## How to reconcile the discordant results between BEST-CLI and BASIL-2



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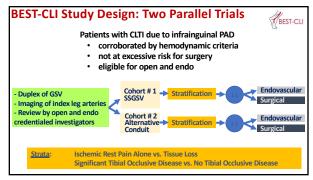
UCSF

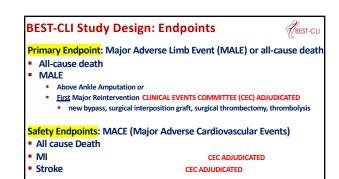


## **Disclosures**

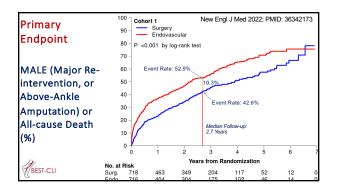
- Abbott Vascular
- BioGenCell (research grant)
- Medistim
- Co-Chair, SVS PAD Guidelines (2015) and Global Vascular Guidelines (2019)
- Co-Chair, Executive Committee, BEST-CLI trial

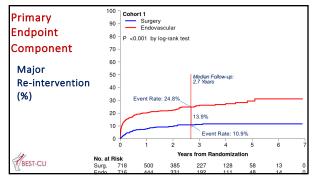


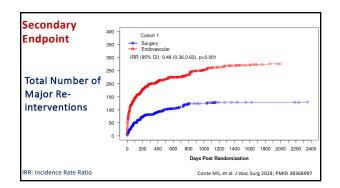


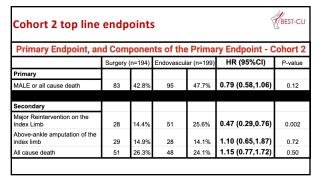


					5	BEST-CLI
Primary Endpoint, and Components of the Primary Endpoint - Cohort 1						
	Surgery (n=709)		Endovascular (n=711)		HR (95%CI)	P-value
Primary						
MALE or all cause death	302	42.6%	408	57.4%	0.68 (0.59,0.79)	<0.001
Secondary						
Major Reintervention on the Index Limb	65	9.2%	167	23.5%	0.35 (0.27,0.47)	<0.001
Above-ankle amputation of the index limb	74	10.4%	106	14.9%	0.73 (0.54,0.98)	0.04
All cause death	234	33.0%	267	37.6%	0.98 (0.82,1.17)	0.81









## **BEST-CLI:** key clinical outcomes

- For CLTI patients who are suitable for either OPEN or ENDO and have an adequate GSV available (cohort 1), open bypass was a significantly more effective revascularization strategy:
  - 32% reduction in MALE or death
  - 65% reduction in first Major Reintervention
  - 27% reduction in Major Amputation; 32% reduction in RAD
  - Less than half the total number of Major Reinterventions over time
  - 18% reduction in recurrent CLTI events
  - 16% reduction in total amputation events (minor or major)
  - <u>Benefit of OPEN was evident across virtually every Subgroup</u> • Infrapopliteal disease, Diabetes, WIFI stage 4
- Eligible if "anticipated life expectancy > 6 months"

  AFS 35% better for Endo arm after median 40 months FU

  Amputation (18% vs 20%) and MALE no different by ITT

  Driven by greater long-term mortality in the OPEN bypass arm

  Endo technical success 87%; similar to BEST-CLI (85% cohort 1)

  Surgical results (amputation, mortality) worse than BEST-CLI

  Periop mortality for OPEN 6% vs 1.6% BEST CLI

  Notably different patient population from BEST-CLI

  Higher mortality

  Limited fem-pop disease

  More than 1/3 had a prior index limb revascularization

  Underpowered for Limb events

More granular comparisons needed esp. anatomic complexity

N=345 patients (<20% size of BEST-CLI)</li>

