

中文題目：針對下肢股動脈阻塞合併使用藥物塗層氣球及雷射的治療經驗

英文題目：Combined Laser and Drug Eluting Balloon for percutaneous transluminal angioplasty of superficial femoral artery Disease

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Background: For patient with superficial femoral artery (SFA) stenosis or occlusion, restenosis remains to be a problem in percutaneous transluminal angioplasty (PTA). Here we report our unique experience to treat these patients with combination of laser and drug-eluting balloon (DEB) to achieve good mid-term patency.

Method: During the period from January, 2013 to May, 2014, eight patients with SFA stenosis/occlusion were enrolled. We recorded clinical history, Rutherford classification, ABI, vascular echo before index PTA procedure. Standard PTA procedure was performed and laser angioplasty, followed by DEB was carried. Post-PTA ABI and vascular echo was followed for at least 6 months. Mid-term patency was 100% in six months. No amputation was found in all patients.

Conclusion: For patients with SFA stenosis/occlusion, combination of laser and DEB can achieve good mid-term patency. Long term patency needs to be further evaluated.