

Diabetic Foot Versus Non-Diabetic Foot: Are There Different Outcomes Following Percutaneous Transluminal Angioplasty in Patients with Critical Limb Ischemia?

¹Korean University Guro Hospital

Seung_Woon Rha¹, Lin Wang¹, Ji_Young Park¹, Kanhaiya L. Poddar¹, Sureshkumar Ramasamy¹, Byoung_Geol Choi¹, Ji_Bak Kim¹, Seung_Yong Shin¹, Cheol_Ung Choi¹, Hong_Euy Lim¹, Eung_Ju Kim¹, Chang_Gyu Park¹, Hong_Seog Seo¹, Dong_Joo Oh¹

Background: There are very limited data regarding the impacts of diabetes mellitus (DM) on the clinical outcomes, and clinical outcomes after percutaneous transluminal angioplasty (PTA). **Method:** This study consisted of 128 consecutive Chronic limb ischemia pts underwent PTA. Among these pts, 76 (60.3%) CLI pts presented with DM foot (DM foot group, 167 lesions) and 50 pts without DM foot (Non-DM foot group, 93 lesions). Periprocedural complications and clinical outcomes up to 6 months were compared. **Results:** The baseline characteristics were similar between the two groups, except that more pts in DM foot group suffered from worse ischemic symptoms ($p < 0.01$) and accompanied with coronary artery disease (CAD, $p = 0.039$). Overall procedural success rate was 99.3%, and there was no difference in angiographic success rate between the two groups with similar periprocedural complications. At 6 months, the cumulative clinical outcomes also similar (Table.). **Conclusion:** EVT offered good procedural success rate without significant periprocedural complications and mid-term clinical outcomes with excellent limb salvage in either diabetic or non-diabetic pts with CLI.

Table. Peri-procedural outcomes and clinical outcomes up to 6 months

	DM foot group (N=76 pts, N=167 lesions)	Non DM foot group (N=50 pts, N=93 lesions)	P value
Procedural Outcomes			
Dissection	63 (36.8)	30 (32.3)	0.501
Perforation	11 (6.4)	4 (4.5)	0.590
Angiographic success	166 (99.4)	92 (98.9)	1.000
Clinical outcomes up to 6 months			
Mortality	4 (11.1)	1 (3.7)	0.381
Cardiac death	1 (3.7)	0 (0)	1.000
Total occlusion	6 (18.8)	4 (14.3)	0.737
Binary restenosis	14 (41.2)	11 (39.3)	1.000
Repeat PTA	11 (32.4)	9 (32.1)	1.000
TLR-PTA	11 (32.4)	9 (32.1)	1.000
TVR-PTA	11 (32.4)	9 (32.1)	1.000