

## **PROMOTE-ALI**

Shows That Open Surgery Is Still Number One In The Treatment Of ALI

## Katariina Noronen, MD, PhD

on behalf of the European Vascular Research Collaborative (EVRC) Veith Symposium 2024



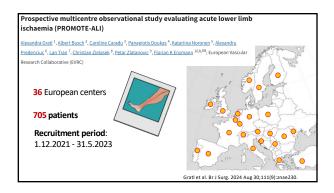
## Acute Limb Ischemia

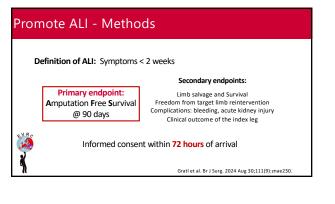
Editor's Choice - European Society for Vascular Surgery (ESVS) 2020 Clinical Practice Guidelines on the Management of Acute Limb Ischaemia

Martin Björds <sup>1</sup>, Jonothan J. Lamohaw <sup>1</sup>, Sefan Acota <sup>1</sup>, Frederico Battor Gorçalve <sup>1</sup>, Frederic Occhement <sup>1</sup>, E.S. Debus <sup>1</sup>, Robert Hinchilfe <sup>1</sup>, Winner Moglald <sup>1</sup>, Mark J.W. Koelemay <sup>1</sup>, Gabor Menyhel <sup>1</sup>, Atexel V. Svetlikov <sup>1</sup>, Yamune Tihomba <sup>1</sup>, Jos C. Van Den Berg <sup>1</sup>

Recommendations on treatment of ALI refer to data from the last decade/century

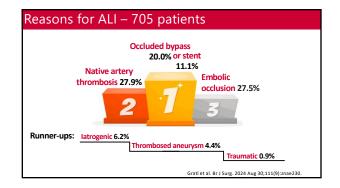
"Despite the 28 RCTs from the literature, there is a great need for future research to enable improvement of the management of patients with ALI."





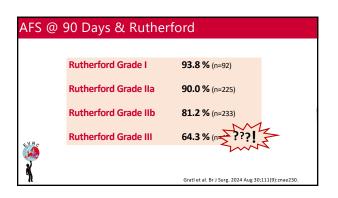
OVERALL AFS @ 9 84.4%	0 Days		
Secondary Endpoint	s:	Clinical outcome o	of the index leg
Limb salvage	90.6 %	Asymptomatic Claudication	61.4 % 32.5 %
Survival Freedom from	92.2 %	Rest pain	1.3 %
target limb reinterventio	on <b>85.7%</b>	Tissue loss	4.6 %
Acute kidney injury	7.4 %		

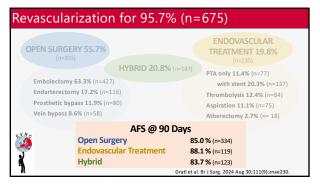
Risk factor	Univariable ar	Multivariable analysis		
	HR (95% c.i.)	Р	HR (95% c.i.)	Р
Rutherford grade III ALI	3.07 (1.97,4.80)	< 0.001	2.19 (1.36,3.51)	0.001
No revascularization	3.56 (1.91,6.65)	< 0.001	2.73 (1.41,5.29)	0.003
Occlusion aorta	3.29 (1.81,6.00)	< 0.001	1.89 (0.96,3.73)	0.067
Occlusion crural	1.88 (1.27,2.79)	0.002	1.36 (0.85,2.17)	0.197
Three or more levels of occlusion	2.93 (1.97,4.35)	< 0.001	1.94 (1.18,3.16)	0.008
Acute kidney injury†	6.68 (4.40,10.13)	< 0.001	5.21 (3.40,8.00)	< 0.001
Additional revascularization	1.58 (1.00,2.50)	0.051	-	-
Blood transfusion	2.41 (1.29,4.49)	0.006	1.29 (0.67,2.47)	0.450



AFS (	@ 90 Days & Aetiolo	ду	
	Occluded bypass	<b>80.9%</b> (n=114)	
	Occluded stent	90.0% (n=70)	
	Native artery thrombosis	87.8% (n=173)	
	Embolic event	83.5% (n=162)	
	latrogenic	81.8% (n=36)	
«NRO	Thrombosed aneurysm	87.1% (n=27)	
Č.	Traumatic	<b>50%</b> (n=3)	
5			
5			

innear	Status on arriv	CT -	
	Rutherford c	lassifica	ation
	Grade I 1	Grade I 13.9% (n=98)	
	Grade IIa	<b>35.5%</b> (i	n=250)
	Grade IIb 4	<b>10.7%</b> (i	n=287)
	Grade III 9	<b>9.9%</b> (n=	70)
VRC	Duration of sympt	toms	24 hours (2-336h)
<b>%</b>	Heparin administr	ration	<b>65.1 %</b> (n=459)
7)			Gratl et al. Br J Surg. 2024 Aug 30;111(9):znae230.





## Conclusions

Aetiology of acute limb ischemia is changing

In revascularization strategies open surgery and embolectomy and are still No 1

Rutherford Classification needs further evaluation

