


UK University Heart and Vascular Center



Technical Tips For DVA: The Most Important Part Starts After The Procedure

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Universitätsklinikum Mannheim | gggendler

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Financial Disclosures

Speakers Honorarium, Advisory Board:

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Who is a DVA candidate?

- No-option CLTI
- Rutherford 5/6
- Patient in an established wound care
- Multi-disciplinary team agreement of no option

No endo or surgical options

Baseline angiogram



Baseline ulceration

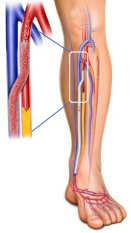


Strohbehn et al. N Engl J Med. 2023

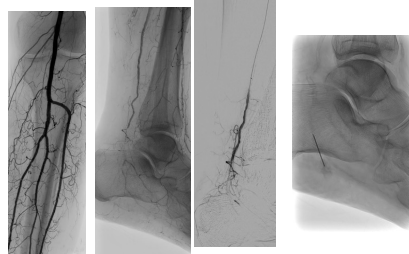
Case example

70 year old male
CAD, PCI/Stent 2000
AFib
CVRF: Diabetes, art. HTN

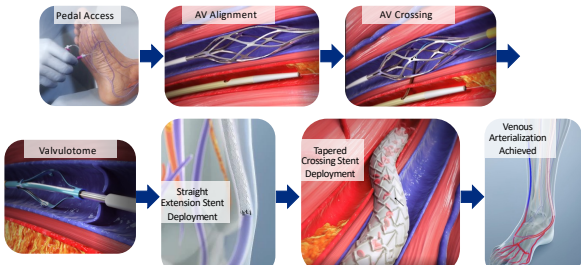
Rutherford 5 left foot
Gangrene D III and D V

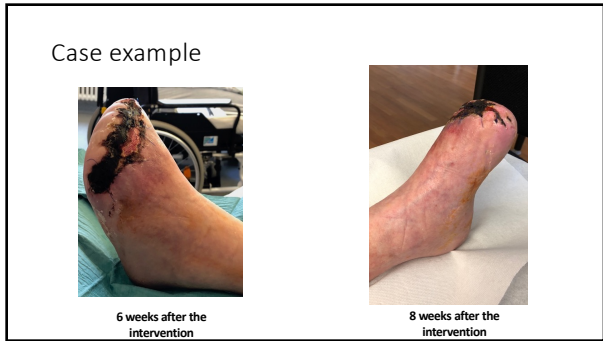
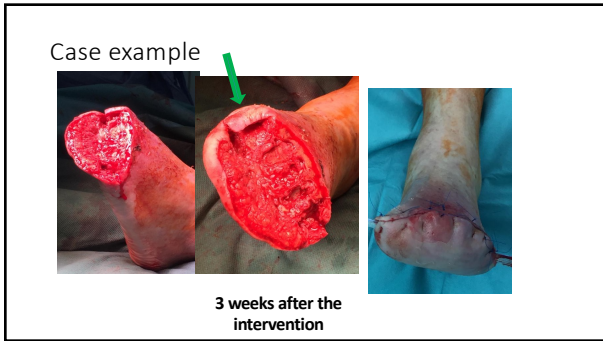
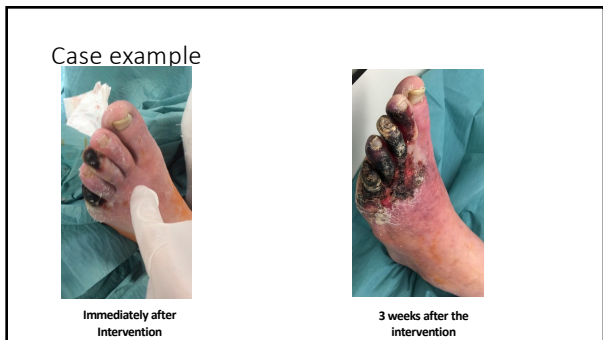
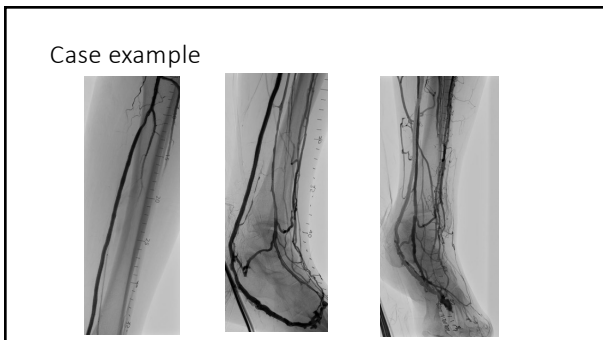
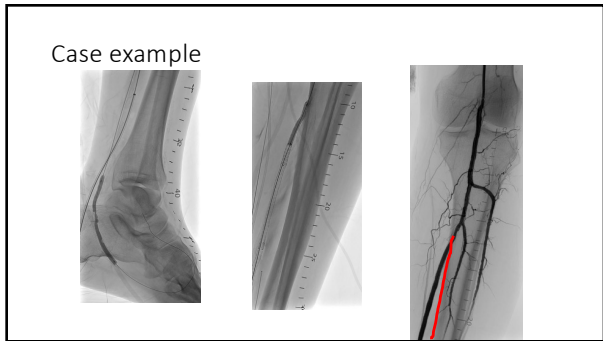
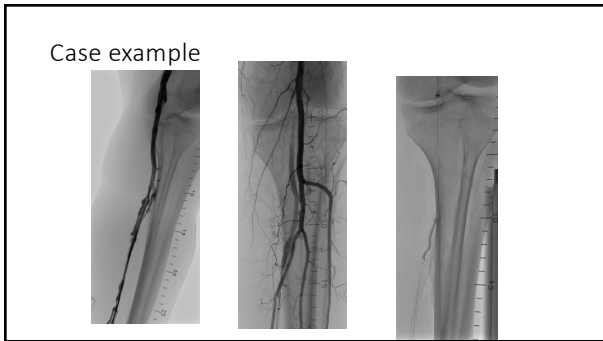


