

Is there still validity to the Increased Mortality And Amputation Rates In Patients Receiving Paclitaxel Coated Devices:

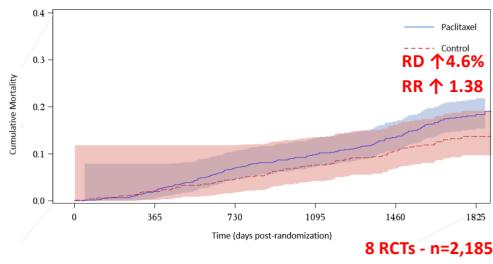
Can we explain there signals in OLDER Studies and their DISAPPEARANCE in RECENT Data? – the case is NOT yet Fully Closed

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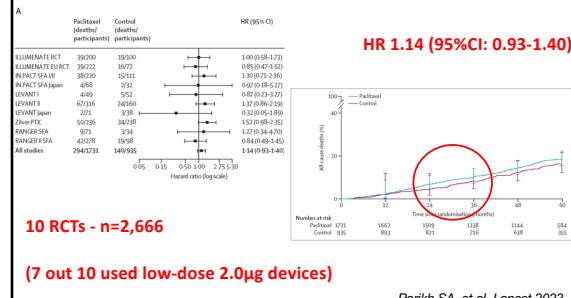
Conflicts of interest

