

Assesement of endovascular treatment for critical lower limb ischemia in 321 consecutive patients

Silva Breznik, Jernej Lučev, Aleš Slanič, Beno Polanec, Matija Žerdin

University Clinical Center Maribor, Maribor, Slovenija

Leipzig 29.1.2018

Disclosure

Speaker name: dr. Silva Breznik, dr.med., radiology spec.

.....

I have the following potential conflicts of interest to report:

- Consulting
- Employment in industry
- Stockholder of a healthcare company
- Owner of a healthcare company
- Other(s)

- I do not have any potential conflict of interest

CRITICAL LIMB ISCHEMIA

occurs when arterial blood flow is insufficient to meet the metabolic demands of resting muscle or tissue

without successful arterial revascularization CLI manifests in amputation

ACC/AHA guidelines showed 1 year outcomes in CLI patients:

alive with both limbs 50%

amputation 25%

cardiovascular death 25%

BASIC DEMOGRAPHIC DATA

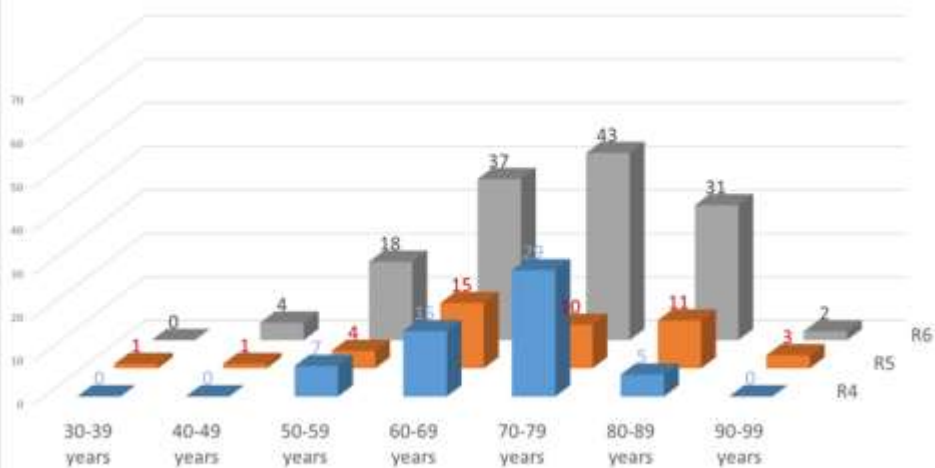
PTA 2.1.2013 – 21.3.2016

	TOTAL	male	female	above the knee	below the knee	Above and below	Small amput	BYPASS
PATIENTS	321	166	155				During the same hospitalization	
NUMER OF TREATED LEGS	376	191	185	172	58	145	70	23
NUMBER OF ENDOV. PROCED	445	236	209	215	77	153		

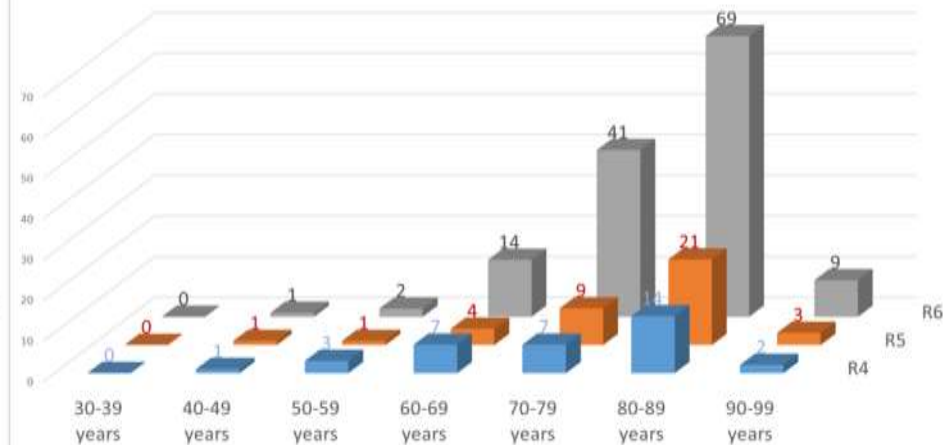
	diabetic					diabetic					
	M	0	1			F	0	1			
smoker	0	68	68	136		smoker	0	100	76	176	
	1	65	35	100	0,42		1	15	18	33	0,16
	236	133	103			209	115	94			
			0,44		0,15			0,45		0,09	