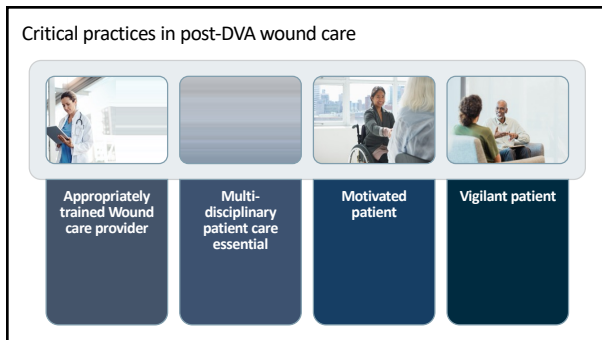
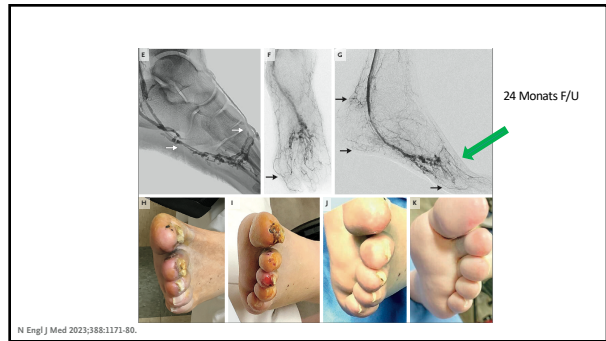
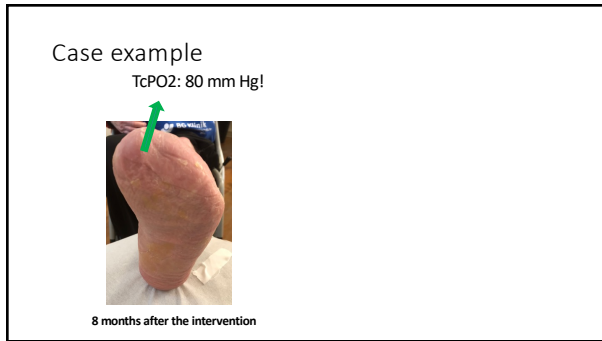
Case example



LimFlow TADV Procedure (Formerly pDVA)

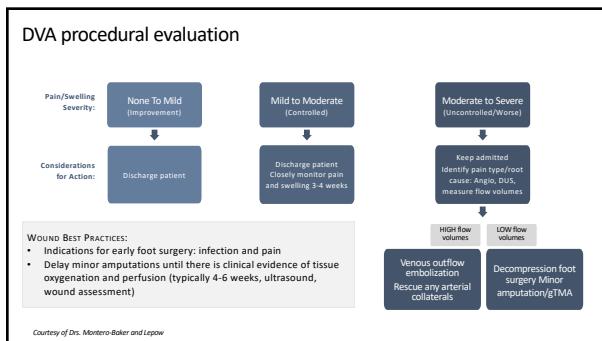






Strong communication amongst care teams a must

- AVOID** aggressive debridement/amputations
 - Early debridement (less than 4–6 weeks post-TADV) must be performed cautiously; debride only necrotic/infected tissue
- AVOID** tourniquet use
 - Vascular occlusion
 - Hides ligated vessels
- AVOID** proximal foot amputations; ideally should be mid-metatarsal
 - may damage the lateral plantar vein, 1st metatarsal perforator and dorsal outflow tract
- AVOID** primary wound closure in early TADV patients
 - Utilize low-pressure (60–80mmHg) NPWT when appropriate
- Prepare for bleeding and properly plan for post op dressings
 - i.e.: use of coagulant products



Recommended physician follow-up schedule

	Post Procedure	Discharge/48hrs	1 Week	2 Week	3 Week	1 Month	6 Weeks*	2 Month	3 Month	6 Month	9 Month	1 year	2 year
Angiogram	X												
M/D Hand-Held/Blind Doppler	X	X	X	X	X	X	X	X	X				
Duplex		X	X			X	X	X	X	X	X	X	X
Pain	X	X	X	X	X	X	X	X	X	X	X	X	X
Swelling	X	X	X	X	X	X	X	X	X	X	X	X	X
Wound Status	X	X	X	X	X	X	X	X	X	X	X	X	X

*DUS recommended if patient has new or increased pain and/or wound deterioration

If no increased pain and/or wound deterioration noted after year 1, yearly Duplex surveillance is recommended.

Recommendations based on protocol and learnings from PROMISE II study.