Patient First is Better –
Endo First Does Not Work For All CLTI Patients:
Target Arteries For Later Open Bypass Can Be Damaged (Bridges Burned)

Philip P. Goodney, MD, MS
Section of Vascular Surgery
Dartmouth-Hitchcock Medical Center / White River Junction VAMC

Disclosures:
– SVS Foundation Award
– The American College of Surgeons
– NIA U01 (Skinner = PI)
– FDA U01 (Sedrakyan = PI)
– AHA SFRN (Bonaca = PI)

Goals
• Tale of the tape: head to head comparison of myself and Dr. Metzger
• Describe real-world comparisons of open and endo-first strategies.
• Insights for future decision-making in patients with peripheral artery disease

Christopher Metzger, MD
Wellmont Cardiovascular Associates
Heart Institute, Kingsport TN

Tale of the Tape
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<tr>
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<th>Metzger</th>
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### Surgeonratings.org: Goodney

![Surgeonratings.org: Goodney](image1)

### Surgeonratings.org: Metzger

![Surgeonratings.org: Metzger](image2)

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### Metzger PubMed

![Metzger PubMed](image3)
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Clinical Trial Enrollment (BEST) | 45 patients | Crickets | Goodney | ☀ |

BEST-CLI Enrollment Leaderboard

FINAL ENROLLMENT: 87.8% exceeded out of 2,100
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Patients with prior PVI do poorly with bypass

Patients with prior bypass do poorly with redo bypass

Everyone who needs a second intervention has worse results when they get a bypass

Get it right the first time!!!
Figure 1. Rates of Peripheral Vascular Procedures in Medicare Patients

Suckow et al, Amp Symposium 2019

* new CPT codes introduced for endovascular procedures

Figure 1. Rates of Peripheral Vascular Procedures in Medicare Patients

Suckow et al, Amp Symposium 2019

We continue to do more...

But it is uncertain if we're doing better...

We continue to do more...

But it is uncertain if we're doing better...

Suckow et al, Amp Symposium 2019

Bypass versus Angioplasty in Severe Ischaemia of the Leg (BASIL) trial: Analysis of amputation free and overall survival by treatment received

Bradbury et al, JVS 2010

Results of BEX after failed BAP. Fig.4 compares AFS and OS in patients who underwent BEX (whether initially technically and/or clinically successful or not) after failed BAP with all patients who underwent BEX (again whether initially successful or not). The 37 patients in group 4 who underwent BEX after first attempted failed angioplasty had a poorer AFS (P = 0.06, log-rank test) and a somewhat poorer OS (P = 0.06, log-rank test) than the 184 patients in groups 1 and 3 who underwent BEX as their first treatment.

Bradbury et al, JVS 2010
Even outside the trial, secondary procedures fared much worse.

Bradbury et al, JVS 2010

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Do The Right Thing ONCE

Hit Me With Your Best Shot

Do The Right Thing ONCE
Goals

• Tale of the tape: head to head comparison of myself and Dr. Metzger
  – Not sure who won… close race…

• Describe real-world comparisons of open and endo-first strategies.
  – Doing it again won’t make it better

• Insights for future decision-making in patients with peripheral artery disease
  – Do it right the first time – BEST-CLI will tell us

Thank You