- Nothing to declare

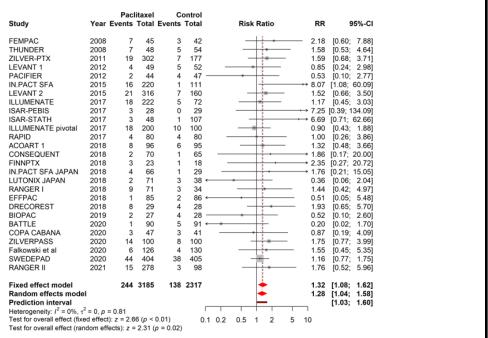
PTX: Original IPD Data meta-analysis



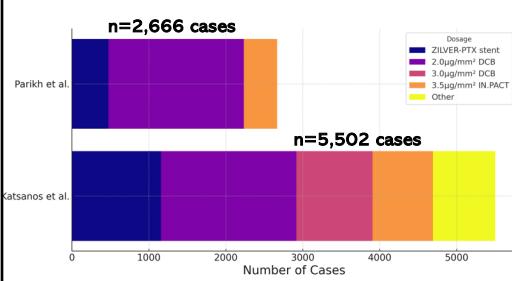
PTX: Updated industry IPD meta-analysis

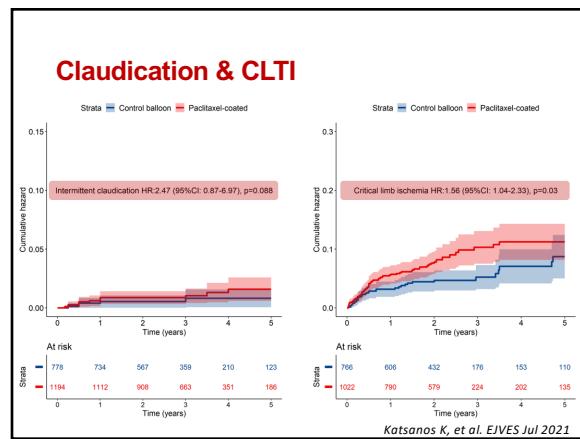
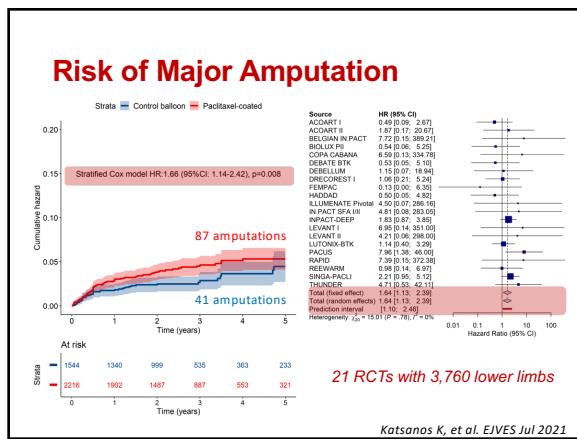
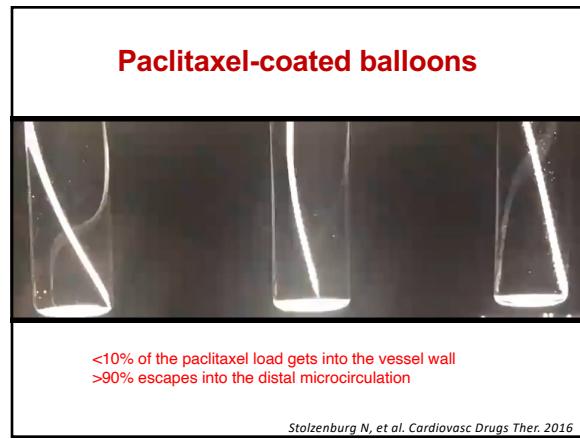
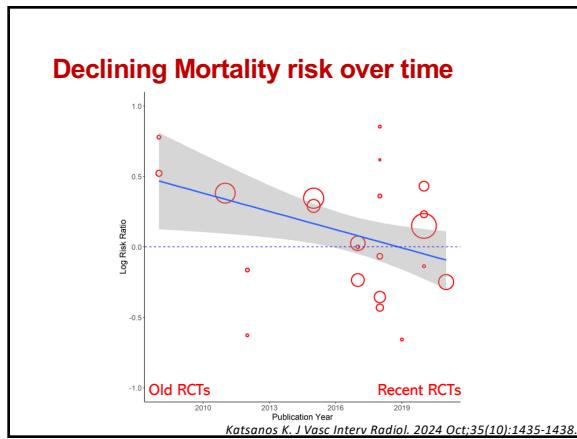
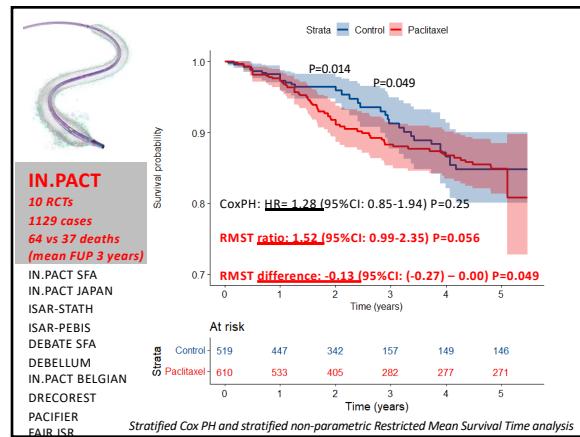
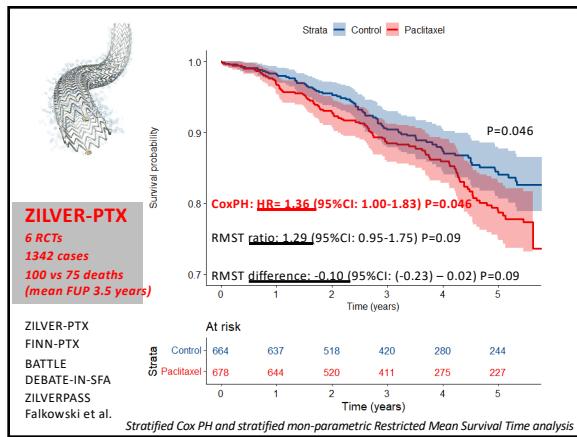


