

**A case of PSS and Stent fracture observed by OCT, after treating CTO lesion**

PSS (Peri stent contrast staining) was reported in relation of restenosis or stent thrombosis. We experienced a case of PSS and Stent fracture observed by OCT, after treating CTO lesion. The patient was a 56-year-old man. The previous year, he was treated by placement of Nobori stent in the left anterior descending branch of the coronary artery (CTO lesion). Current year coronary arteriography was performed and revealed a 75% stenosis of the left coronary artery at distal lesion where Nobori stent had been placed. In the stent, significant stenosis could not be found. At one time CAG revealed marked PSS (Peri stent contrast staining) and stent fracture of the lesion where Nobori stent had been placed. Figures observed by OCT presented obvious positive remodeling of the vessel which could not be found the previous observation. And we could observe parts and aspects of stent fracture more obviously by using 3-D OCT image. In this communication, we would like to discuss about images of PSS and stent fracture revealed by OCT, relation of the CTO treatment and stent character.