

## Supplementary

**Table S1** Consistency test of classification by radiologists

MRS characteristic	Kappa	P value
Stenosis classification	0.866	0.000**
Dilatation classification	0.897	0.000**

Stenosis and dilatation classification was analyzed using the weighted Cohen's kappa in order to explore inter-observer variability. Weighted Cohen's kappa scores in these comparisons were 0.785 and 0.895 respectively. \*\*, P<0.01.

**Table S2** Consistency test of measurement data by radiologists

MRS characteristic	ICC	95% CI
Diameter of branch duct	0.834	0.627–0.931
Ductal width	0.983	0.969–0.991

Inter-observer variability of diameter of branch duct and ductal width were evaluated using Intraclass correlation coefficient.