Updated trial-level meta-analysis @2y

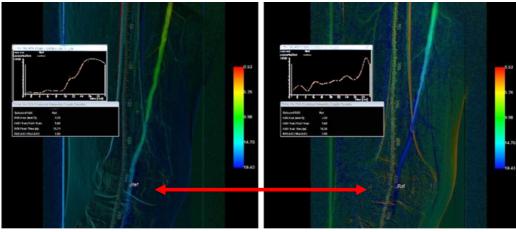


Industry meta-analysis INCOMPLETE





SLOW-FLOW after DCB application



Delayed SLOW-FLOW distal popliteal level after SFA high-dose DCB

Tang TY, et al. Quant Imaging Med Surg. 2022 Mar;12(3):2058-2065.

Conclusions

1. No class effect for safety or effectiveness
2. RCT casemix & sample size differences between original and industry IPD analyses
3. CAREFUL: Mortality signal diluted from low-dose 2.0 μ g/mm² devices
4. Valid risk for amputations with paclitaxel DCBs in CLI patients

Observational/administrative data

RCTs

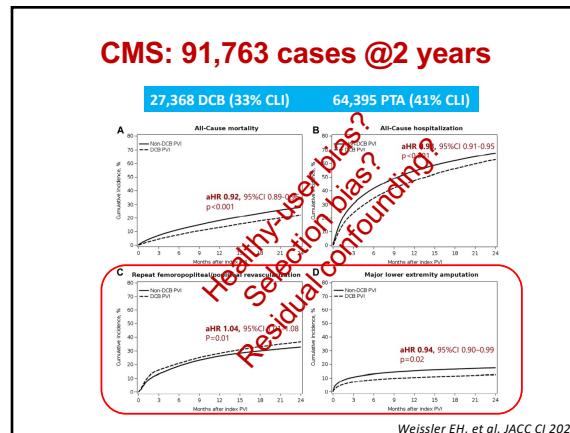
- Randomized
- Controlled selection criteria
- Study specific interventions
- Hypothesis driven
- (Relatively) small population
- Fixed timeframe
- Powered

Real-world studies

- Observational
- No or broad selection criteria
- No study specific interventions
- Hypothesis generating
- Large population
- Long timeframe
- Flexible

>250,000 cases with paclitaxel devices in real-world mortality series

5,500 RCT cases (<2% of caseload)



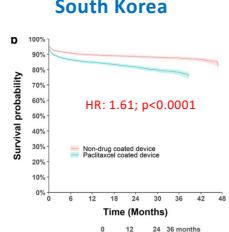
Observational amputation studies

XL-PAD study

Table 2 Incidence of adverse events during follow up			
Outcomes	DCB (n = 105)	Non-DCB (n = 222)	P-value
All-Cause Death*	3 (2.8%)	6 (2.7%)	0.9366
Target Limb Revascularization	17 (16.1%)	28 (12.6%)	0.2547
Target vessel revascularization	17 (16.1%)	26 (11.7%)	0.2639
Amputation			
Major	12 (11.4%)	9 (4.0%)	0.0112
Minor	16 (15.2%)	24 (10.8%)	0.2547

Note: * Based on 327 patients.
Unadjusted outcomes

South Korea



HR: 1.61; p<0.0001

Giovannopoulos S, et al. CRM 2020 *Dai Sik Ko, et al. Sci Rep 2021*

More amputations with DCB

Paclitaxel RCTs in PAD

	Claudication	CLTI
SFA	Efficacy YES Deaths YES Amputations ?	Efficacy ? Deaths NO Amputations YES
BTK	NA	Efficacy NO Deaths NO Amputations YES

Paclitaxel dose (mg)			
Device	Size (DxL)	PTX (mg)	Relation
ELUVIA	6.0x120	0.4	•
ZILVER-PTX	6.0x120	1.1	•
LUTONIX	6.0x120	4.6	●
IN.PACT	6.0x120	8.4	●
Long lesions	>200mm	>20mg	●