BASIC DEMOGRAPHIC DATA

MALE; age and Rutherford stage at the time of the procedure; N = 236



FEMALE; age and Rutherford stage on the date of the procedure; N = 209



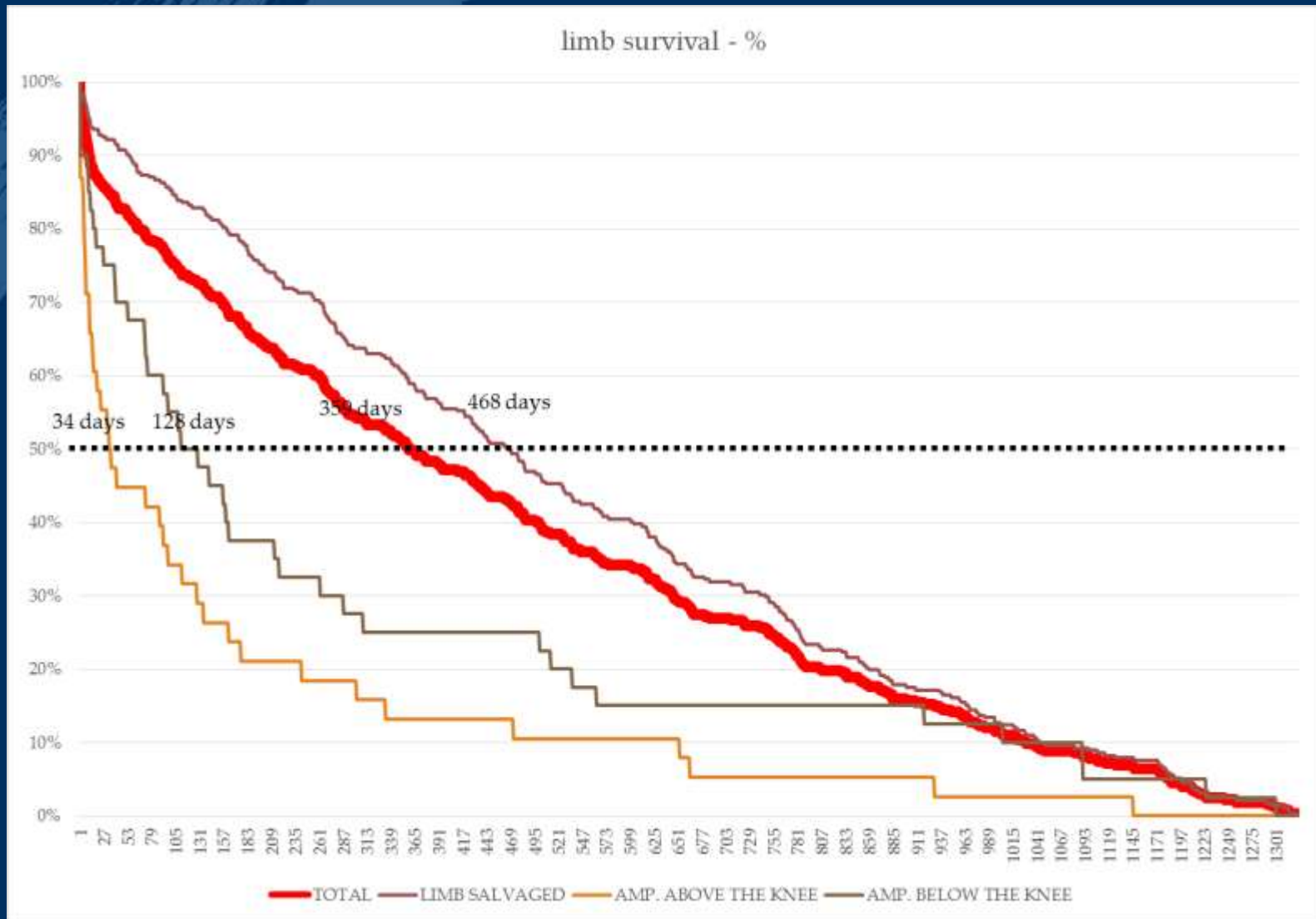
RESULTS OF ENDOVASCULAR PROCEDURES

		NUMBER OF ENDOVASCULAR PROCESURES PER LIMB						
		1	2	3	4			
RESULT	LIMB SLVAGED	65%	247	10%	37	1,5%	6	2
	BELOW THE KNEE AMPUTAT.		31		8		1	0 → 51%
	ABOVE THE KNEE AMPUTAT.		37		0		1	0 → 49%
	FAILED REVASC., GANGRENE		4		1		0	0
	MISSING		0		1		0	0
	TOTAL LIMBS		319		47		8	2
	NUMBER OF PROCEDURES		319		94		24	8

