



Figure S2. **A)** Scatterplot showing PR before the operation, after percutaneous transluminal angioplasty (PTA) and stenting in M1 stenosis. PR increased after PTA and stenting (0.79 ± 0.10 after PTA, 0.82 ± 0.06 after stenting versus 0.49 ± 0.11 before operation; $P < 0.01$). **B)** Scatterplot showing the relationship between PR and diameter

stenosis in M1 stenosis ($r=-0.49$, $P=0.11$). **C)** Scatterplot showing the relationship between PR and Tmax in M1 stenosis. PR was significantly negatively correlated with Tmax ($r=-0.72$, $P<0.01$, Figure 3C). If Tmax > 6 seconds was selected as the intentional indication in our study, we got the cut-off value of PR 0.64 (95% CI: 0.56-0.73). **D)** Tmax pre-intervention and post-intervention. Tmax decreased in most patients (9/10) at 6-month follow-up.