

VEITH SYMPOSIUM November 19th, 2024

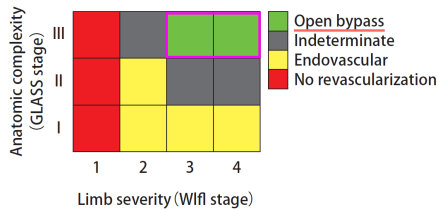
### When Is Endovascular Treatment For CLTI Justified And Better For Patients Classified As "Bypass Preferred" In The Global Vascular Guidelines: What Are The Guidelines Missing

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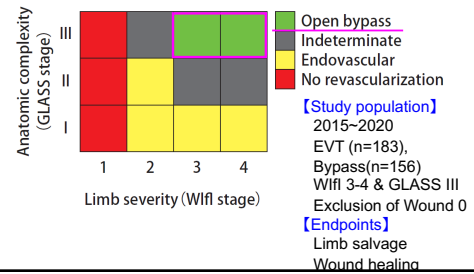
### Disclosures

I do not have any potential conflict of interest

### Bypass vs EVT in the Bypass preferred group



### Bypass vs EVT in the Bypass preferred group



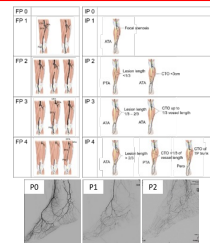
### Patient characteristics (1)

Factor	EVT (n=183)	Bypass (n=156)	P
Age (years)	77.9±10.3	73.1±10.6	<0.01
Male	101 (55.2)	97 (62.2)	0.22
Female	82 (44.8)	59 (37.8)	
Smoking			0.02
Current smoker	24 (13.1)	39 (25.0)	
Past smoker	86 (47.0)	61 (39.1)	
Never smoker	73 (39.9)	56 (35.9)	
Serum albumin level (g/dL)	3.4±0.5	3.4±0.5	0.31
Body mass index	20.7±3.8	22.2±4.0	<0.01
Hypertension	138 (75.4)	129 (82.7)	0.11
Diabetes mellitus	123 (67.2)	113 (72.4)	0.34
Dyslipidemia	73 (39.9)	76 (48.7)	0.12
Coronary artery disease	64 (35.0)	75 (48.7)	0.01
Chronic kidney disease	67 (36.6)	43 (27.6)	0.08
Hemodialysis	79 (43.2)	67 (43.0)	1.00
Congestive heart failure	39 (21.3)	27 (17.3)	0.41

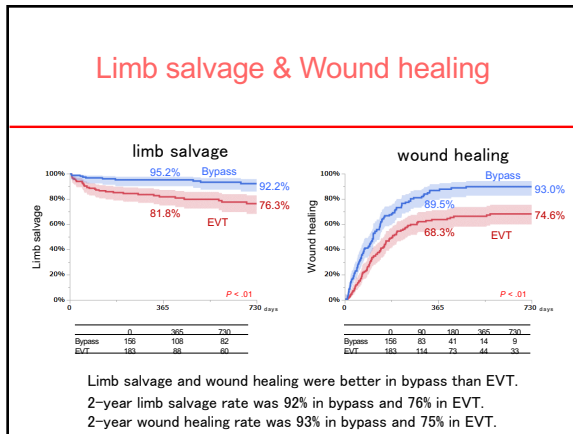
In EVT cases, the age is older and lower BMI. Coronary artery disease was more common in bypass group.  
The percentage of DM and dialysis-dependent were about 70% and 43%, respectively.

### Patient characteristics (2)

Factor	EVT (n=183)	Bypass (n=156)	P
Wifl Stage 3	85 (46.5)	61 (39.1)	0.19
Stage 4	98 (53.6)	95 (60.9)	
FP Grade 0	32 (17.5)	40 (25.6)	<0.01
Grade 1	15 (8.2)	11 (7.1)	
Grade 2	20 (10.9)	9 (5.8)	
Grade 3	48 (26.2)	14 (9.0)	
Grade 4	68 (37.2)	42 (26.9)	
IP Grade 0	13 (7.1)	22 (14.1)	0.14
Grade 1	5 (2.7)	7 (4.5)	
Grade 2	7 (3.8)	9 (5.8)	
Grade 3	23 (12.6)	20 (12.8)	
Grade 4	135 (73.8)	98 (62.8)	
IM P0	26 (14.2)	47 (30.1)	<0.01
P1	135 (73.8)	98 (62.8)	
P2	22 (12.0)	11 (7.1)	
Target lesion			0.07
FP	38 (20.8)	32 (20.5)	
FP + IP	111 (60.7)	79 (50.6)	
IP	34 (18.6)	45 (28.9)	



No difference in Wifl stage between the groups. The percentage of FP grade 4 was higher in bypass group. Regarding IM grade, the percentage of IM P0 was higher in bypass surgery group. The percentage of IM P1 was higher in EVT group.



### Patient characteristics (after propensity score matching)

Factors	After propensity score matching EVT (n=50)	Bypass (n=98)	P
Age (years)	70.0±10.4	70.0±9.4	0.97
Male	61 (62.2)	37 (37.8)	1.00
Female	60 (61.2)	38 (38.8)	
Smoking			0.41
Current smoker	16 (16.3)	22 (22.5)	
Past smoker	44 (44.9)	36 (36.7)	
Never smoker	38 (38.8)	40 (40.8)	
Serum albumin level (g/dL)	3.5±0.5	3.4±0.5	0.86
Body mass index	21.6±4.0	21.9±3.5	0.51
Hypertension	80 (81.6)	78 (79.6)	0.86
Diabetes mellitus	73 (74.5)	71 (72.5)	0.87
Dyslipidemia	44 (44.9)	44 (44.9)	1.00
Chronic kidney disease	42 (42.9)	42 (42.9)	1.00
Cardiovascular disease	29 (29.6)	28 (28.6)	1.00
Hemodialysis	44 (44.9)	45 (45.9)	1.00
Coronary heart failure	18 (18.4)	18 (18.4)	1.00

Factors	After propensity score matching EVT (n=50)	Bypass (n=98)	P
WII Stage 3	41 (41.8)	42 (42.9)	1.00
Stage 4	57 (58.2)	56 (57.1)	
IP Grade 0	20 (20.4)	25 (25.5)	0.83
Grade 1	8 (8.2)	8 (8.2)	
Grade 2	6 (6.1)	8 (8.2)	
Grade 3	17 (17.4)	13 (13.3)	
Grade 4	47 (48.0)	44 (44.9)	
IP Grade 0	9 (9.2)	13 (13.3)	0.74
Grade 1	4 (4.1)	3 (3.1)	
Grade 2	6 (6.1)	5 (5.1)	
Grade 3	16 (16.3)	11 (11.2)	
Grade 4	63 (64.3)	66 (67.4)	
IM P1	21 (21.4)	18 (18.4)	0.82
P1	67 (68.4)	71 (72.5)	
P2	10 (10.2)	9 (9.2)	
P3	17 (17.4)	19 (19.4)	
P4	59 (60.2)	53 (54.1)	
P5	22 (22.8)	20 (20.5)	

Morisaki K et al. *J Vasc Surg.* 2023;78:475

" No difference was observed between the groups "

