

10087

Impact of statin treatment on coronary plaque instability.

¹Ichinomiya Municipal Hospital

Tsuyoshi Sugiura¹, Kiyokazu Shimizu¹, Tetsuo Shibata¹

OBJECTIVE

To assess the impact of statin treatment on coronary plaque instability.

METHODS

Intravascular ultrasound parameters of target lesions were analyzed in 35 consecutive patients who underwent percutaneous coronary intervention (PCI). Patients were divided into either a statin group (n =18) or a nonstatin group (n =17) based on statin use before PCI. IVUS identified 4 types of plaque components: fibrotic component, Lipidic component, calcified component, and necrotic component.

RESULTS

The IVUS parameters analysis showed less percentage of necrotic area of the culprit lesion in the statin group. (p=0.03)

CONCLUSIONS

In conclusion, statin use before the PCI might have effects on coronary plaque morphology of the culprit lesion with less necrotic component.