex is the only low-dose DCB supported by five-year randomized data with favorable safety and efficacy to date
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