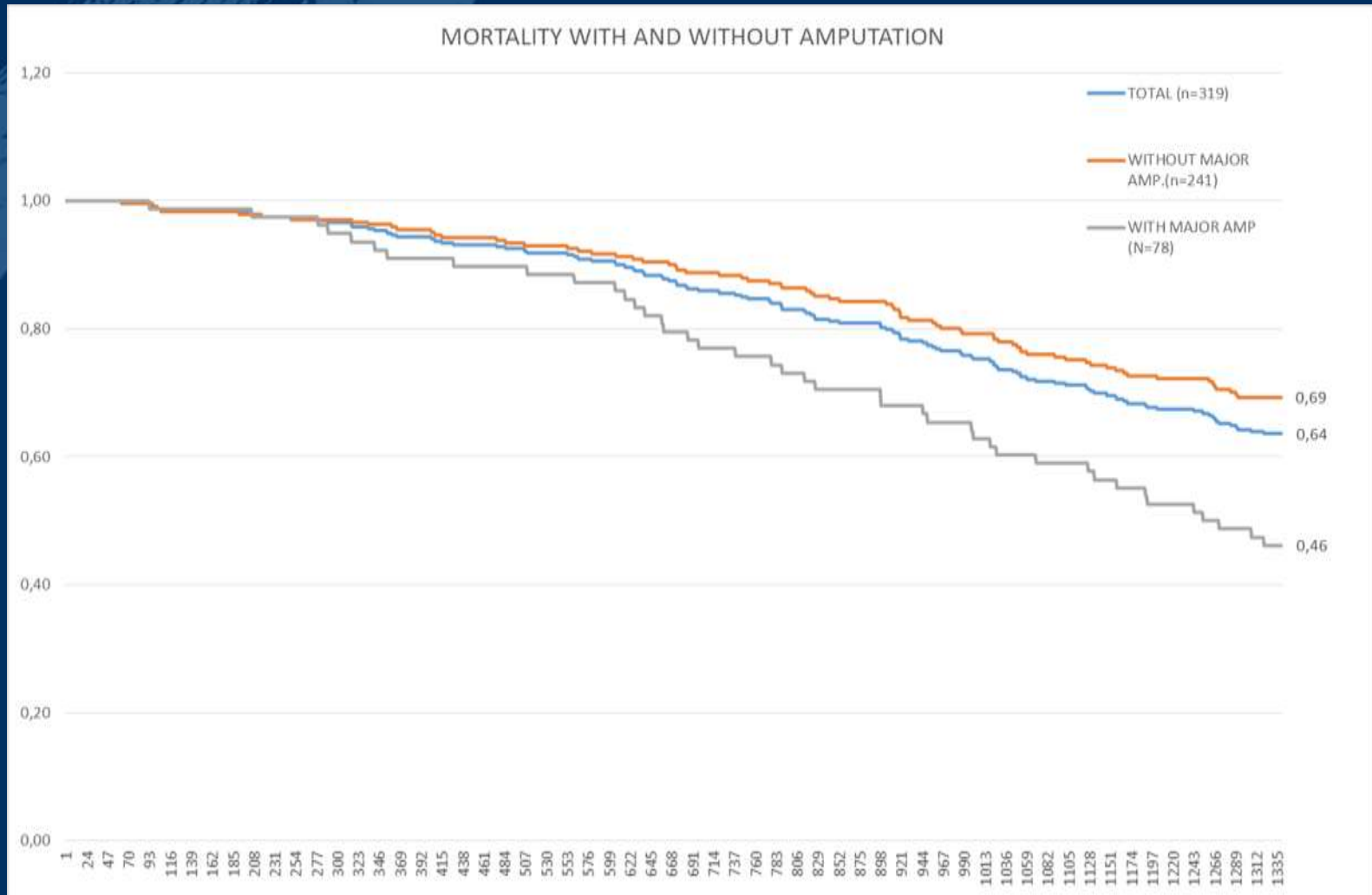
RESULTS OF ENDOVASCULAR PROCEDURES

			BELOW THE KNEE	ABOVE THE KNEE	FAILED REVASC., GANGRENE	MISSING			
	LIMB SLVAGED	AMPUTAT.	AMPUTAT	AMPUTAT				SMALL AMPUTATION	OP TREATMENT
M									
R4	33	3	5	0	0			3	4
R5	28	5	3	0	0			3	5
R6	79	23	11	0	1			36	5
							50=65%		
F									
R4	27	1	0	1	0			3	3
R5	30	2	3	0	0			1	2
R6	95	6	16	4				24	2
	0,82	0,05	0,10	0,03			28 = 35%		

GRAPH OF LIMB SURVIVAL



PATIENT'S MORTALITY WITH/WITHOUT AMPUTATION



CONCLUSION

endovascular treatment is becoming therapy of choice for CLI patients as it represents minimally invasive , effective treatment option in the aging population*

80% of treated limbs in our predominantly old population were salvaged

revascularization of ischemic foot is becoming to be recognized as only one of the important factors in limb salvage

treatment of CLI should be multidisciplinary involving different specialists

*. Sanguily J, Martinsen BJ, Igyarto Z, Pham MT. Reducing amputation rates in critical limb ischemia patients via a limb salvage program: retrospective analysis. *Vascular Disease Management* 2016;13(5):e112-e119.



THANK YOU

Assesement of endovascular treatment for critical lower limb ischemia in 321 consecutive patients

Silva Breznik, Jernej Lučev, Aleš Slanič, Beno Polanec, Matija Žerdin

University Clinical Center Maribor, Maribor, Slovenija

Leipzig 29.1.2018