

Comparison of Angioscopic Findings between Biolimus-Eluting Stents and Sirolimus-Eluting Stents

**Purpose:** We compared angioscopic findings between biolimus-eluting stents (BES) and sirolimus-eluting stents (SES).

**Methods:** This study consisted of 16 patients with BES and 41 patients with SES. Angioscopic examination was performed 7.9 months after stent implantation.

**Results:** There was no significant difference in minimum and dominant grade of neointimal coverage between BES and SES. There was a tendency toward lower maximum grade in BES than SES ( $1.5 \pm 0.9$  vs  $1.9 \pm 0.8$ ,  $p=0.08$ ). Heterogeneity index was significantly lower in BES than SES ( $1.0 \pm 1.0$  vs  $1.6 \pm 0.7$ ,  $p=0.01$ ). Plaque color grade were significantly lower in BES than SES ( $1.3 \pm 0.7$  vs  $2.0 \pm 0.8$ ,  $p=0.01$ ). There was no significant difference in the incidence of thrombus formation between BES and SES (19% vs 29%,  $p=0.52$ ).

**Conclusions:** These findings suggested that BES was associated with more homogenous coverage and less yellowish plaque color.

