

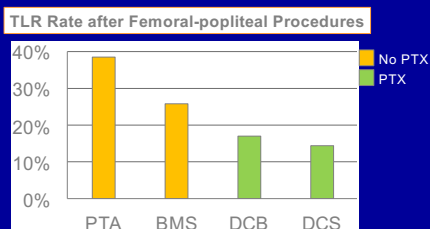
# One View On The Final Result Of The Scare And Concern That Paclitaxel Coated Devices For Lower Extremity Treatments- Increased Mortality And Amputation Rates: The Case Is Closed: What Were Its Costs?

Peter A. Schneider, MD  
University of California San Francisco

# Peter A. Schneider Disclosures

Consulting:  
Surmodics, Medtronic, Boston Scientific, Phillips, Cagent, Acotec, Abbott, Endologix, Shockwave, Silk Road, Healthcare Inroads, Inari, BD

## Paclitaxel Therapies Reduce Repeat Procedures at 2 Years



Sidharan ND, et al. J Vasc Surg. 2018;67(11):343-352. doi: 10.1016/j.jvs.2017.08.112.  
BMS, bare metal stent; DCB, drug-coated balloon; DCS, drug-coated stent; PTA, percutaneous transluminal angioplasty.

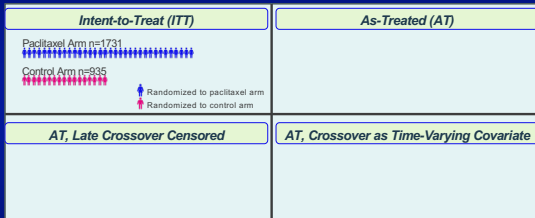
## Final Patient Level Updated Meta-Analysis

2,666 RCT patients  
95% 5-year F/U  
3,355 More years of patient F/U

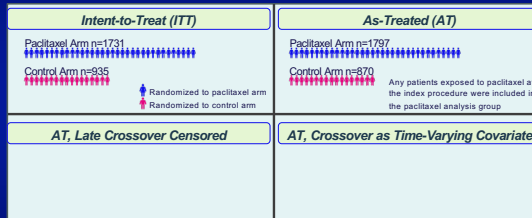
Some Crossover data  
ITT, but also As Treated

Baseline Characteristics	Randomized Patients	Patient-Years of Follow-up	Total Deaths	Follow-up Completeness
ILLUMINATE RCT	300	1362.7	68	98.9%, 5 yrs
ILLUMINATE EU RCT	294	1324.0	65	95.0%, 5 yrs
IN PACT SFA III	331	1668.1	53	97.5%, 5 yrs
IN PACT SFA Japan	100	282.5	6	96.8%, 3 yrs
LEVANT I	101	181.2	9	93.3%, 2 yrs
LEVANT II	476	2198.6	91	96.0%, 5 yrs
LEVANT Japan	199	203.1	5	94.4%, 2 yrs
Zilver PTX	474	2277.8	84	97.3%, 5 yrs
RANGER SFA	105	258.8	12	87.3%, 3 yrs
RANGER II SFA	376	1498.2	61	87.3%, 5 yrs†
<b>TOTAL</b>	<b>2,666</b>	<b>11,193.2</b>	<b>434</b>	<b>95.0%, 5 yrs</b>

## Final Patient Level Updated Meta-Analysis

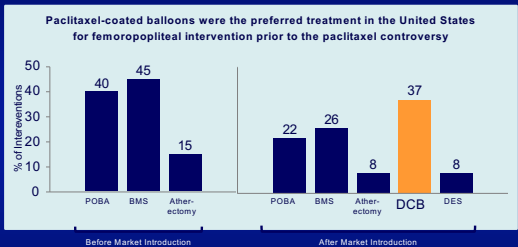


## Final Patient Level Updated Meta-Analysis





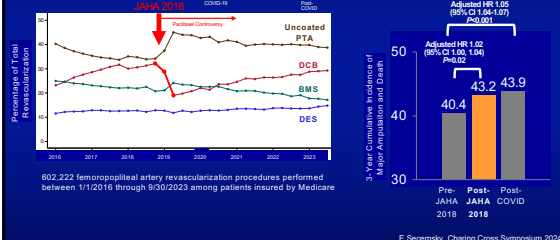
What was the Patient Impact of the Paclitaxel Controversy?



Mohapatra et al. J Vasc Surg. 2020;71:560-6. Adapted from the work of E Secemsky, Charing Cross Symposium 2024

What was the Patient Impact of the Paclitaxel Controversy?

Paclitaxel controversy: significant decline in DCB use, primarily replaced by PTA and BMS. Increased risk of major amputation and death, not driven by COVID alone.



E Secemsky, Charing Cross Symposium 2024

One View On The Paclitaxel Scare: The Case Is Closed

Conclusions

- Final and updated patient-level analysis of pivotal RCTs, conducted with input from the FDA, provides the most complete follow-up data on paclitaxel-coated devices.
- Five-year vital status available in 95% of patients and a comprehensive examination of the impact of treatment-group crossovers.
- Consistent lack of paclitaxel mortality signal across multiple analyses.
- Accounting for crossover further reduced the hazard ratio.
- No dose effect.
- Consequences of paclitaxel controversy still being felt.

**Mortality in randomised controlled trials using paclitaxel-coated devices for femoropopliteal interventional procedures: an updated patient-level meta-analysis**

Sahil A Parikh\*, Peter A Schneider\*, Christopher M Mullin, Tyson Rogers, William A Gony\* Lancet 2023; 2023;402:1848-56

One View On The Final Result Of The Scare And Concern That Paclitaxel Coated Devices For Lower Extremity Treatments-Increased Mortality And Amputation Rates: The Case Is Closed: What Were Its Costs?

**UPDATE: Paclitaxel-Coated Devices to Treat Peripheral Arterial Disease Unlikely to Increase Risk of Mortality - Letter to Health Care Providers**

July 11, 2023

The U.S. Food and Drug Administration (FDA) is informing health care providers about updated information associated with paclitaxel-coated devices used to treat peripheral arterial disease (PAD).

Based on the FDA's review of the totality of the available data and analyses, we have determined that the data does not support an excess mortality risk for paclitaxel-coated devices. The FDA previously communicated about this topic in 2019 and is now providing updated information.