

Current Status Of An Endovascular First Approach To Lower Extremity Revascularization For CLTI In The Context Of The BEST-CLI Trial: What Are The Exceptions

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NO DISCLOSURES

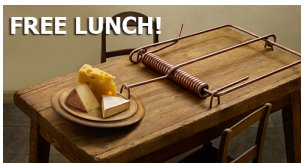


Endovascular First in All Patients?

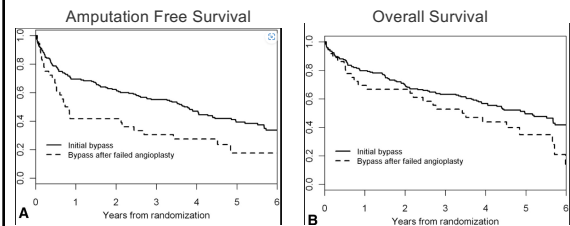
- Endovascular therapy is ALWAYS the best first choice
 - Can always do bypass if it fails...

Endovascular First in All Patients?

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BASIL Initial bypass vs Bypass after failed angioplasty

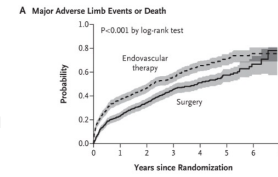


Who is the Exception?

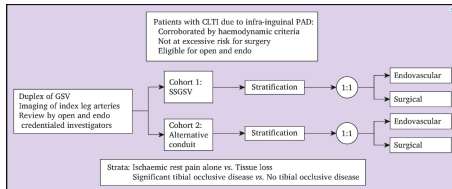
- Who should receive surgical bypass first?

BEST CLI

- For patients with CLTI does surgical revascularization or endovascular revascularization lead to superior limb outcomes?
- Significantly lower MALE and death in surgical group vs endovascular group
 - Specific for the cohort who had adequate GSV for bypass
- Endovascular First approach is not supported by the evidence



BEST CLI cohorts

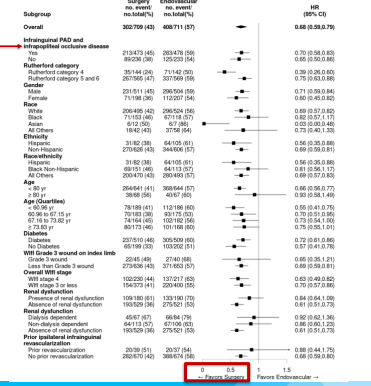


- Cohort 1- 1436 patients with SSGSV
 - 718 bypass
 - 716 endovascular
- Cohort 2- 396 patients Alternative Conduit
 - 197 bypass
 - 199 endovascular

BEST-CLI Cohorts

Cohort 1

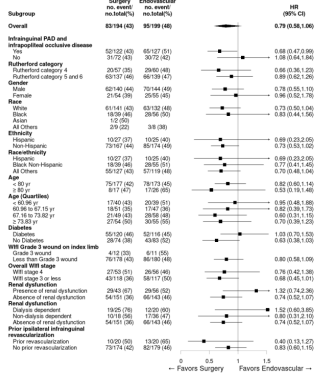
Figure S2: Subgroup Analyses of the Primary Endpoint, cohort 1



BEST-CLI Cohorts

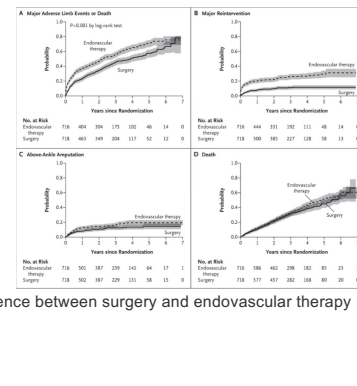
Cohort 2

Figure S4: Subgroup Analyses of the Primary Endpoint, Cohort 2



BEST-CLI Cohorts

- Cohort 1- Surgery superior to endovascular first approach
 - MALE
 - Amputation
 - Reintervention
- Cohort 2- No difference between surgery and endovascular therapy
 - MALE
 - Amputation
 - Reintervention



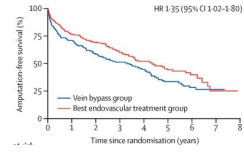
End of Story?

All patients with SSGSV should get bypass first?

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BASIL 2

- Endovascular therapy statistically superior to surgical bypass in amputation free survival
 - Driven by fewer death in the best endovascular treatment group
- Endovascular First approach IS supported by the evidence?



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BEST CLI vs BASIL-2

- BASIL-2 patients
 - Older
 - Homogenous
 - Patient's randomized to surgery had higher prevalence of prior MI
 - (periop mortality after surgery twice as high than in BEST CLI)
 - Higher number of prior limb interventions
 - Tibial disease
 - Endpoint amputation free survival
- BEST CLI
 - >5x sample size
 - Infrapopliteal intervention in just more than 1/2 the patients.
 - Endpoint MALE

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What is the best therapy?

- CLTI patients who have adequate single segment GSV should have bypass considered as primary therapy
- Landscape is constantly changing

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