THE USE OF AN INNOVATIVE BALLOON CATHETER (CHOCOLATE) IN FEMORO-POPLITEAL OCCLUSIVE DISEASE

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Objectives:
to report our experience using the Chocolate® balloon intended to minimise the bailout-stenting rate in femoro-popliteal occlusive disease treatment.

Material and Methods:
patients treated for femoro-popliteal occlusive disease Rutherford Class >3 by PTA using Chocolate followed by drug coating balloon (Ranger™ - Boston Scientific).
Technical success and bailout-stenting rates were assessed as well as primary patency (PP), and secondary patency (SP) rates at follow-up.

Results:
from January 2014 to March 2016, 52 patients.
Target lesions were located in SFA 62,9%, PA 22,2%, and in SFA+PA 14,8%.
Average lesion length was 107 mm (range 38-320), CTO rate was 63,4% (33/52)
Mild-severe calcified lesion was reported in 44,2% (23/52).
Technical success was 100% with bailout-stenting in 4 patients (7,6%)
3 flow limiting dissection, 1 severe residual stenosis.
At a mean follow-up of 11.2 months (5-30) PP 94.3%, SP 98,1 %.

Conclusion:
in this preliminary experience, the use of Chocolate balloon seems to reduce the bailout-stenting rate after PTA.